

Dissemination and Exploitation Plan 2019-2020

D7.11

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Modification Control

Version	Date	Description and comments	Authors
1.0	25/06/2019	First draft for the dissemination and communication sections	López-Gunn, E.; Santos, P.
2.0	30/07/2019	Full draft of the deliverable, including an initial version of the final exploitation plan	López-Gunn, E.; Santos, P.
3.0	05/08/2019	Internally reviewed. Ready for final comments of consortium partners	López-Gunn, E.; Santos, P.; McDonald, H.
4.0	27/08/2019	Reviewed by consortium partners	López-Gunn, E.; Santos, P.
5.0	01/09/2020	Modifications implemented in version 5.0 This version 5.0 contains the complete list of scientific project outputs, included in Annex I under point 20.	López-Gunn, E.; Santos, P.

List of contributors

- Hugh McDonald (ECOLOGIC) has acted as internal reviewer.
- Laia Palau, Pilar Pascual (L'Orangerie): contributions on the reporting and planning of dissemination and communication actions and the description of the pitch decks training program.
- Evita Mailli (ICRE8): reporting on the activities related to improvement of the Climate Innovation Window.
- Gerardo Anzaldúa & Hugh McDonald (ECO), Laia Palau & Pilar Pascual (LOR), Elena López Gunn (ICA), Marco Hartman (HKV), Nensi Lalaj (NTPA), Linde Boekhoudt & Luuk Schagen (TFC), Evita Mailli (ICRE8) and Roelof Moll (TUD), participated in an internal exploitation workshop held in Delft (The Netherlands) in July 2019. The information provided in the exploitation plan regarding a potential joint venture for the exploitation of BRIGAIID results (section 3.3) directly builds on the results coming from this activity complemented with a number of follow-up meetings. TFC drafted the baseline document summarising the workshop results.
- BRIGAIID partners have regularly informed on their communication and dissemination activities.

Table of contents

Executive summary.....	4
1. Review of planned actions in the Dissemination and Exploitation Plan 2018-2019 (D7.7)	5
1.1. Description of activities performed.....	6
1.2. Indicators for monitoring the performance of dissemination and communication activities 25	
2. Planned actions for the last D&C reporting period (M39-M48).....	27
2.1.1. Planned activities.....	27
2.1.2. Linking dissemination and exploitation	29
3. Draft Exploitation Plan	31
3.1. Overview.....	31
3.1.1. Summary of BRIGAIID's exploitation strategy	31
3.1.2. Aim and structure of the draft exploitation plan	32
3.2. Exploitable results.....	32
3.2.1. Exploiting individual results of BRIGAIID.....	32
3.2.2. Exploitable results - Exploiting BRIGAIID as an integrated offer	36
3.3. BRIGAIID Inc.: a potential 'one-stop shop' for supporting the development of climate innovation	37
3.3.1. Challenge	38
3.3.2. Core Value Proposition.....	38
3.3.3. Organisational Structure and roadmap.....	39
3.3.4. Beneficiaries and (potential) Target Customers	40
3.3.5. Potential sources of revenue	41
3.3.6. Possible partnerships	42
3.3.7. Next Actions	42
Annex I. Summary of dissemination and communication activities in the reporting period	44
Annex II. Conceptual framework for BRIGAIID exploitation	75
Annex III. Summary of 'BRIGAIID Inc.' approach	82

Executive summary

This document is an update of the BRIGAIID dissemination, communication and exploitation plan (D7.7) to guide our efforts to appropriately disseminate, communicate and exploit BRIGAIID messages and results. This update builds upon the second dissemination and communication plan by reporting on the activities undertaken after the last update and developing the exploitation plan.

This document sets out the overarching dissemination, communication and exploitation structure for BRIGAIID, aiming to:

1. Analyse the evolving progress of the plan and the assessment of overall objectives to both monitor and adjust as necessary the D&C activities in order to maximize the uptake of BRIGAIID outcomes.
2. Plan the overall dissemination strategy and intended main activities for BRIGAIID dissemination and communication project.
3. Inform about BRIGAIID exploitation plan, with a focus on discussing how we plan to exploit the results of the project (in addition to continuing to support ongoing exploitation of the innovations).

Moreover, this document contains the review and plan for specific activities of the BRIGAIID's dissemination and exploitation strategy. The overall BRIGAIID dissemination and communication objectives are:

1. To foster contact between innovators, paying customers and end users to promote the uptake of the innovation action;
2. To increase knowledge on the available innovations that aim to mitigate the impact of climate change on our society; and
3. To raise awareness on BRIGAIID's capability to attract innovators to use our network, methods and facilities.

The exploitation objectives are:

1. In terms of exploitation of innovations, to advance the readiness level of innovations and increase their chances to reach the market. This goal fits with the notion of using results for commercial purposes and for developing, creating and marketing a product, process, or service.
2. In terms of BRIGAIID methodologies and products, the consortium is actively exploring opportunities to incorporate the Technology and Implementation Framework (TIF), the methods and tools for business development and financing (MAF+ and PPIF) and the Climate Innovation Window into research and/or into commercial activities. The draft exploitation plan presents our approach for the potential exploitation of a bundle service integrating most of the methods and tools developed throughout the project.

1. Review of planned actions in the Dissemination and Exploitation Plan 2018-2019 (D7.7)

This section provides a summary of the fulfilment of dissemination and communication activities planned in the Dissemination and Exploitation Plan 2018-2019 (D7.7), i.e. M28 – M38. In the following table, there is a summary of the activities actually performed during this period.

ACTIVITY	TARGET	COMPLETED OUTPUTS
BRIGAIID website	Regular updates of contents and banners. Focus on results and alignment with exploitation strategy.	Main updates on M32 and M37. The information about tools and methodologies with potential for exploitation has been updated and improved. New sections have been developed, e.g. 'Pitch deck support program', 'Innovations map'.
Innovation Sharing Platform (CIW)	Regular updates of contents and New material for innovators (Protocol for Pitch Decks, Pitch Decks presentations, Videos...)	Platform running and contents periodically updated. A number of 121 innovations are now published into the platform. New labels have been designed to show interaction with BRIGAIID project, i.e. 'Selected for testing'; 'Selected for business strategy support'; 'Testing plan completed'; 'Business plan completed. Videos added for some innovations.
Social Media	Continue promoting the use of BRIGAIID Social Media accounts by all partners; continue monitoring the impact of our Social Media activity and uploading new BRIGAIID's content; increase the project results dissemination and alignment with exploitation strategy	BRIGAIID Social Media activity boosted, i.e. increase of partners Social Media activity
Newsletters	4 principal newsletters to be issued at M30, M36, M42 and M48 and possible small monthly/bimonthly newsletters with less content	3 external newsletters issued at M32, M33 and M35.

Communication, Dissemination and Marketing material	Pitch decks training program (multimedia), guidelines, pitch deck PPT template and training website for BRIGAIID and non BRIGAIID innovators. Pitch decks from innovators that followed the training program during M28-M38	Marketing Plan developed (including Visualisations and Infographics, Leaflets, templates and material to innovators, and the pitch decks design training program)
Communities of Innovations	Support frontrunner thematic Col's	Dissemination material prepared for different events, e.g. BRIGAIID Col meeting in Cartagena, 2 nd BRIGAIID conference in Bucharest.
Conferences	2 nd BRIGAIID Conference spring 2019	
Demonstration events	3-6 Demonstration events at test sites	4 demonstration events in test sites.
Participation in events and exhibitions	BRIGAIID partners are actively involved in conferences and exhibitions.	Attendance and active participation in several key events and exhibitions (see Annex 1). For example, BRIGAIID was largely represented in the ECCA Conference in 2019
Organisation of workshops	The number of workshops in the next months is not determined yet but is estimated between 2 and 5.	4 workshops organised (Albania, Spain, Portugal, Netherlands)
Bilateral contacts	Increase the intensity of bilateral contacts	Regular contact with relevant actors (e.g. climate-KIC)
Collaboration with other projects	Strengthen the links with other ongoing projects and consider joint dissemination activities BRIGAIID continues participating in the Common Dissemination Booster	Strong collaboration with related projects, e.g. shared session with BINGO, NAIAD, HAZUR at ECCA Conference

Table 1. Planned dissemination and exploitation activities for the months 28-40 and reporting of fulfilment

1.1. Description of activities performed

The comparison of the planned activities in former Dissemination and Exploitation Plan (D7.7) and the actually developed activities is now described with further detail. Also, monitoring indicators for the assessment of our dissemination and communication actions are provided when available.

i) Internal communication between BRIGAIID 's partners

We are still using the alternative platform SurfDRIVE for file exchange/storage within BRIGAIID. Is a safe environment that does not have the login issues for external users and the consortium can have access to it through:

<https://surfdrive.surf.nl/files/index.php/s/zyWNhdGSCJARuhp> (see Figure 1).

This acts as repository of all information for the project and enables data sharing and consultation by all partners. It is password protected with different profiles for the registered users, linked to specified permission criteria for data uploading and consultation. The collection of resources is structured by categories into folders: work package, support documents, contact data, deliverables, etc.



	Tamaño	Modificado
Budget	1,4 MB	hace 2 meses
Contact List	48 KB	hace 2 meses
Contracts	23,4 MB	hace 3 meses
Deliverables	145,6 MB	hace 2 meses
Media and Communication	30,8 MB	hace 3 días
Meetings	1,5 GB	hace 10 meses
Pictures	9 KB	hace 4 meses
Publications and e-Library	37,2 MB	hace 3 meses

Figure 1. Screenshot of the new BRIGAIID's SharePoint SurfDRIVE

In addition, DUT issues a monthly Internal BRIGAIID Newsletter within the consortium after the Executive Board meetings to inform all partners on project progress.

ii) BRIGAIID website

The website continues to play an important role in the communication and dissemination strategy. It is our first point of contact for external audience and provides information at different levels about the project, BRIGAIID tools, the methods applied, and the innovations participating in BRIGAIID. It is organised under a hierarchical structure to facilitate that all users can find the relevant general information and also look for more specific details on those topics of their interest.

During months 28 to 40, the webpage has been periodically updated by including news, downloadable materials and documents as well as the creation of new pages, updates on several sections and improvements. The main updates performed during the third period are described below:

Home page

- The home page contains calls to action, banners and videos to attract the attention to all our audiences, new innovators, end-users and investors and a section with the tools

offered by BRIGAIID (each one linked to its corresponding page). As well as an specific banner to address visitors to the Climate Innovation Window and a section updated daily with Twitter comments and the latest news that are published on the website.

‘What does BRIGAIID offer’ Menu:

- Support to innovators section: Update of the three existing pages with the results obtained this last year and information of interest provided by BRIGAIID partners and we have added a new page explaining the Pitch Decks Master program and a new page with an interactive Google map which informs our target audiences about the innovations supported by BRIGAIID, divided by hazards and which is connected to the CIW platform.
- Open call for innovators has been amended and updated to ‘‘Testing and improvement of innovations’’: New page to attract new innovators to be part of BRIGAIID, it links to the BRIGAIID infographic of the project’s workflow.
- Involvement of end-users: We have created a new page that provides detailed information about the Col’s and we have updated it with new information and pictures of the existing Col’s pages:
 - Living Lab the city of Antwerp (Belgium): New page featuring this BRIGAIID living lab with thorough information on the lab and its activities.
 - Community of innovation in Tirana (Albania): New page featuring this BRIGAIID Col. It contains information, personalised graphics and an interactive timeline.
 - Community of innovation in Bucharest (Romania): New page featuring BRIGAIID Col.
- Climate Innovation Window: New page created to inform about the platform and its advantages.

‘About BRIGAIID’ Menu:

- Related Projects: New Page titled ‘‘CLUSTER ON CLIMATE CHANGE RESILIENCE FOR CITIES AND CRITICAL INFRASTRUCTURE’’ with updated information of the Four EC-funded projects, BRIGAIID, EU-CIRCLE, RESCCUE, and RESIN, provided by the Common Dissemination Booster (CDB)
- Conferences and events:
 - New Page created for the Romania Conference providing information about the conference, the agenda of the event and registration.
 - New Page provided by the CDB for the ECCA2019 with information about the event and the participation of the four EC-funded projects.
 - News and Press: Some news and newsletters added to the list

During the period from 29 to 40 months, new infographics have been created and incorporated on the online material. These new elements added to the brand identity make the project's dissemination tasks more effective. Interactive infographics were created on the Albanian Col page to feature the Col's timeline.

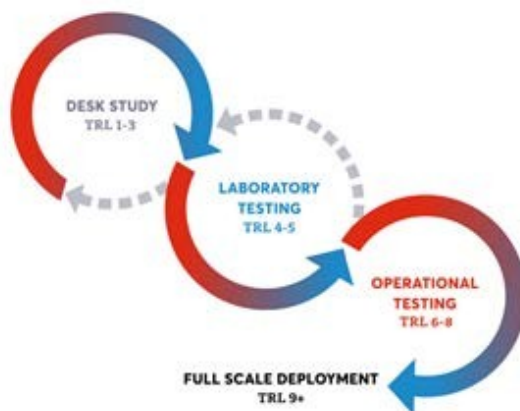


Figure 2. TIF stages infographic on website



Figure 3. 'How TIF tool works' infographics

	GOAL		REALIZED IN CYCLES: 1, 2, 3				
	Total	Average per cycle	Total	Average per cycle	C1	C2	C3
Consortium partners	±30	±10	26	9	18	5	3
Stocktaking	45-70	15-23	99	33	10	46	43
Total	75-100	25-33	125	42	28	51	46

Figure 4. 'Stocktaking process' infographic



Figure 5. Stocktaking 3rd call innovations

The website has been modified with project updates and related news. BRIGAIID aims to produce a number of 5 to 10 web banners over the whole duration of the project. Several banners have been added in order to get the attention from all visitors on the possibility to subscribe to BRIGAIID newsletters, have information about innovators and informing about BRIGAIID Romania conference as well as back up for specific contents of the website.



Figure 6. Home Page BRIGAD's banner (Romania Conference)

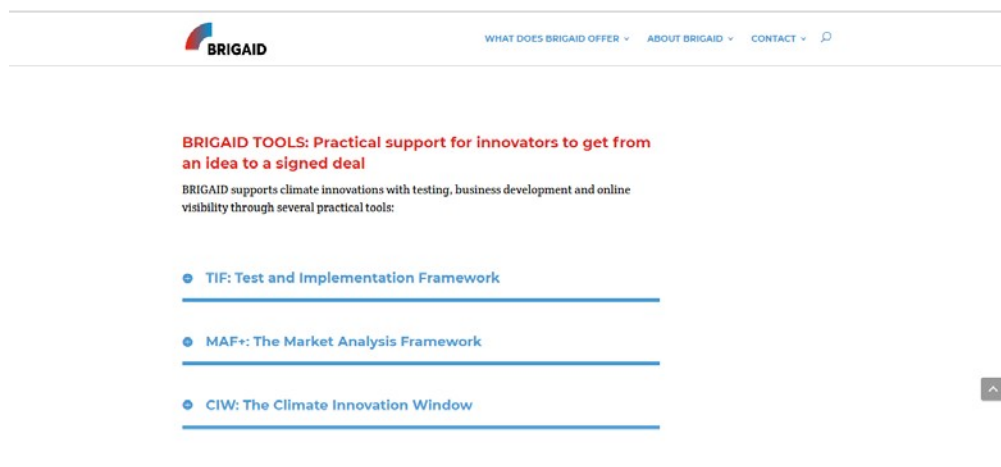


Figure 7. Updates in the Home Page of BRIGAD's website

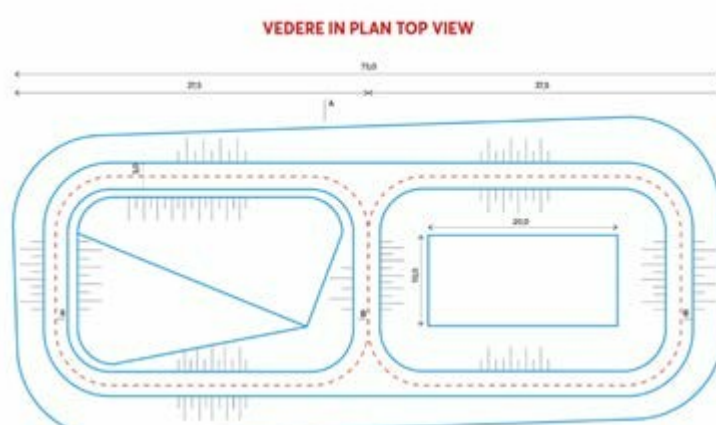


Figure 8. Example of updates about Col's activity (Col Romania polder)

Figure 9 shows BRIGAIID's Audience overview, 82.7% were new visitors and a total of 3,152 new users how conducted 1.59 sessions with an average duration of 2 minutes and 26 seconds. Compared to the first year we have an increase on new visitors and sessions.



Figure 9. Audience overview of BRIGAIID's website

iii) Innovation Sharing Platform (Climate Innovation Window)

The CLIMATE INNOVATION WINDOW (CIW) continues providing information on innovations improving climate resilience. Right now, it contains a total of 121 innovations. Each innovation is linked to a specific type of hazard and described in a sole page. This includes the innovation description, i.e. by showing the name and a descriptive image or conceptual diagram of the innovation, and an explanation of the problem/issue it aims to tackle. Some of the innovations have added a video explaining how the innovation works and what their added value is.

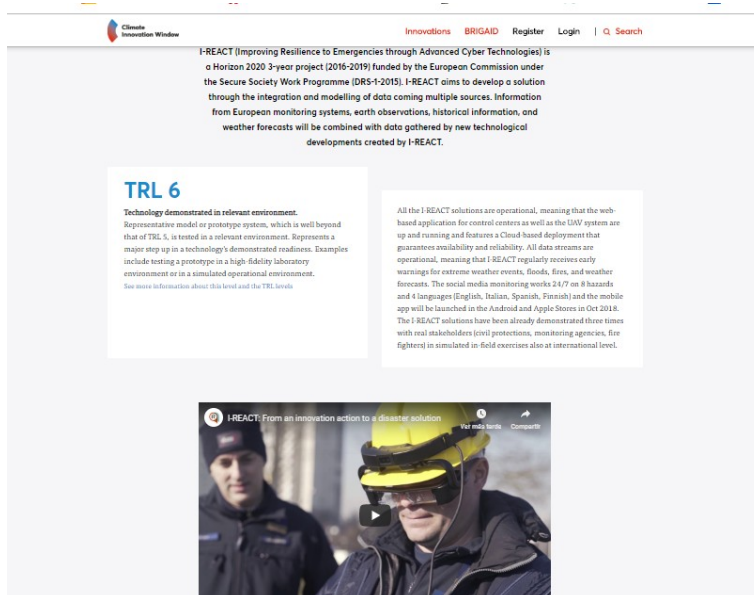


Figure 10. Example of a descriptive video included in the CIW for an innovation

This platform can be accessed at www.climateinnovationwindow.eu and has been regularly updated, i.e. through the inclusion of new innovations and additional information for the published innovations. The platform is made accessible to several types of stakeholders, e.g. innovators, public and private risk managers, policy and decision makers, industry and investors, etc. It facilitates the interaction among stakeholders by including some functionalities that support the gradual establishment of an online community e.g., visitors can ask questions, contact the innovators through private messages and monitor the progress of innovations.

The ISP (CIW) is described in the deliverable D7.3 (M12). A report was issued together with the online platform to describe the structure of the ISP and provide complementary information for a better understanding of the goals and selected structure of the platform.

On the Figure 11, we can check the CIW user's overview from July 1st, 2018 to June 30th 2019. A total of 4,800 users and 4,748 new users. The average per session duration is 03:49 min and the Bounce rate is 57.6%.



Figure 11. CIW user's overview from July 1st, 2018 to July 1st 2019.

On the Figure 12, we can check the CIW user's overview from April 1st, 2019 to June 30th 2019. In 3 months, we had 1,499 new users. The average per session duration has decreased 1 min approximately, from 03:49 min to 02:53 min.



Figure 12. CIW user's overview from April 1st, 2019 to July 10th 2019

The platform also provides descriptive information about the innovations, its development stage and (expected) performance according to the Test and Implementation Framework (TIF) and the business strategy support (MAF)

BRIGAIID has modified the existing labels of the TIF and prepared new labels for the MAF to insert in some of the innovations explaining which ones completed the Business plan and which ones are selected for business strategy support. The introduction of these labels was in M38.

The new badges added into the platform are:

- Selected for business strategy support

This involves that innovation has been selected by BRIGAIID because of its developer's expressed willingness and revealed commitment to bring it to market. Ongoing support on business strategy and market analysis activities is being provided.

- Business plan completed

This badge implies that the BRIGAIID Business Development Programme has been successfully completed. A MAF+ assessment has been conducted and its results have been enriched and incorporated into a business plan document.

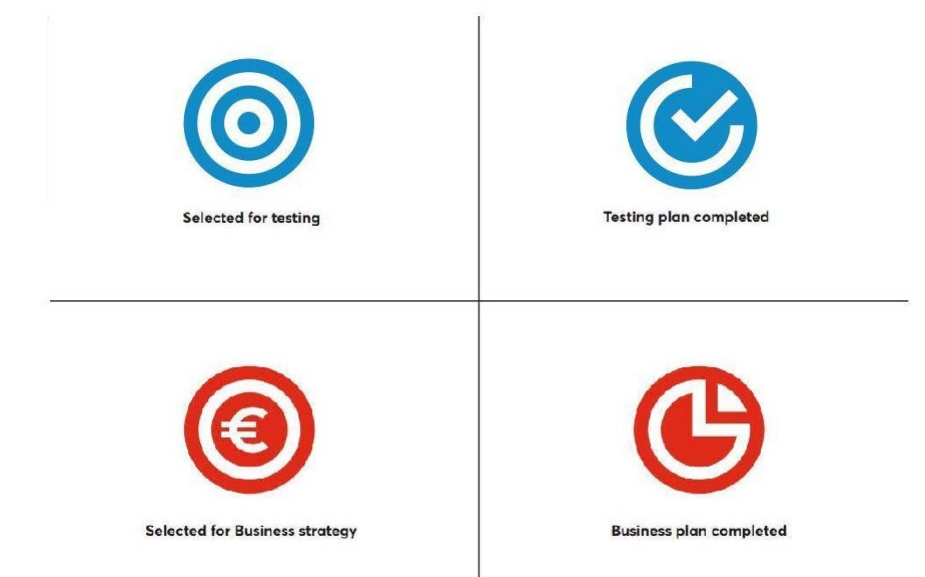


Figure 13. Example of the label's implementation

Also, some materials produced within the frame of BRIGAIID have been showcased. These include interactive factsheets/brochures of each innovation, together with demonstrations and assessment results, measurements on effectiveness (obtained by using the TIF) and recommendations for final improvement and final qualification (status).

iv) Pitch deck training program

The market outreach has been supported through the production of marketing material that it's available through the platform such as a pitch deck template and a training program for the innovators supported by the project (see <https://brigaid.eu/suport-to-innovators/the-brigaid-pitch-deck-creation-support-program-for-innovations/>).

This solution has extended into a more in-depth project to teach innovators how to take the most advantage of every pitch, and to adapt to different audiences and potential clients. As a result, we have created a useful tool to help innovators pitch their products in a thorough and convincing way, so that the innovators have to tools and knowledge to create decks adapted to the different timeframes of their innovation.

The result is a training program, developed by LOR, that gives each BRIGAIID innovator the necessary training to generate and present their pitch decks, as well as guidelines and templates to generate as many pitch decks as may be needed to present the innovation in all situations.

The program includes:

- a training recorded on video, with presentations in PDF and exercises to learn how to generate and present pitch decks.
- a private site where innovators can access this information. This site will include a section with the most frequently asked questions answered.
- also, a contact form to resolve any doubts that may arise. All innovators that have not been selected by BRIGAIID can access these materials.

The process for the creation of the pitch decks follows these steps:

1. LOR has agreed in different sessions between the WP leaders of WP5, WP6 and WP7 the final needs that the program must cover and the characteristics that it must have.
2. LOR has developed the content index of the program and has done much of the research necessary to develop all the lessons of the program.
3. LOR sends the innovator a Welcome email, with the explanation of the course, the methodology and the functioning. This email also contains the link to access to the training program created by LOR. This program is hosted on a private site. Permissions are provided so that each innovator can have immediate access.
4. The innovator can access the lessons in the private site (organized in five Units) and didactic materials to generate pitch decks and improve their skills to presenting them. The program is based on the information generated through the application of the MAF+ framework whenever possible.

5. LOR has enabled a section in the private site with a downloadable pitching template and a reading template so that innovators can personalize them and make as many adaptation as needed. This way, they will be able to adapt them to the target they are addressing each time, and to the TRL in which their innovation is at.
6. The innovators can solve all the questions they have through the Frequent Asked Questions section of the private site, or a support form. LOR is responsible to generate and maintain this site and this section. LOR is also responsible of the support email.
7. The innovator is responsible for uploading the pitch deck or a reduced version of this pitch deck into the Climate innovation Window.

The partners developing innovations are asked to post when any achievement or specific progress is made, e.g. test activities, updated test data, creation of new marketing material, etc.

The final product includes:

- Protocol of usage of Pitch Decks
- Pitch deck master template
- An online teaching program with in-depth video tutorials of how to create a successful pitch deck slide by slide

v) Social media

The project has continued to use the Facebook and LinkedIn pages as well as a Twitter official account, created at the start of the project. BRIGAIID provides regular updates to the Twitter, Facebook and LinkedIn accounts by uploading new BRIGAIID's content; increasing the reach for project results dissemination and alignment with the exploitation strategy, i.e. every week, all the BRIGAIID social media channels publish information about one of the innovations featured on the CIW platform.

At the beginning of the project we provided basic instructions on how to use the social media main channels and establishing a limited set of moments when partners must make use of the project social media depending on their role. For example, WP leaders have been asked to regularly contribute by informing on project development. Moreover, some of the partners developing innovations are posting when any achievement or specific progress is made, e.g. test activities, updated test data, creation of new marketing material, etc. As a result, the activity in our social media channels has increased during this reporting period as the project has more content to showcase and partners collaborate more often.

BRIGAIID's LinkedIn account (<https://www.linkedin.com/company/brigaid-eu-project/>) with 217 followers in total is growing slowly although it has had a large increase in the activity throughout the last year (starting from 86 followers).

The BRIGAIID account of Facebook (<https://www.facebook.com/brigaid.eu.project/>) is improving monthly thanks to the increase in weekly posts and the interaction of the partners. It has 141 page likes and 154 followers. Facebook analytics of the last 28 days (from 8 June 2019 to 5 July 2019) shows that we reached 624 people and had 48 page views.

Twitter account (@brigaid_eu) has 327 followers, we follow 245 entities / people and we have 581 Tweets posted since we started with 342 likes. From 11.06.2019 to 08.07.2019 our tweets earned 14,3K impressions over this 28 day period.



Figure 14. Twitter Account

vi) Newsletters

During the last reporting period, three external newsletters have been distributed.

The fifth newsletter was sent in December 2018, and this time the focus was set on the BRIGAIID Project Meeting in Cartagena, Spain. The sixth newsletter was sent in January 2019, providing specific information on BRIGAIID Communities of Innovation, and in particular to Albania Col. The last external newsletter was sent in May 2019, concerning the latest BRIGAIID progress and updates and the BRIGAIID conference in Romania.

By July 5th 2019, the distribution list of our newsletter sums up to 575 subscribers.



Figure 15. Heading of the Newsletters 5, 6 & 7

vii) Policy Briefs

In this reporting period, the [second BRIGAIID policy brief](#) has been produced through the close cooperation of WP6 (ECO) and WP7 (ICA, LOR) partners. This policy brief (D7.10) deals with the implementation of the BRIGAIID business development programme, with a particular focus on showcasing the Market Analysis Framework (MAF+) developed by BRIGAIID. It was delivered in month 36 and has been disseminated and made available for download, targeting end-users at policy and management level and relevant agencies in the fields covered by BRIGAIID.

This policy brief complements a previous policy brief (D7.5), dealing with the description and assessment of the Technology and Implementation framework (TIF).



Figure 16. First page of the Policy Brief on the BRIGAID business development programme

viii) Communication and marketing material

The project has generated several materials to support communication and marketing activities throughout the reference period for this update, namely:

- Brochures and leaflets describing main aims and activities of the project, i.e. project meetings and workshops. These are being generated both in digital and printable versions.
- 2 Roll Ups, one, introducing the Romania Conference and the other one with information about BRIGAID Project

- Several visualisations presented as infographics, i.e. TRL levels, map of demonstration and test sites, project timeline, etc.
- An introductory poster to BRIGAID describing the aims, roadmap and general approach of the project and a Community of Innovation Poster (see figure).
- BRIGAID stickers
- Banners with different information for BRIGAID's website and for the social medias
- News with BRIGAID's relevant information about the project and partners (assistance to events, conferences or workshops...)



Figure 17. Bucharest Conference leaflet



Figure 18. Bucharest Conference invitation

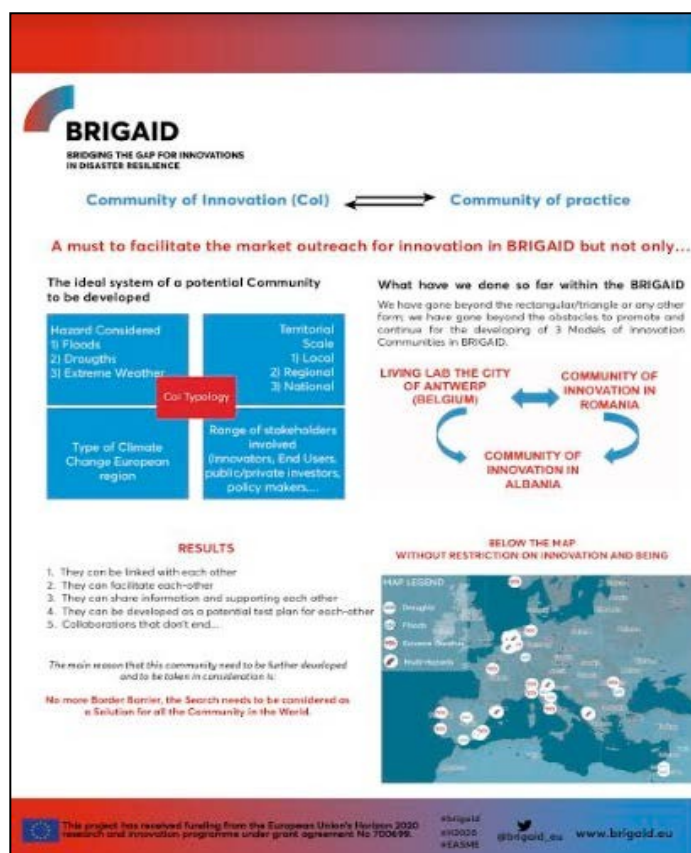


Figure 19. Poster on Communities of Innovation

ix) Videos

During this third period, we compiled a total of 17 videos describing innovations supported by BRIGAID, e.g. main aims, how it works, etc. These videos have been adapted and uploaded on the BRIGAID YouTube channel and the CIW platform.

x) BRIGAID workshops

The workshops organised under the umbrella of BRIGAID have been either devoted to the testing and dissemination of BRIGAID innovations or to supporting and developing the role of the Communities of Innovation. As examples, NTPA organised three consecutive forums on 17, 19, and 21 December 2018 for the introduction of the 12 innovations involved in BRIGAID to members of public institutions, agencies, and universities; the Netherlands Col has organised a specific workshop with water managers (e.g. STOWA) on February 2019 with 30 participants; and two workshops were organised in Cartagena (Spain) aiming to connect innovators with end users, validating whether innovations help to reduce existing risks in the area (e.g. droughts and extreme weather), making end users explicitly express their needs, and exploring business models and funding options together. Further information about these activities is shown in deliverable on intermediate activity of Col's.

xi) Participation in conferences

During the third reporting period, BRIGAID partners have continued to participate in a large number of Conferences and external events. This activity has been reported through our social media and website. The full list can be found in the Annex I.

xii) Bilateral contacts

BRIGAID is in close contact with Climate-KIC as a reference partner to support the exploitation of BRIGAID tools and methodologies (see exploitation plan). Several meetings have been held with Climate-KIC representatives at European and National level in order to identify potential collaboration lines and how the Climate-KIC programme can support the exploitation of BRIGAID.

As an example of other relevant contacts with key actors, BRIGAID has actively communicated with Water Window team in relation with the potential links with the CIW and the possibility of merging both platforms. Other bilateral communication during this period include Solar Impulse, who showed interest on the innovations, and [Water Europe](#) (WssTP) for the potential collaboration with the CIW.

In addition, BRIGAID is constantly looking for collaboration with relevant ongoing initiatives such as existing European climate adaptation platform (<http://climate-adapt.eea.europa.eu>), their respective equivalents in European countries and relevant EIP Water Action groups and partners EIP-Water (www.eipwater.eu). A link has been included in our platform to the web pages of these initiatives and we publish news as well as information about BRIGAID activities and results through their dissemination channels, with the aim to reach a wider range of potential users for BRIGAID's platform. This activity is particularly relevant at this stage of the project since we are now focusing on showcasing and explaining the added-value of BRIGAID methodologies and results.

xiii) Collaboration with other projects

Since June 2017, BRIGAIID was involved in a Common Dissemination Booster (CDB) which ended in June 2019. The other sister projects that were involved in this activity were RESCCUE, EU-CIRCLE and RESIN. This program encourages projects to come together to identify a common portfolio of results and shows them how best to disseminate to end-users, with an eye on exploitation opportunities, and provided a useful opportunity to increase the impact of BRIGAIID results and activities.

The dissemination cluster was named “Cluster on climate change resilience for cities and critical infrastructure” and the main objectives identified for the various projects participating in this initiative were:

- a. Building more resilient cities against climate change threats
- b. Creating innovations in disaster resilience
- c. Derive an innovative framework for supporting the interconnected European Infrastructure’s resilience to climate pressures

Before finalizing the CDB initiative, different materials have been created to be included in each of the projects websites. BRIGAIID already has updated the website with all these information received. The CDB has achieved a lot of joint dissemination activities:

- [ECCA Press Release](#)
- A [joint article](#) has been distributed through ‘Issue Wire’, a reference press release distribution network.
- A Web Banner (see figure 20)
- Production of draft website content (info, brochures and a video) and a catalogue of results, which already have been included into BRIGAIID website (see figure 21)
- Joint Event slides
- [Event teaser video](#)



Figure 20. Web Banner for the activities of the CDB

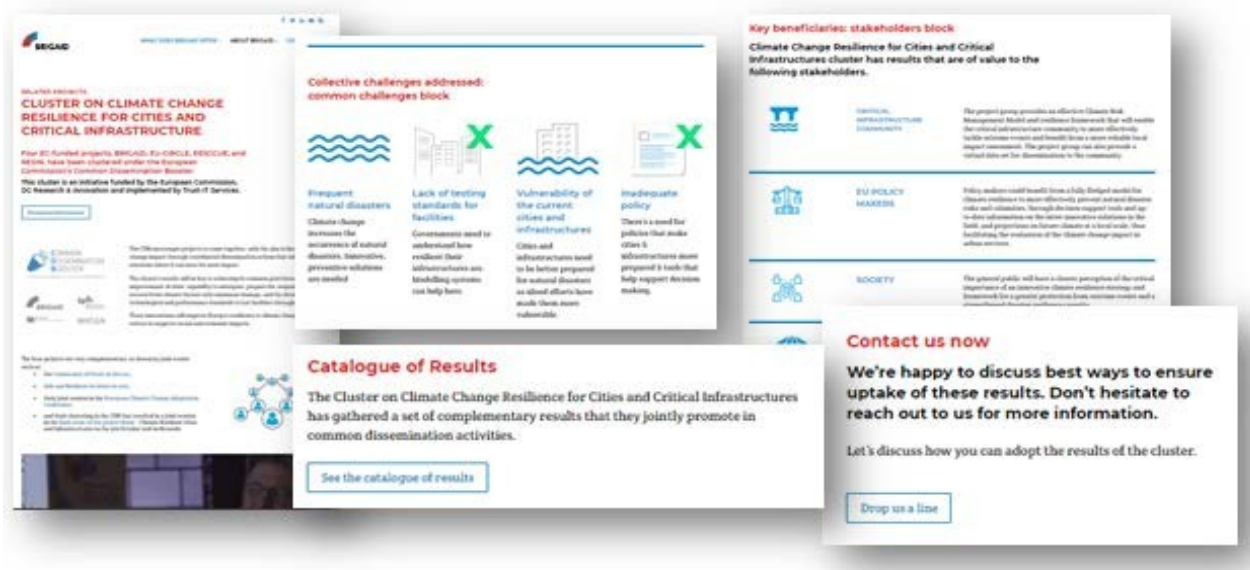


Figure 21. Information included in BRIGAIID website about the cluster on climate change resilience for cities and critical infrastructure

In addition, in the Cartagena Project meeting, a clustering event with other projects was organised in order to set common lines or concerns about project exploitation.

xiv) Demonstration events

During this last period of the BRIGAIID's project, several demonstration events have been performed to showcase the development and performance of some innovations. As we advanced in the previous plan, the schedule for these events depends on the testing progress of each innovation so there have not been fixed dates for them to take place. Below there is a list of some of the related innovation demo events:

- November 7, 2018, eEM-DAT disasters database innovation: workshop to lab-test the eEM-DAT platform prototype (20 attendants).
- June 2018. Two events were organized at Antwerp to inform professionals (during an afternoon event) and the public (during an evening event) about the HYDROVENTIV “smart greenroof” that BRIGAIID is testing on the rooftop of the Beweging.net building at Antwerp (150 attendants). As a separate activity, staff from research agencies of the European Commission was also invited to visit this demonstration site.
- October 19, 2018, testing activities at Tomás Ferro, Experimental Station - UPCT (EVAPO-CONTROL, desalinization plant, denitrification system).
- June 14, 2019, Opening ceremony of the Flood Proof Polder in Facau, Bucharest. A testing facility for (temporary) flood defences and innovations for water management. During the opening some innovators showed their innovations: box barrier, tube barrier, slurpzak, green soil bag, box barrier... and many others (around 100 attendants).

xv) Communities of Innovation

The detailed information about the activities of BRIGAIID Col's can be found in the Intermediate report of the Communities of Innovation activities D7.9 that will be updated by month 48.

1.2. Indicators for monitoring the performance of dissemination and communication activities

Activities	INDICATORS	
BRIGAIID website	M1-M13	Sessions: 1.820 Page views: 4.470 Average time per visit: 2:20 min
	M14-M24	Sessions: 6.014 Page views: 14.032 Average time per visit: 2:26 min
	M25-M27	Sessions: 1.569 Page views: 3.503 Average time per visit: 2:20 min
	M28-M38	Sessions: 4.449 Page views: 9.569 Average time per visit: 2:22 min
Innovation Sharing Platform (CIW)	M14-M24	Sessions: 5.154 Page views: 19.806 Average time per visit: 4:27 min

	M25-M27	Sessions: 1.079 Page views: 4.171 Average time per visit: 4:27 min
	M28-M38	Sessions: 8.160 Page views: 29.316 Average time per visit: 4:27 min
Social Media		As of 30/06/2019: <ul style="list-style-type: none"> • Twitter: 319 followers • Facebook: 114 'page likes', 141 followers • LinkedIn: 217 followers
Newsletters	5th newsletter	291 subscribers outside the consortium received the newsletter. It had a 38.1% of Open rate and a 5.9% click rate.
	6th newsletter	287 subscribers outside the consortium received the newsletter. It had a 39.7% of Open rate and a 6.5% click rate.
	7th newsletter	375 subscribers outside the consortium received the newsletter. It had a 38.7% of Open rate and a 7.1% click rate.
Marketing material	Brochures, Infographics & Visualisations and leaflets	Number of downloads and visualizations: not measured
Videos	17 videos	Number of visualizations in the CIW website: not measured
	BRIGAIID's Main Video	Number of watches in YouTube channel: 166
Conferences and exhibitions		Number of participations: See annex I
Collaboration with other projects		Common Dissemination Booster (CDB)

Table 2. Monitoring indicators for dissemination and communication activities for the year 2 of BRIGAIID

2. Planned actions for the last D&C reporting period (M39-M48)

2.1.1. Planned activities

This section outlines the plans for the last reporting period (M39-M48) by documenting the specific outputs and products planned. The outline below includes the planned dissemination and communication activities.

ACTIVITY	TARGET
BRIGAIID website	Regular updates of contents and banners. Focus on results and alignment with exploitation strategy.
Innovation Sharing Platform (CIW)	Regular updates of contents and New material for innovators (Protocol for Pitch Decks, Pitch Decks presentations, Videos...)
Social Media	Continue promoting the use of BRIGAIID Social Media accounts by all partners; continue monitoring the impact of our Social Media activity and uploading new BRIGAIID's content; increase the project results dissemination and alignment with exploitation strategy
Newsletters	3 newsletters to be issued at M39, M42 and M48 and possible small monthly/bimonthly newsletters with less content
Communication, Dissemination and Marketing material	Specific materials supporting project activities. Support the elaboration of pitch decks by innovators (through our training program) and upload pitch decks into the CIW.
Conferences	3rd BRIGAIID Conference (The Netherlands), 2 nd and 3 rd April 2019
Demonstration events	3-6 Demonstration events at test sites
Participation in events and exhibitions	Promotion of BRIGAIID by participation in conferences and exhibitions, with a particular focus on exploring exploitation opportunities for BRIGAIID.
Bilateral contacts	Focus our bilateral contacts on exploring opportunities for the potential exploitation of BRIGAIID (as example, a teleconference was organised in July 2019 with OPPLA representatives to learn more on how they built a commercial platform after the end of their H2020 project).
Collaboration with other projects	Keep active links with other ongoing projects, with a particular focus on supporting exploitation activities.
Project results	Focus dissemination activity on TIF, MAF+ and business development, CIW, Col's, and other project results. Support to disseminate BRIGAIID's innovations.

Table 3. Planned activities for the last reporting period (M39-M48)

A more precise description of planned activities is provided broken down by the type of action

i) BRIGAIID website

The website will continue to be updated regularly with new content to inform on the project progress and support the project activities, e.g. we will continue creating a series of infographics and visualisations, simplifying some of BRIGAIID's information in a visually engaging way in order to attract and inform a large audience.

At the same time BRIGAIID website offers BRIGAIID's news and newsletters, information about specific events and conferences, products (public deliverables and promotional material), social network's information which will be updated monthly. We will use our dissemination channels (e.g. social media, newsletters) to further promote the BRIGAIID website.

ii) Innovation Sharing Platform (Climate Innovation Window)

The Climate Innovation Window platform is updated regularly with new innovations and new content about innovations, e.g. update on test results, or labels. In addition, new dissemination and commercial material is regularly added, in particular information about funding needs (directed to investors), pitch decks (produced with support of the online training tool) and audio-visual material that shows how the innovations work. We also will use our dissemination channels (e.g. social media, newsletters) to further promote the CIW.

iii) Social Media

The social media activity will continue to disseminate and communicate project activities, partners' events and news, and will have a focus on project results and innovation's updates in order to facilitate their exploitation.

iv) Newsletters

A total of 3 general newsletters are planned to be sent in this period (M39, M42, M48). These newsletters will keep a similar structure although with a focus on a specific theme.

v) Dissemination and marketing material

A number of materials supporting dissemination and marketing activities will be produced in accordance with the requirements of partners and innovators, e.g. visualisations and infographics; posters, brochures or leaflets; pitch decks for innovators involved in the training program; material to support the organisation of all the next events, conference and BRIGAIID's workshops; material to support the activities of Col's in the different countries.

vi) BRIGAIID conferences and Project Meeting

Three conferences (see Table 5) are being organised throughout the project, one at the end of each innovation cycle, to share BRIGAIID's results and innovative aspects between innovators, end users, leading sectoral and other climate adaptation initiatives.

The first conference was organised in Southern Europe, in Venice (Italy), in November 2017. The second conference was held in Eastern Europe (Romania) in spring 2019. The last conference will be organized in North-Central Europe in spring 2020 (The Netherlands).

BRIGAIID CONFERENCE	estimated date	organiser
Southern Europe (Venice, Italy)	November 9-10 2017	THETIS
Eastern Europe (Romania)	June 13-14 2019	UTCB
North and Central Europe (The Netherlands)	April 2-3 2020	DUT / HKV

Table 4. BRIGAIID showcase conferences

The next BRIGAIID Project Meeting will be organised in Albania (23-25 October 2019) and it is expected to put a particular emphasis on the role of the BRIGAIID Communities of Innovation.

vii) BRIGAIID demonstration events

It is expected that several demonstration events take place (3-6 events), however there are no dates planned for these events.

viii) Participation in events and exhibitions

The BRIGAIID partners will remain active in the participation in events, i.e. external conferences, congresses, workshops, trade fairs or exhibitions. This activity is regularly reported through our website.

ix) Bilateral contacts and collaboration with other projects

In the final stage of the project, we aim to focus these bilateral contacts on supporting the exploitation of BRIGAIID. This will include key players which can directly support the exploitation of the project tools and methods, e.g. Climate-KIC, European Commission, European Business Development Bank.

Contacts with related projects have been developed over the course of the BRIGAIID project, including with sister H2020s NAIAD, BINGO, RESCCUE, CLARITY... This included collaborating on joint sessions at conferences and presenting at each others project meetings. While some of these projects have finished, we continue to explore ongoing collaboration with CLARITY, and are featuring innovations from sister projects in BRIGAIID (e.g. HAZUR from RESCCUE). We will keep collaborating with projects wherever possible, e.g. inviting them to participate in our final conference.

2.1.2. Linking dissemination and exploitation

In this final stage of the project, dissemination activities (see chapter 2) will particularly focus on supporting exploitation.

In general, we will use our online dissemination channels (social media, BRIGAIID website and newsletters) to inform about our plans for exploiting BRIGAIID. The Climate Innovation Window will be adapted to strengthen its role to reach innovators.

As specific actions particularly useful to support exploitation, two key examples are the role of Communities of Innovation and the BRIGAIID final event:

- The activity of the Communities of Innovation will put a particular emphasis on how to support exploitation, e.g. by introducing relevant topics into workshops, or conducting surveys or direct interviews to learn on priorities and needs of end-users. Moreover, the role of the Col's as a dissemination channel to reach potential end-users and beneficiaries of BRIGAIID results will be fostered.
- The final conference will be a key event for us to communicate conclusions of the project to EU and national government policy audience. In addition, it is being considered to prepare a final workshop in Brussels with aim to present our final results and exploitation plan to stakeholders and policy-makers.

3. Draft Exploitation Plan

3.1. Overview

This draft exploitation plan aims to specify the main exploitation results of BRIGAIID and potential options for their exploitation. This document cannot still be considered as a final exploitation plan since exploitation activities and specific audiences are still not fully defined. However, this document aims to set the basis and follow-up actions to deliver a final exploitation plan to be included as part of the final report of the project.

3.1.1. Summary of BRIGAIID's exploitation strategy

The exploitation of BRIGAIID results covers almost the full spectrum provided by the definitions of exploitation for H2020 projects - *"the use of the results during and after the project's implementation in further research activities or in developing, creating and marketing a product or process, or in creating and providing a service, or in standardisation activities"* - (see annex 2). Our strategy for exploitation can be separated in two approaches, depending on whether the focus is set on the innovations being supported by BRIGAIID or on the methodologies designed and implemented by BRIGAIID for supporting the development of the innovations:

- In terms of exploitation of innovations, since one of the core aim of BRIGAIID is to advance the readiness level of innovations and increase their chances to reach the market. This goal fits with the notion of using results for commercial purposes and for developing, creating and marketing a product, process, or service.
- In terms of exploitation of BRIGAIID methodologies and products, the consortium is actively exploring opportunities to incorporate the Technology and Implementation Framework (TIF), the methods and tools for business development and financing (MAF+ and PPIF) and the Climate Innovation Window (CIW) into research activities and commercial processes.

Therefore, the exploitation activities of BRIGAIID are addressing two separate although intertwined approaches: i) support 35-50 innovative solutions tackling issues related to Climate Change Adaptation to get closer to the market; and ii) development of a standard method integrating technical, social, market and financial components, i.e. BRIGAIID's approach, to be assessed and validated through our work with these 35-50 innovations and that could be applied to guide other innovations dealing with similar problems on their way to the market.

The exploitation of innovations is being directly supported by BRIGAIID (as shown in Annex 2) and is directly related to the use of our results (i.e. methods, tools and supportive activities) during project implementation. However, it is not the role of BRIGAIID to ensure that the innovations are commercially or scientifically exploited. Regarding this, the exploitation after project implementation will focus on the use of our results, i.e. a package of methodologies, tools and networking to support the development of innovations. This use of results will be the central component of our final exploitation plan for BRIGAIID - to be produced as a development of this draft exploitation plan. Exploitation activities (to be fully developed in the final exploitation plan)

will focus on ‘bridging the gap’ between the funded Innovation Action and the actual use of the results of the project by other end-users and potential beneficiaries.

3.1.2. Aim and structure of the draft exploitation plan

This draft exploitation plan is complementary to the BRIGAIID exploitation framework, which is included as Annex 2 to this document. The exploitation framework provides:

- i) a description of the planned components of BRIGAIID exploitation (according to the DoA) and how exploitation activities were expected to contribute to the delivery of the project’s expected impacts;
- ii) the definition for the key terms, concepts and exploitation aims considered in the exploitation of BRIGAIID;
- iii) a description of the support provided to innovations throughout the implementation of BRIGAIID.

The draft exploitation plan builds upon the exploitation framework by identifying specific actions towards the achievement of the actual exploitation of the results produced in the frame of BRIGAIID project, i.e. with a focus on the methodologies and tools developed to support the development and business development of innovations dealing with climate change resilience and adaptation. Our final goal is to identify the key questions related to the exploitation of these results in order to propose specific actions to address these questions:

- What are the exploitable results?
- Who will finally use our results and for what purpose?
- What are the barriers to exploit these results?
- What are the concrete measures we are planning to ensure that the results meet real needs and will be taken up by potential users?
- What are the roles, rights and responsibilities of partners in exploiting these results or supporting results exploitation by other (intermediate or end) users?

At this moment, we are still not in position to fully answer all of these questions, although we intend to include this information in our final exploitation plan.

3.2. Exploitable results

3.2.1. Exploiting individual results of BRIGAIID

The main standalone exploitable results produced by BRIGAIID are:

- The Testing and Implementation Framework (**TIF**)
- The Market Analysis Framework (**MAF+**) and the Public-Private Investment Framework (**PPIF**), bundled as “Business Development Approach” (BDA)

- The Climate Innovation Window (**CIW**)
- New **knowledge**

Testing and Implementation Framework (TIF)

According to the project reviewers, the TIF has a very high exploitation potential which lies on the opportunity to standardise socio-technical evaluation of climate adaptation innovations as described in the DoA.

The main product is the TIF Self-Assessment Tool that is made available to all interested innovators via BRIGAIID website. The self-assessment consists of 20 questions related to societal acceptance, nineteen questions related to technical design, 21 questions related to environmental impacts, and 24 questions related to sectoral impacts. The results and recommendations are summarised in a chart. The Tool should be applied at three 'stage-gates' – critical points in development at which innovators should pause to identify and address social, technical, environmental and sectoral concerns. Further information is provided in the dedicated [policy brief](#) produced by BRIGAIID.

- Potential users and purpose(s)

The exploitation of the TIF may relate to scientific (further development of some methodological aspects in new projects), commercial (see section 3.3) and social (use of the tool for analysis of social acceptance) purposes.

The main target users of the Self-Assessment Tool or the TIF are innovators developing products or services within the thematic scope of BRIGAIID. The TIF is designed to help innovators identify possible societal, technical, environmental and sectoral concerns that their innovations may raise early on – and iteratively throughout the development – so that they may modify their designs and not become locked into those that are less likely to appeal to end users.

As a secondary group, we target groups of end-users or sectoral users that may be interested in adopting BRIGAIID TIF as a standard that ensures an adequate development of innovations, provides a frame for co-development of these innovations or allows inter-comparison among the technical and social characteristics of new products and services. The identification of these groups will be supported by the activity of BRIGAIID's Communities of Innovation (CoI's). So far, there are some relevant actors that have shown a strong interest in this product, e.g. STOWA (Foundation for Applied Water Research – Netherlands), The Spanish Ministry of Environment and Energy Transition or WssTP (The European technology Platform for Water).

- Barriers and risks

It must be noted that the TIF needs to cover a very broad range of topics since the target innovations are coping with a large variability of problems, i.e. as a result to the increasing need to adapt to climatic changes under several potential hazards. The goal of the TIF is ambitious: currently there is no internationally accepted method or framework to support innovators in the field of climate change adaptation in testing the effectiveness of their innovations and evaluate social acceptance. BRIGAIID is developing a comprehensive, standardized methodology for testing and implementing climate adaptation across several geographical scales and market sectors.

□ Partners roles, rights and responsibilities

According to BRIGAIID's Consortium Agreement, all partners in WP5 who have contributed to the TIF development are co-owners, led by TU Delft as WP5 leader.

Business Development Approach (MAF+ / PPIF)

BRIGAIID has developed an integrated business support programme for climate innovators. We want to trigger change in European innovation by getting innovators and researchers comfortable with putting business development and marketing concepts into practice. The goal is to increase their capacity to recognise actual market needs and incorporate them into their product development process. This will ensure that the new solutions created are user-centric and globally competitive.

The main products/services being part of the BRIGAIID Business Development Approach are:

- European maps of market attractiveness
- MAF+ online platform (<https://maf.brigaid.eu>) – The MAF+ is an online assessment and decision-support system that helps innovators challenge their business idea and make strategic decisions around it. At its heart, it is a structured series of interactive business development exercises that enable innovators to define their market, recognize the key values of their innovation, identify opportunities, evaluate competitors, and conceive a suitable business model. It is freely available online. The MAF+ is already an example of exploitation of project results, i.e. the original version of the framework was developed and applied in an FP7 project. In BRIGAIID this outcome was turned into an online collaboration portal and built a fully-fledged support and feedback structure around it (the BRIGAIID Business Development Approach).
- Additional business development support (PPIF) – including a spider graph analysis of innovation readiness, business plan templates and guidance, the 3Gs document (Government Grants Guide) for helping innovators navigate public funding, plus a funding scan for innovations. Most of these tools have been fully developed and tested whereas the funding scan is currently being tested.
- Provision of consulting services for a guided application of the business development methodology in order to provide clear and tailor-fit recommendations for market entry and the definition of an adequate business plan as well as identification of funding opportunities.

□ Potential users and purpose(s)

Innovators with interest in introducing a new product or service into the market. In particular, innovators aiming to understand their market, develop their business, and reach clients and investors, whose innovation will address climate adaptation.

The MAF+ (or Business Development programme as a whole) could be incorporated into a new research project (not necessarily focused on climate adaptation) and adapted accordingly to support commercialisation efforts, i.e. upcoming research projects are also a target audience.

Since the MAF+ is an open tool, small business consultancies and/or recently formed incubators and accelerators could also benefit from it.

Lastly, coordinators of academic programmes (e.g. master programmes) could be interested in including the use of the MAF+ as part of their curriculum. Ecologic Institute is currently in talks with a University in Albania who has already expressed their interest.

- Barriers and risks

Competition with other initiatives or companies providing services related to business development support.

- Partners roles, rights and responsibilities

According to BRIGAIID's Consortium Agreement, all partners who have contributed to the products included in the BDA are co-owners. The tools for creating the spider graph (and the respective questions posed) are IP of The Funding Company, and the MAF+ is the IP of the Ecologic Institute. The European maps of market attractiveness were developed by I-CATALIST, Ecologic Institute, KU Leuven and TU Delft.

Climate Innovation Window (CIW) – climateinnovationwindow.eu

The Climate Innovation Window aims to become a reference EU portal for innovations improving resilience to extreme climatic events. It is accessible to all stakeholders (innovators, risk managers, policy and decision makers, industry, investors) to view innovations, test results and performance according to the TIF, and (to add new) user experiences or support through the MAF+ and/or the PPIF.

- Potential users and purpose(s)

The main identified users of the CIW at the moment are the innovators (121 innovations already included into the CIW). However, there is an agreement to try to expand the potential users of the CIW through a series of actions in the frame of the development of 'BRIGAIID Inc.' (see section 3.4).

- Barriers and risks

The main barrier identified is the need for further development and/or the maintenance costs to make it commercially viable. Ideas are being explored on how to obtain additional means to further developed the CIW including through collaboration with a third party, the Water Window, which has expressed an interest in further developing the CIW.

- Partners roles, rights and responsibilities

According to BRIGAIID's Consortium Agreement, all partners in WP7 who have contributed to the CIW development are co-owners, led by ICA as WP7 leader. The exploitation of the CIW is intended to be supported through the activity of Communities of Innovation (coordinated in BRIGAIID by ICA), the further improvement of the technical platform (developed by ICRE8) and the pitch deck training program (developed by LOR).

New knowledge

This is currently described into the BRIGAIID deliverables (e.g. new scientific knowledge, best practices, etc). Many of BRIGAIID partners (in particular academia partners and end-users organisations) are actively exploiting this knowledge through open-access publications or presentations at academic conferences or training and dissemination events. These exploitation actions have a scientific purpose (e.g. further use of our results in further research) and social purpose (use in education and training).

In terms of policy-support purposes, the final results and the new knowledge generated will also be shared with policy audiences through policy briefs and the organisation of a policy-focused event in Brussels.

3.2.2. Exploitable results - Exploiting BRIGAIID as an integrated offer

Although the individual exploitation of BRIGAIID methods, tools and knowledge remains a possibility, BRIGAIID was ideated to provide integral support to innovators:

1. Although most of BRIGAIID methods and tools can be considered as standalone tools, BRIGAIID was conceived with the aim of supporting the improvement of technological, social, and market readiness of innovations as well as their market outreach in an integrated manner. Additional support is provided by other methods and information generated in the project, e.g. market attractiveness maps, Communities of Innovation facilitation methodologies or marketing and pitch deck design program.
2. The TIF and the BDA have being designed to be (in part) stand-alone self-assessment tools (although it is advised to run the proposed exercises through a guided process to achieve the full potential of these tools and get the most value from their application). As a consequence, there is a range of potential options for the exploitation of these tools, varying from a commercial service provided by expert consultants to an open product to be directly utilised by innovators although under the monitoring of an external expert. This requirement of external support facilitates the integration of services.
3. Finally, networking, end-user involvement and integration with other initiatives are central issues for the successful exploitation of BRIGAIID project results. In relation to this, there are several links and interactions between the different activities included in the BRIGAIID integrated approach, which enable a stronger, more comprehensive and more effective support to those innovations going through all the sequential steps proposed by BRIGAIID.

Taking all this into account, we think that BRIGAIID offers most value as an integrated bundle i.e. whole worth more than the sum of its parts. Accordingly, we are currently focused on exploring how best to identify BRIGAIID as integrated offer. We are at present exploring two key options:

Option a: Submission of a proposal to the Call launched by Climate-KIC for 2019-2020 ([Call to Action](#)).

Climate-KIC (directly supported by the European Institute of Innovation and Technology – EIT) is undoubtedly the key player in Europe in the field of supporting climate innovation. In the last months, BRIGAIID Coordinator and several partners have been in close contact with Climate-KIC

representatives for the identification of options to collaborate with the Climate-KIC network and get their support for the further development and potential exploitation of BRIGAIID. As a result, we have identified the possibility to submit a proposal to the ongoing Call 2019-2020 launched by Climate-KIC. The planned core of this proposal is to scale up the Climate Innovation Window to a large integrated European platform covering climate disaster innovations, providing support (through the use of the tools developed in BRIGAIID) and promoting deployment. Sustainability, further development and maintenance of this integrated European platform are to be safeguarded. Through strengthening Communities of Innovations (End-users and Innovators) in a first group of countries through hands-on workshops operational use of the platform and tools would be fostered. In close cooperation with Climate-KIC partners the network would be strengthened throughout Europe and new Col's would be established.

Option b: Creation of a joint venture for the direct exploitation of BRIGAIID methods and tools as a “one stop shop” bundle package providing direct support to the development of innovations related to climate change adaptation. This option is further explained in section 3.3.

3.3. BRIGAIID Inc.: a potential ‘one-stop shop’ for supporting the development of climate innovation

The interaction with a broad number of innovators and end users is proving that BRIGAIID is useful as an integrated offer to support the development of innovations improving resilience against extreme climatic events. However, the commercial exploitation of the tools and knowledge developed throughout BRIGAIID remains a big challenge. To explore this option, a core team of BRIGAIID partners has been discussing (including regular telcos, and a 2 day workshop meeting in Delft¹) on how to articulate this commercial exploitation. As a consensus solution, it has been agreed to explore the option of creating a joint venture (still unnamed and referred in this document as ‘BRIGAIID Inc.’) for the exploitation of BRIGAIID results in an integrated manner.

The results of this thinking and testing are presented below, which outlines the context for BRIGAIID Inc., the value it (could) offer, beneficiaries and potential revenue streams, and next steps. A summary of this information has been produced as a brochure (see Annex 3).

¹ On the 9th and 10th of July, several partners in the BRIGAIID program met in Delft for two consecutive days of brainstorming and strategizing about the future exploitation of the tools and procedures developed during the BRIGAIID programme, and WP6-7 in particular, under the working title of BRIGAIID Inc. During the first day, a condensed and adapted version of the BRIGAIID Business Plan Workshop sessions were led by TFC, resulting in a preliminary overview of the core values offered by the BRIGAIID partners, potential clients, (unvalidated) revenue models, possible organisational structures and a rough Business Model Canvas. During the second day, these ideas were presented to the project coordinator, who was able to visit in the morning and provide some feedback on the initial ideas. These were then further crystalized during the second day, along with defining the most important next steps in order to make the concept ‘market ready’. This section presents a summary of the results of this internal workshop.

3.3.1. Challenge

Climate adaptation innovations too frequently fail to reach the market and have an impact. Often, climate innovators (scientists, engineers, architects, social scientists, technology developers) lack the access to testing facilities, entrepreneurial skills, network and visibility to bridge the valley of death that lies between a great idea and an impactful innovation. Climate innovators face even greater challenges than other innovators, as their innovations often benefit society (rather than private actors) and deliver benefits further into the future (rather than today) – making them less attractive to investors and the free market.

This means less successful businesses in Europe, fewer high quality jobs, and lower incomes. It also means more exposed citizens and businesses to the impacts of climate change which are starting to be felt. In short, Europe and the world are less ready to adapt to the expected increase in climate-related disasters, including forest fires, floods, droughts, extreme weather – which in 2016 wreaked more than €20 billion in damage in Europe alone.

3.3.2. Core Value Proposition

As a solution to the abovementioned challenge, the core value proposition of the BRIGAIID exploitation has been distilled to three interconnected core benefits: “Transforming and Uplifting talented Climate adaptation innovators into entrepreneurs, connecting them to a network of potential end-users and experts and thereby improving disaster resilience throughout Europe.” Conceptualized in the following figure as a 3-step process:

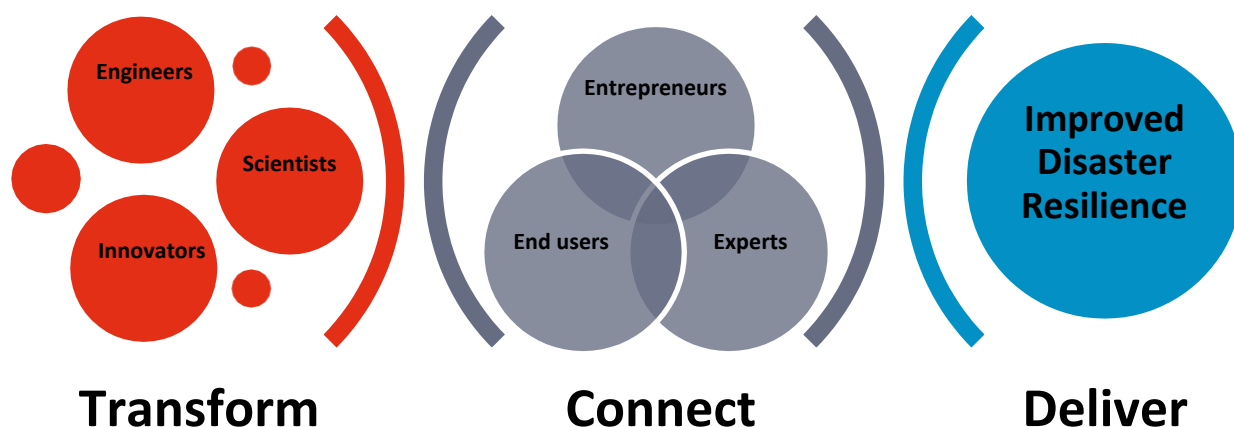


Figure 22. Core value proposition for BRIGAIID exploitation

As a ‘**one-stop-shop**’ for supporting climate adaptation innovations, we help innovators to evolve into entrepreneurs and **connect** them with end-users and experts to **deliver** improved disaster resilience. This will include the following activities:

**Innovation
development
support**

**Network +
Visibility**

- **Business Development Tools:** provide online tools for innovators to develop their innovation: the BRIGAID MAF+ (market analysis tool), BRIGAID PPIF (finance and funding support), online pitch deck training,
- **Coaching:** in-person business development and innovation testing support
- Testing **technical and social readiness** of the innovations through BRIGAID TIF (testing tool).
- Access to **testing facilities** and **expert support** (e.g. Flood-proof Romania)
- **Online visibility** through www.climateinnovationwindow.eu
- **Network:** Linking innovators to each other and with end-users and experts to facilitate co-creation, financing, and implementation of innovations
- **Events** to showcase excellent innovators and facilitate communities of innovation for the co-development of solutions in collaboration with end-users
- **Expert access:** Providing climate adaptation and business expertise, drawing on the BRIGAID Inc. network and the BRIGAID project experience

Table 5. BRIGAID Inc. 'one-stop shop'

3.3.3. Organisational Structure and roadmap

The goal for the "BRIGAID Inc." project is to become a separate, self-sustaining, entity, as a type of 'joint venture' by all, or a subset of, the partners present during these meetings, possibly in cooperation with additional BRIGAID partners (WP5 in particular).

The most discussed form this collaborative entity could take is a [European Economic Interest Grouping](#) (EEIG), an entity under EU Law to ease the collaboration of companies from differing EU-member states. The most likely structure would be for the entity to contain the core activities of the new entity (Networking, events, visibility platform), with some of the more specialized, HR-intensive services (coaching, business development support, climate expertise, testing) being 'outsourced' to the participating partners.

The planned roadmap for achieving this is the following, with July 2019 being M0:

- M0-M3: Further development of Business Case and exploitation plan, including revenue model and prognoses, in alignment with Climate-KIC BRIGAID proposal (to be submitted - Option A).
- M0-M8: Improving the pillars to be more 'battleground ready', piloting the event structure during the final months of BRIGAID, designing a unified brand, heating up the network, etc. (See section 3.4.7 for details).

- ☐ M8-M24: Transitional phase, which would require some support from external funders: Working on further developing the structure of the entity and establishing the EEIG.
- ☐ M24 - onwards: Establishing the entity.

3.3.4. Beneficiaries and (potential) Target Customers

As the most important beneficiaries of the values that “BRIGAID Inc.” will be able to deliver the following groups have been identified:

- Innovators
- Research & Innovation projects (Horizon 2020/ Horizon Europe)
- Innovation Agencies (e.g. Innovation quarter)
- Investors
- European Investment Bank/ European Bank for Reconstruction and Development

These beneficiaries were linked with the relevant core offerings of “BRIGAID Inc.”, resulting in the following table:

Benefits/characteristics	Target audiences					
	Innovators	R&I H2020	Innovation agencies	Investors	EIB / EBRD	University
Overarching: An integrated climate adaptation innovation incubation system (“One-stop-shop”)						
Transform						
Coaching						
Business development tools						
Expertise						
Connect						
Network						
Events						
‘Digital visibility’ (e.g. CIW, social media)						
Access to testing facilities						

Table 6. Link between target audiences and BRIGAID Inc.’s core value proposition

Importantly, the categories described above mark our assumptions on the core “beneficiaries” of each product. This does not necessarily equate to customers, since, for example, innovators are

not expected to be willing to pay at this moment for most of these services, although these could become attractive if further developed on the end user/market/client side. The following section describes some of the possible revenue structures that have been discussed, which should be validated in the near future.

3.3.5. Potential sources of revenue

Different beneficiaries will value BRIGAIID Inc. for different reasons, which will open up different sources of revenue:

- EU Commission: During the establishment phase of BRIGAIID Inc. – and due to the positive externalities it generates – public support will be justified. This could come as a lump-sum payment (e.g. via Horizon Europe or Climate-KIC projects, or other public contract) or a contribution to core funding.
- Innovators are cash-strapped, so will initially be attracted to BRIGAIID Inc. by our free online business development tools, online visibility, and network. However, we firmly believe that some will be willing to pay for in-person business development and testing expertise as a means to accelerate the development of their solutions while reducing the risk of failure.
- Horizon 2020 projects/Public innovation agencies will contract BRIGAIID Inc. as proven one-stop-shop for climate adaptation innovation support and dissemination, and to participate in network events.
- End users (e.g. regional or national governments, water boards, cities and large municipalities) will participate in events to find innovative solutions to their climate resilience challenges.
- Others: Investors, universities, and others will also benefit indirectly, but will be difficult to monetize.

These revenue models might be complementary, or some might not be attainable at all. One of the most important next actions is the verification of the assumptions, and proper definitions of the business model.

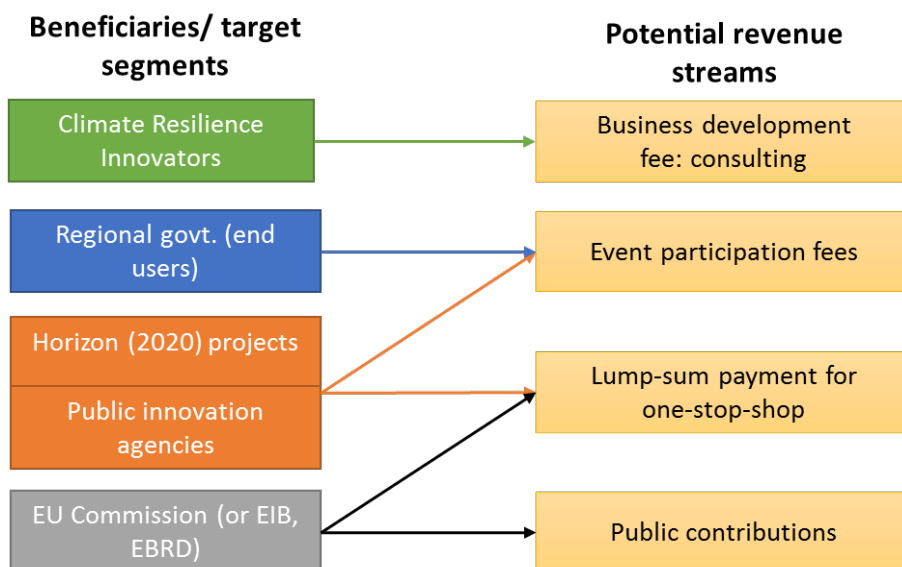


Figure 22. Examples of assessment information provided in BRIGAIID's business plans.

3.3.6. Possible partnerships

Before having established the self-sustaining 'battleground ready' entity, some partners may be of use to help us "Bridge the gap". These are listed here:

- Climate-KIC BRIGAIID Project
 - Potentially, "BRIGAIID Inc" could connect to the project as a pillar, focused on Business Development, complementing the other pillars already present.
- Water Window
 - Interested in an influx of new innovative solutions which are not just water related or only focused on The Netherlands, i.e. shift to climate change adaptation, and might be interested in having a more international network as well.
- Potential other sources of funding:
 - International Climate Initiative (IKI)
 - Fast Track to Innovation (FTI)
 - Other public funds
 - Sponsors

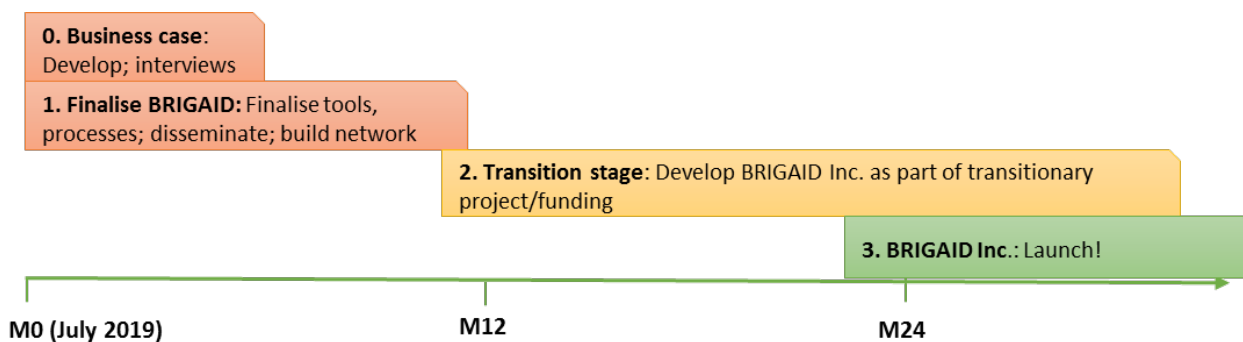
3.3.7. Next Actions

In the shorter term, a series of actions (and partners responsible to implement each action) have been agreed, which include preparation of this draft exploitation plan and its discussion with EC advisors and project reviewers, the formulation of a strong marketing message on the value of the integrated package, the further development and validation of the business model through

MAF-exercises and interviews, and the realisation of interviews to relevant actors in our business model.

In the medium term, a series of actions are planned to improve our core activities to be “Battleground-ready”, including coaching, business development tools, expertise, networking, organisation of events, increase of visibility of potential customers and beneficiaries, and access to testing facilities.

All these actions contribute to the final exploitation plan to be included in the final report of BRIGAIID project, which shall establish our final plan to go through the transition stage and achieve the launch of BRIGAIID Inc.



Annex I. Summary of dissemination and communication activities in the reporting period (M28-M40)

1. Organisation of a Conference
2. Organisation of a Workshop
3. Press Releases
4. Non-scientific and non-peer-reviewed publication (popularised publication)
5. Exhibition
6. Flyer
7. Training
8. Social Media
9. Website
10. Communication campaign (radio, and TV)
11. Participation in a Conference
12. Participation in a Workshop
13. Participation in an Event other than a Conference or a Workshop
14. Video/Film
15. Participation in activities organized jointly with other H2020 projects
16. Brokerage event
17. Pitch Event
18. Trade Fair
19. Other
20. Dissemination and exploitation of results scientific publications

BRIGAIID Dissemination and communication activities from October 2018- August 2020

1. Organisation of a Conference

N ^a	Description	Where	When	Partner responsible	Target audience ¹	Nr. of people reached
1	1 st BRIGAIID Conference	Venice, Italy	9-10 November 2017	All	Innovators, end users, policy makers, researchers, civil society	Around 45 internal Brigaid and 15 from outside
2	2 st National Meeting on the Progress and Continuity of the BRIGAIID Project in Albania	Tirana, Albania	5 June 2018	AKPT/NTPA (National Territorial Planning Agency) Albanian BRIGAIID partner	Representatives of line ministries; Representatives of public and private universities; Representatives of non-profit organizations; Representatives of companies related to research and innovation, as well as research scientists and students	Around 50 guests
3	2nd BRIGAIID Conference.	Bucharest, Romania	13-14 June 2019	Civil Engineering University of Bucharest, Romania NAAR, Romania	Cesena –Faculty of Psychology and Education Innovators, end users, policy makers, researchers, civil society Official opening of the Flood Proof Romania Polder, 14th of June at Facau, Giurgiu	Around 100 guests
4	3rd BRIGAIID Meeting on the Progress and Continuity of the BRIGAIID Project in Albania	Tirana, Albania	24-25 Oct 2019	AKPT/NTPA (National Territorial Planning Agency) Albanian BRIGAIID partner	Innovators, end users, policy makers, researcher, civil protection, universities	30 internal Brigaid and 50 from outside
5	Virtual BRIGAIID Conference	Delft, Virtual	25 June 20	Delft		

¹ [Scientific Community (higher education, Research)] [Industry] [Civil Society] [General Public] [Policy makers] [Medias] [Investors] [Customers] [Other]

BRIGAIID Dissemination and communication activities from October 2018- August 2020

2. Organisation of a Workshop

N ^a	Description	Where	When	Partner responsible	Target audience	Nr. of people reached
1	BRIGAIID event for end users in the Netherlands	Delft, the Netherlands	15 th June 2017	TU Delft, HKV	Potential end users from the Netherlands	
2	Disaster Loss Working Group	Brussels, Belgium	6-nov.-17	UCL	Members of DRR National platforms that represent different stakeholder interests and focal points; Technical experts on loss data; Organisations contributing to loss data collection and reporting at local, regional, national, EU and international level, including those from the private sector.	50
3	BRIGAIID Business Development Approach workshop (WP6)	Ecological Water Management, Netherlands	2, 3 October 2017	TFC	Ecological Water Management	
4	BRIGAIID Business Development Approach workshop (WP6)	GReD offices, Lomazzo, Italy	18-19 January 2018	TFC	GReD	4 actively in the workshop, 7 in total
5	End-user meeting: presentation of BRIGAIID	Delft, Deltares office	31 January 2018	TUD	Dutch Contractors and consultants	25

BRIGAIID Dissemination and communication activities from October 2018- August 2020

6	Workshop “BRIGAIID Project Innovations and Meteorology, or vice-versa”	Hotel Plaza, Tirana, Albania	23 March 2018	AKPT/NTPA (National Territorial Planning Agency) Albanian BRIGAIID partner	Department of Civil Emergencies in the Municipality of Tirana; Representatives of private and public universities (Faculty of Civil Engineering, Faculty of Natural Sciences, Faculty of Mathematical Engineering and Physical Engineering, Epoka University; Academy of Sciences; Water Resources Agency (former STKKU); Tirana Water Supply and Sewerage Company; Research scientists, companies interested in project innovations	38
7	BRIGAIID Business Development Approach workshop (WP6)	Hemel(s)water offices, Utrecht, the Netherlands	26-27 March 2018	TFC	Hemel(s)water	1
8	BRIGAIID Business Development Approach workshop (WP6)	Delft, The NL	9, 10 April 2018	TFC	TubeBarrier	
9	BRIGAIID Business Development Approach and market outreach (WP6 and WP7)	Instituto Superior de Agronomia, Lisbon, Portugal	18 th April 2018	TFC, ECO, ICA, LOR, HKV	Innovators	
10	End Users event in Portugal	Mafra, Portugal	20 April 2018	ISA, HKV, ALL	Innovators, end users, urban planners, policy makers, researchers.	60-70

BRIGAIID Dissemination and communication activities from October 2018- August 2020

11	BRIGAIID Business Development Approach workshop (WP6)	Venice, Italy	17, 18 May 2018	TFC	Thetis	
12	Special Session 119 Special Session 219: Collaborative thinking and collective intelligence to reflect on actionable science for and from Africa, Europe, Asia and Latin America	Adaptation Futures 2019 Cape Town, South Africa	18-21st June 2018	ICATALIST	Researchers, practitioners, other non-EU projects related to climate change adaptation from Africa, Latin America and Asia	
13	BRIGAIID Business Development Workshop	Delft, The Netherlands	30-31 July	TFC, ECO	Field Factors	
14	Project clustering workshop : Challenges for Climate resilience Innovation and Communities of Innovation	Cartagena, Murcia, Spain	17th October 2018	ICATALIST, FW	Innovators, end users, researchers, funders	
15	BRIGAIID's Innovation-End User Event & Marketplace on Extreme hazards in semi-arid regions.	Cartagena, Murcia, Spain	19th Oct 2018	FW, ICATALIST	Innovators, end users, urban planners, policy makers, researchers	
16	Technology and data needs for accelerating disaster risk reduction	Rome, Italy	21-23 Nov 2018	UCL	Policy makers, Academia, Regional and National Governments	TBD

BRIGAIID Dissemination and communication activities from October 2018- August 2020

17	BRIGAIID Business Development Workshop	Turin	November 2018	TFC , ECO	WaterView	
18	BRIGAIID Business Development Workshop	Delft, Holland	13, 20 Nov 2018	TFC, ECO	HKV	
19	BRIGAIID Business Development Workshop	Genoa	November 2018	TFC, ECO	Artys	
20	BRIGAIID Business Development Workshop	Tirana, Albania	22 Feb 2019	TFC, ECO	Albania Alert	
21	BRIGAIID Business Development Workshop	Tirana, Albania	20 Feb 2019	TFC, ECO	ArboDroughtStress	
22	BRIGAIID Business Development Workshop	Barcelona, Spain	February 2019	TFC, ECO	HAZUR	
23	Workshop for the BRIGAIID Col Water Boards Netherlands.	Delft, Holland	14 February 2019	TuDelft, STOWA (Foundation for Applied Research on Water Management)	Water Boards Netherlands	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

24	BRIGAIID Business Development Workshop	Rhenen, The Netherlands	11-12 March 2019	TFC, ECO	SolarDew	
25	Greenroof day: Afternoon: Inspiratiedag Multifunctionele Daken voor Professionals (dissemination event about smart greenroof, to professionals) Evening: Dromen over Daken (dissemination event about smart greenroof, to citizens)	Antwerp, Belgium	11 June 2019	KU Leuven	Professionals and citizens	150
26	BRIGAIID Business Development Workshop	Bucharest, Romania	25-26 June 2019	TFC, ECO	Aquaproject I: Water+ Furrow Diker	
27	2 Pitch Deck Workshops	Bucharest, Romania	25 June 2019	LOR, ICATALIST	BRIGAIID Conference attendees	
28	BRIGAIID Business Development Workshop	Delft, The Netherlands	9 + 10 July 2019	TFC, ECO	BRIGAIID Inc.	
29	Aquaproject organized a workshop were invited to be informed about the two	SCDVV Murfatlar, Romania	26 July 2019	AquaProject	agricultural specialists	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	technologies that can be applied for the use of rainwater in drought conditions.					
30	BRIGAIID Business Development Workshop	Berlin, Germany	12 + 13 August 2019	TFC, ECO	DeltaConsideration	
31	PAS Water innovation	Bilbao, Spain	20-22 August 2019	ICATALIST	ICATALIST, BC3	
32	BRIGAIID Business Development Workshop	Madrid, Spain	4 + 5 Sep 2019	TFC, ECO	ICATALIST: PAS-WATER	
33	BRIGAIID Business Development Workshop	Vienna, Austria	25 + 26 September 2019	TFC, ECO	Aquaproiect II: Dike Failure Action Plan	
34	PAS Water Innovation- Impluvium	Valladolid, Spain	16/17 Oct 2019	ICATALIST	Water company, city authority, innovation agency	
35	BRIGAIID Business Development Workshop	Madrid, Spain	5 + 6 Nov 2019	TFC, ECO	iCatalist II: AUDIMOD	
36	BRIGAIID Workshop	Tirana, Albania	23 Oct 2019		BRIGAIID Professionals and BRIGAIID actors	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

37	"An afternoon with BRIGAIID actors – Huddling in Albania"	Tirana, Albania	23 October 2019	AKPT	Innovators, end users, researcher, policy makers	Approximately 60 attendants
38	BRIGAIID Business Development Workshop	Berlin, Germany	11 + 12 Nov 2019	TFC, ECO	4billion	
39	BRIGAIID – Innovations	Iasi, Romania	26 November 2019	UTCB	Local Romanian Water Administration Urban water administrators Environment Protection Agency	28
40	BRIGAIID Business Development Workshop	Alicante, Spain	16-17 December 2019	TFC, ECO	FutureWater: InfoSequia	
41	BRIGAIID Business Development Workshop	Alicante, Spain	18-19 December 2019	TFC, ECO	SingularGreen	
42	PAS Water innovation	Valladolid, Spain	29th January 2020	ICATALIST	Water company, city hall, school department	
43	PAS Water + Field Factors	Delft, Netherlands	6-7th February 2020	ICATALIST, Field Factors	Icatalist and FieldFactors	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

3. Press releases:

	Description	Where	When	Partner responsible	Target audience	Number of people reached
1	<p>Installation of Green roof at Antwerp. We reached:</p> <p>VRT Flanders' television News: https://www.vrt.be/vrtnws/nl/2017/11/09/maak-kennis-met-het-intelligente-groendak/</p> <p>Regional TV of Antwerp: https://atv.be/nieuws/video-eerste-intelligente-groendak-van-het-land-ligt-in-antwerpen-51526?utm_content=buffer5c259&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer</p> <p>Other websites:</p> <p>http://www.vilt.be/intelligent-groendak-tegen-klimaatverandering</p> <p>https://www.beweging.net/antwerpen/nieuws/35-nieuwsberichten/2693-eerste-intelligent-groendak-van-het-land-ligt-in-antwerpen</p> <p>https://tellmemore.media/wat-is-een-slim-groendak/#gossip</p> <p>http://www.gva.be/cnt/dmf20171109_03178031/eerste-intelligent-groendak-ligt-in-antwerpen</p> <p>http://m.nieuwsblad.be/cnt/dmf20171109_03178041?origin=app</p> <p>http://www.architectura.be/nl/nieuws/17933/eerste-intelligente-groendak-van-het-land-ligt-in-antwerpen</p>	Belgium – Flanders region	9 Nov. 2017	KU Leuven	Public	<p>TV1 News, ATV News, newspapers</p> <p>Het Laatste Nieuws & Het Nieuwsblad & several online sites:</p> <p>Approx. 2 000 000 people</p>
2	Brigaid Conference	Italian press agencies	Nov 2017	Thetis		
3	Technical risk evaluation of the TIF	JFRM	Not Yet	TU Delft		
4	<p>New about the Demo event of EVAPO-CONTROL at the UPCT's Experimental Station in Cartagena, Spain.</p> <p>https://evapocontrol.com/evapocontrol-finaliza-los-ensayos-de-producto-siguiendo-los-protocolos-y-herramientas-trl-y-tif-de-brigaid/</p> <p>https://evapocontrol.com/evapo-control-obtiene-el-sello-de-excelencia-horizon-2020/</p> <p>http://www.upct.es/destacados/cdestacados.php?c=6&ubicacion=general&id_buscar=9509</p>	Regional newspapers and social media	July 2018	FUTURWATER		
5	<p>News about HYDROVENTIV “smart green roof”, two events were organized:</p> <p>https://atv.be/nieuws/video-stad-voorbereiden-op-piekneerslag-en-hittegolven-60947</p>	Belgium – Flanders region	11 June 2018	KU Leuven in cooperation	Public & Professionals	ATV TV News, Newspapers and

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	https://www.gva.be/cnt/dmf20180611_03556548/minder-kans-op-overstromingen-dankzij-intelligent-groendak https://www.gva.be/cnt/dmf20180611_0355672/groendaken-hadden-oppervlakte-overstromingen-in-antwerpen-met-derde-verminderd https://www.demorgen.be/wetenschap/groendaken-hadden-overstromingen-in-antwerpen-met-derde-verminderd-ba51e962/ https://stadslab2050.be/klimaatadaptatie/klimaatrobuuste-daken/redt-het-groendak-antwerpen-van-de-zondvloed			with the City of Antwerp		several on-line sites : Approx. 1 000 000 people
6	Dossier Bouwbeurs Bis 2018 attached to newspaper bij De Standaard, “Kersen op de taart”, p.17: interview with Vincent Wolfs, researcher KU Leuven, about smart green roof	Newspaper De Standaard	5 Oct 2018	KU Leuven (V.Wolfs)		Newspaper
7	Related to a master thesis at KU Leuven on the BRIGAIID smart green roof and other blue-green solutions mitigating the effects of urban floods, because the master thesis by Daan Bertels & Lars Janssen was nominates for the Scription Price Flanders (Vlaamse Scriptieprijs): Regional TV: ATV, “Scriptie over wateroverlast in Antwerpen genomineerd voor Vlaamse Scriptieprijs”: https://atv.be/nieuws/video-scriptie-over-wateroverlast-in-antwerpen-genomineerd-voor-vlaamse-scriptieprijs-70277	Belgium – Flanders region		KU Leuven	Public	ATV TV News
8	Related to a master thesis at KU Leuven on the BRIGAIID smart green roof and other blue-green solutions mitigating the effects of urban floods, because the master thesis by Daan Bertels & Lars Janssen was nominates for the Scription Price Flanders (Vlaamse Scriptieprijs): Newspaper: Gazet Van Antwerpen, “Groendaken en waterpleinen tegen wateroverlast”, p.11;	Belgium – Flanders region	20 Dec 2018	KU Leuven	Public	Newspaper
9	Related to student project work by Bachelor students at KU Leuven on the BRIGAIID smart green roof and other blue-green solutions mitigating the effects of urban floods: Regional TV: ROB, “Ingenieursstudenten KU Leuven: Wij willen voortrekkers worden in Vlaanderen”; https://www.nieuwsblad.be/cnt/dmf20181219_04046868 (see the last part of the video on the urban flood solutions)	Belgium – Flanders region	19 Dec 2018	KU Leuven		ROB TV News, Newspaper
10	interview about BRIGAIID project: https://tu-delft.foleon.com/tu-delft/staff-magazine/roelof-moll/	TU Delft magazine	March 2019	TU Delft Roelof Moll		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

11	Web article about BRIGAIID project on the basis of a conference talk given by Ezra Orlofsky, MIGAL https://www.greenprophet.com/2019/04/the-plant-that-transforms-wastewater-into-clean-water/	GreenProphet Website	May, 2019	Migal	General public	
12	Comments about Brigaid Conference, Bucharest, Romania https://fotob.agerpres.ro/foto/detaliu/12579317 https://fotob.agerpres.ro/foto/detaliu/12579339	Romania News Agency AGERPRES website	June 2019	Ion Bica		
13	'Dutch' field lab helps Romania against the effects of flooding. BRIGAIID Conference, Bucharest, Romania https://www.tudelft.nl/en/2019/technology-transfer/dutch-field-lab-helps-romania-against-the-effects-of-flooding/	press release by TU Delft	17 June 2019	TU Delft	General Public	
14	Local Newspaper press release (https://bit.ly/2IOOCGE) about BRIGAIID innovation for agroindustrial wastewater treatment	Kiryat Shemona and Upper Galilee Newspaper	June, 2019	Migal	General Public and farmers	
15	http://apele-romane.ro/ro/article/a-avut-loc-deschiderea-polderelor-de-testare-flood-proof-romania-din-cadrul-proiectului-b-r-i-g-a-i-d http://revistaverde.ro/2019/06/14/deschiderea-polderelor-de-testare-flood-proof-romania-din-cadrul-proiectului-b-r-i-g-a-i-d/ http://informatiadegiurgiu.ro/facau-judetul-giurgiu-proiect-de-78-mil-euro-fonduri-nerambursabile-alocate-prin-programul-horizon-2020-implementat-de-abav-impreuna-cu-delft-university-of-technology-olanda/ https://apanaoatra.ro/metode-utilizate-in-lupta-impotriva-inundatiilor?fbclid=IwAR13CvtX7j6Z_TJLmYeichqW52bLuvrqHawEyBH-l3Mu4r_qmzC2uPJsrkE	NAAR Giurgiu-Net.ro Ministry of Enviroment, Water and Forests Informatia de Giurgiu.ro Revista Verde.ro	14 June 2019	NAAR	General Public	

BRIGAD Dissemination and communication activities from October 2018- August 2020

	https://giurgiu-net.ro/archives/67897?fbclid=IwAR1oJ5urxNnIH0a-7uIBfyhJHQ01orektlRL9q84U9Xu0rp1FSRGW5087Ug					
16	Article published in "Research people and current tasks on multidisciplinary sciences" regarding: "Research on the design of technical equipment for soil modeling in interrupted furrows for weeding crops".	LOZNEC-BULGARIA,	12-15 June 2019	Aquaproject		
17	Article "Considerations on mechanically active equipment for opening interrupted furrow used in technology of hoeing plan cultures, fruit and vine plantations"	Acta Technica Convinienis-Bulletin of Engineering, Tome XII,	January-March	Aquaproject		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

4. Non-scientific and non-peer-reviewed publication (popularised publication)

	Authors	Name	Date	Partner responsible	Target audience	Nr of people reached
1	B. Van Hoeyveld, V.Wolfs, P.Willems	"Intelligent groendak wapent steden tegen klimaatverandering"	22 November 2017	KU Leuven	KU Leuven staff and alumni	300 000
2	BRIGAIID "BRIdging the Gap for Innovations in Disaster Resilience", a 4-Year project under EU Horizon2020 (2016-2020)	Congress Exhibition_ Abstracts Book	26 November 2017	AKPT/NTPA (National Territorial Planning Agency) Albanian BRIGAIID partner	Researcher; Engineer; Students; Institutions; Public and Private Universities; Etc.	
3	P.Willems	"Innovaties klimaatadaptatie" (innovaties climate adaptation)	January 2018	KU Leuven	VLARIO members = urban water sector in Flanders region of Belgium	5000
4	Marta Rica & Manuel Bea	Guest article at SDG knowledge Hub: The EU's BRIGAIID Climate Innovation Window: A Bridge towards SDG Achievement	February 2018	ICATALIST	General Public, International Institute for Sustainable Development (IISD) followers	
5	Marta Rica, Manuel Bea & Elena López Gunn	Article in WeAdapt online platform: The Climate Innovation Window : bridging the gap between innovators and end-users in resilience to floods, droughts and extreme weather	Feb 2018	ICATALIST	WeAdapt followers (practitioners, researchers and policy-makers interested on climate change adaptation issues)	
6	Ezra Orlofsky, Simon Chernoiyanov, Iggy Litaor	Treatment of Sodium component in Dairy-farm wastewater with Zeolite-Halophyte Wetlands. <i>Water Engineering</i> 114 (pgs 18-20)	March, 2018	MIGAL	Hebrew Language Journal for water engineers	1000+

BRIGAIID Dissemination and communication activities from October 2018- August 2020

7	Marta Rica, ICATALIST	News on Climate Adapt: The Climate Innovation Window: platform for innovators, investors and end-users	April 4th 2018	ICATALIST, THETIS	Followers of The European Climate Adaptation Platform (CLIMATE-ADAPT)	
8	Marta Rica	Explanation of BRIGAIID's project on IAGUA website	20 July 2018	ICATALIST	Followers of The IAGUA website	
9	Bas Jonkman	Article in myclimateservices.eu : https://myclimateservices.eu/news-1/2018/10/12/brigaid-getting-innovations-in-disaster-resilience-on-the-market	19 Oct 2018	TuDelft		
10	Bica I., L. Tucan,	Infrastructura verde – o soluție bazată pe natură pentru gestiunea apelor pluviale. (Green Infrastructure – a nature-based solution for rain water management) Revista RomAqua, anul XXIII, nr.2/2018, vol. 117, ISSN 1453 – 6986,	Bucharest, 2018	UTCB	Regional Water Infrastructure Operators, Romania Members of Romanian Water Association - ARA	100
11	Bica, I., Gaitanaru D.,	BRIGAIID – a mix of methodologies for practical implementation of the innovations in climate changes mitigation. Revista RomAqua, anul XXIII, nr.5/2018, vol. 117, ISSN 1453 – 6986, Bucuresti, 2018.	Bucharest, 2018	UTCB	Regional Water Infrastructure Operators, Romania Members of Romanian Water Association - ARA	100
12	Bica, I., L. Tucan.	Introducere în folosirea infrastructurii verzi pentru gestiunea apelor urbane, (An	Bucharest, 2018	UTCB	Academics, universities	120

BRIGAI Dissemination and communication activities from October 2018- August 2020

		introduction in the usage of green infrastructure for urban water management) Revista Hidrotehnica. Nr. 3/2018, vol. 63, ISSN 0439-0962, pg. 22-27,			Specialists in Water management National Administration of Romanian Waters	
13		https://www.viawater.nl/community/brigaid-market-analysis-framework-maf-a-free-online-tool-to-develop-your-business-and?platform=hootsuite	January 2019			
14	P.Willems	"Climate change & water resources: call for smart climate adaptation strategies & innovations", Article in EWA Yearbook 2019, European Water Association	2019		Members of the European Water Association (EWA)	
15	Colaço, C., Dias, S., Nunes, L., Rego, F.	BRIGAI: projecto europeu apoia inovações que aumentam a resiliência às alterações climáticas (2016-2020) Magazine - Voz do Campo http://vozdocampo.pt/2020/01/30/brigaid-projecto-europeu-apoia-inovacoes-que-aumentam-a-resiliencia-as-alteracoes-climaticas-2016-2020/	january 2020	ISA/CEABN	Farmers, professionals, experts, general public	10.000

BRIGAIID Dissemination and communication activities from October 2018- August 2020

16	Colaço, C., Dias, S., Lopez Gunn, E.	DRMKC Newsletter: Report on the Horizon 2020 BRIGAIID Project's Wildfires Community of Innovation (Col)	2020	CEABN/ICATALIST	Professionals, experts, general public	
17	Roelof Moll	Myclimateservices.eu: https://myclimateservices.eu/en/news/smart-innovations-water-management-cities-2	june 2020	TuDelft	Professionals, experts, general public	
18		Research Article: Biological reconditioning of sodium enriched zeolite by halophytes: case study of dairy farm effluent treatment https://www.tandfonline.com/doi/abs/10.1080/15226514.2020.1799932?journalCode=bijp20	08 august 2020		Professionals, experts, general public	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

5. Exhibition

	Description	Where	When	Partner responsible	Target audience	Nr. of people reached
1	Acquacampus Test Field	Budrio (Bologna, Italy)	November 2017 and March 2018	UNIBO (Consorzio del Canale Emiliano-Romagnolo – CER)	Students, farmer, local water boards, stakeholders	About 200
2	Site tour with Prof. Park Ho-Dong, Department of Environmental Sciences, Shinshu University, Japan (referred by Horiba)	Kfar Blum, Israel	14.02.2018	MIGAL	Researcher in cyanobacteria toxins	1
3	Danube Eastern Europe Regional Water Forum 2018	Bucharest, Romania	14-16.May 2018	UTCB	Water Infrastructure Operator, Researchers, Designers	500
4	ARIEL innovation Test Field	Spain	06. 2018			
5	HYDROVENTIV “smart green roof” 2 events were organized : https://brigaid.eu/brigaid-community-of-innovation-easme-visits-the-greenroofs-project-in-antwerp	Antwerp	11.06.2018	KU Leuven in cooperation with the City of Antwerp and our Col	for experts / professionals & general public	150
6	MASHAV International Agricultural Training Center course visit to agro-industrial wastewater recycling site, participants from 10 South American countries	Kfar Blum, Israel	12.06.2018	Migal	Water resource management experts	30
7	Staff members of EASME of the EC visited the HYDROVENTIV “smart green roof”	Antwerp	18.06.2018			Around 50

BRIGAIID Dissemination and communication activities from October 2018- August 2020

8	A visit to the smart greenroof at Antwerp was also organized as part of The urban flood evaluation tool tested for BRIGAIID in order to upscale the effect of clusters of innovations was presented at the following international conferences	Antwerp	11.10.2018	KU Leuven contributed together with VLARIO & RIONED: Rioned/Vlario Workshop on climate adaptation and urban drainage,		200
9	Environmental Sciences student's tour at agro-industrial wastewater recycling site	Kfar Blum, Israel	18.10.2018	Migal	College Students in 1st year Env. Science program	40
10	COST European cooperation in Science and Technology Site professional tour to agro-industrial wastewater recycling site	Kfar Blum, Israel	18.2.2019	Migal	Experts/professionals and interested laymen	50
11	Exhibition and poster at Science Day Fair	Qiryat Shmona, Israel	14.3.2019	Migal	General public, grade school children	100
12	"Brigaid Conference in Bucharest" was held and the two soil modeling machines were presented at the Exhibition	Facau, Romania	14.06.2019	Aquaproject		
13	Exhibition of a poster at ECCA 2019 – European Climate Change Adaptation Conference. ``Bridging the investment gap in flood risk management and climate resilient urban development``	Lisbon, Portugal	28.05.2019	ISA		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	https://www.ecca2019.eu/wp-content/docs/ECCA-2019-conference-book.pdf (page 199)					
14	Professional tour of Ministry of Agriculture, Head of Dairy and Cattle dept to agro-industrial wastewater recycling site	Kfar Blum, Israel	06.06.2019	Migal	Regulators, experts	10
15	Danube Eastern Europe Regional Water Forum 2019	Bucharest, Romania	23 – 25 September 2019	UTCB	Water Infrastructure Operators, Researchers, Designers	600
16	Innovation Fair for Climate change innovators “Research and Innovation in Support of the Fight Against Natural Disasters”	Tirana, Albania	24 October 2019	BRIGAIID & AKPT	Albanian innovators and innovations of Brigaid project	100 participants
17	Exhibition of a poster at EU Water Innovation Conference #EUWIC	Zaragoza, Spain	11-12 Dec 2019	Elena Lopez Gunn (ICATALIST) Conceição Colaço (ISA)		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

6. Flyer

	Description	When	Partner responsible	Target audience	Nr. of people reached
1	Flyer for the Conference in Venice https://d1rkab7tlqy5f1.cloudfront.net/News/2017/10_October/TU%20Delft/Flyer%20Venice%20conference.pdf	November 2017	LOR, ICA	Innovators, end users, project partners	40
2	Flyer for Romanian Water Conference, 15-17 May, 2018, Bucharest Romania	May 2018	UTCB	Water management operators, water administration specialists, dealers of water equipment	120
3	Third call for innovation https://brigaid.eu/wp-content/uploads/2018/06/BRIGAIID_DISS_MAT_CALL_FOR_INNOVATIONS_LEAFLET_PRINT_20180601.pdf	June 2018	LOR	Innovators	
4	Recent earthquake a reason to innovate https://issuu.com/brigaidalbania.akpt/docs/fletepalosje_per_termetet_2_	25.07.2018	NTPA/AKPT	Innovators; Researcher; Institutions; Students.	17
5	Call for innovation: New ideas for to face flood events https://issuu.com/brigaidalbania.akpt/docs/fletepalosje_per_permbytjet	12.07.2018	NTPA/AKPT	Innovators; Researcher; Institutions; Students.	19
6	Call for innovation: Flood, an indicator to be consider https://issuu.com/brigaidalbania.akpt/docs/fletepalosje_per_permbytjet http://planifikimi.gov.al/index.php?eID=dumpFile&t=f&f=4073&token=ca64305e1daf852f945afe352a92a57a72e16cb1	12.07.2018	NTPA/AKPT	Innovators; Researcher; Institutions; Students.	49
7	Flyer for the Conference in Cartagena	October 2018	LOR, ICA	Innovators, end users, project partners	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

8	Flyer for the Conference in Romania	May 2019	LOR, ICA	Innovators, end users, project partners	
9	Third Sustainability Summit by UN SDSN and the Economist	16-17 Oct 2019	ICRE8	high-profile academics, innovators, politicians, policy makers and civil society stakeholders in the South-East Europe and the Mediterranean	600
10	Researcher's Night Event	27 Sept 19	ICRE8	Researchers	50
11	Within the exhibition from INDAGRA in Bucharest-Romania were given flyers with the technical parameters of the two equipments, photos and memory sticks with films during the experiments.	30.Oct.19-03.Nov.19	Aquaproject		
12	Flyer for the Conference in Albania	23-25 Oct 19	LOR,ICA	Innovators, end users, project partners	
13	Flyer BRIGAIID INC	2020	ECO,LOR,NTAP/ AKPT, TFC, ICA, ICRE8, HKV	Innovators, end users, project partners	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

7. Training

	Description	Where	When	Partner responsible	Target audience	Nr. of people reached
1	Students training “Approaches to learning outside the classroom from flooding in Albania, 2017” In early December, Albania was involved in an emergency situation from floods. Many areas in Albania were affected by the damages caused due to the riverine floods, we can mention: Vjosa River, Ishëm-Erzen River.	Vjosa River Ishëm-Erzen river	Field trip 22.01.2018- 25.01.2018 Office work 25.01.2018- 31.01.2018	NTPA	Students; Common people; Responsible persons from municipalities that coordinated emergency situations in the regions; Mayor of the village;	About 200 interviewed persons
2	Lecture at Dutch Ministry of Infrastructure and Water	The Hague, Netherlands	24 April 2018	Bas Jonkman, TUDelft		50 civil servants
3	Students training/workshop BRIGAIID and TuDelft University “Flooding: Public city vs Private Intervention” The training was organized on behalf an invitation from the Professor Fransje Hooimeijer.	Tirana, Albania	26- 30 April 2018	NTPA	Dutch Students and Albanian Students; Common people; Representative of Tirana Municipality; Expert of UNLAB and professor of TuDelft University	22 Students, 3 experts 2 professors, Around 10 people asked during site visit
4	Lecture on the Human Ecology and social problems Master in NOVA University in Lisbon about forest fires, climate change and research projects that can help to mitigate forest fires problem (BRIGAIID included)	Lisbon – Faculty of Social and human sciences	15 May 2018	Conceição Colaço (ISA/CEABN)	Master students	15 students 2 professors
5	Open class (Lecture) on the Rural studies Master in ISCTE University in Lisbon about “Forest Fires: Can we have a sustainable forest?” a small presentation of BRIGAIID was included	Lisbon – ISCTE University school	16 May 2018	Conceição Colaço (ISA/CEABN)	Master Students and general public	20 students and general public 1 professor
6	Lecture on the Psychological Aspects of Climate Change and Mitigation Action, Master in School and Community Psychology University in Bologna about “The risk perception and risk communication as drivers to promote	Cesena – Faculty of Psychology and Education	28 Nov 2018	Prof. Pietrantonio UNIBO	Master Students	40 students and 2 researchers

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	community response through social and technological innovations” (BRIGAIID included).					
7	BRIdging the GAp for Innovations in Disaster resilience HORIZON 2020, GA 700699, A European Project for climate changes adaptation. Doctoral School - UTCB (conference/debate).	UTCB Bucharest	27 November 2018	Ioan Bica - UTCB	Students of UTCB doctoral school	38
8	Lecture on an high school about "A Água e as suas utilizações no atual contexto de alterações climáticas" where one of the main topics was about the importance of innovations to optimize and reduce the use of water in a climate change context.	Lisboa, Escola Secundária Pedro Nunes	2 April 2019	Conceição Colaço (ISA/CEABN)	High School students (from 14 to 18 years old.	100
9	Open lecture at Epitech University of Tirana, a private university oriented in Innovation and technology. Brigaid was presented to the students of first and second year; to take their attention and to stimulate student ideas to innovate related climate change issues. In this lessons a full and detail description of the climate innovation windows, was given.	Epitech. University, Tirana	10.April.2019	NTPA/ Nensi Lalaj	Students of first and second year	20
10	BRIdging the GAp for Innovations in Disaster resilience HORIZON 2020, GA 700699, A European Project for climate changes adaptation. Doctoral School - UTCB (conference/debate).	UTCB Bucharest	19 November 2019	Ioan Bica - UTCB	Students of UTCB doctoral school	28

BRIGAIID Dissemination and communication activities from October 2018- August 2020

8. Social Media

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached
1	Facebook account: Brigaid/Albania AKPT	Tirana, Albania	4 July 2017	NTPA/AKPT	Researcher; Public Institute; Universities; Students; etc.	300
2	Twitter account: BRIGAIID_Albania	Tirana, Albania	02.08.2017	NTPA/AKPT	Researcher; Public Institute; Universities; Students; etc.	50
3	LinkedIn account: BRIGAIID Albania AKPT	Tirana, Albania	02.08.2017	NTPA/AKPT	Researcher; Public Institute; Universities; Students; etc.	100
4	Many Twitter messages, e.g. about the smart green roof installation & the different BRIGAIID events	Continuous		KU Leuven (P.Willems)	Own Twitter network	About 300
5	LinkedIn, Twitter, Google+ Thetis	Continuous		Thetis		
6	Twitter	Continuous		FutureWater		Not quantified
7	Smart Phone App for IRRIFRAME	All year around		UNIBO through the National Association for irrigation consortiums ANBI	Farmers and irrigation boards	Not quantified
8	Article about BRIGAIID newsletter http://www.icre8.eu/brigaid-h2020-project-progress-and-innovations		March 2018	ICRE8	General Audience	Not quantified

BRIGAIID Dissemination and communication activities from October 2018- August 2020

9	Campaign about Brigaid final call for innovators on RINA Twitter account @RINA1861	Italy, UK, USA, Turkey, Brasil, Canada, Germany, Greece, United Arab Emirates, India	20 June 2018 15 August 2018	RINA C	Industry, scientific community, general public	Followers of RINA account: 1150 Impressions: 1520 Link clicks: 6 Engagement rate: 2%
10	LinkedIn account: Ioan Bica	Continuous	June 2018	UTCB	Academics, Water Management Specialists, Environment Specialists	41 likes
11	Campaign about Brigaid final call for innovators on ICATALIST Twitter & LinkedIn account And others Brigaid messages about the project		Continuous	ICATALIST	Industry, scientific community, general public	Followers of ICATALIST Twitter & LinkedIn account
12	Facebook ISA/CEABN account –dissemination of BRIGAIID’s activities in Portugal and of BRIGAIID’s call for innovation	Continuous	Since the beginning of the project 2016	ISA/CEABN	Followers on facebook (general public)	Around 600 followers
13	Facebook and twitter non-official account from the National Institute of Industrial Property	Sept 2017 July 2018		ISA/CEABN (sending the information to the National Institute of Industrial Property)	Followers on facebook and general public	Around 800 followers
14	Updates on BRIGAIID on Twitter and Facebook: CRED Twitter and Facebook accounts	Continuous		UCL	Policy Makers and Academia	1000
15	Webs where call is published: https://www.errin.eu/news/brigaid-opens-third-and-last-call-innovations-deadline-15-august-2018			ICATALIST, HKV, Thetis, Future Water, TUDelft	Innovators	Not quantified

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	https://www.rina.org/en/media/news/2018/06/20/brigaid-call-for-innovators http://europa2020.emprenemjunts.es/?op=8&mp;n=16620 https://www.iagua.es/noticias/icatalist/brigaid https://ec.europa.eu/easme/en/news/open-call-innovations-climate-adaptation https://climate-adapt.eea.europa.eu/news-archive/brigaid-call-for-innovations-on-climate-adaptation-and-disaster-resilience Distribution through Climate-L newsletter					
16	Article about Cartagena's BRIGAIID project meeting: https://www.futurewater.es/2018/10/successful-brigaid-project-meeting-in-cartagena-spain-nl-es/	Continuous	29.10.2018	Future Water	general spanish public	Not quantified
17	Using Green Infrastructure and Urban Planning in Flood Mitigation. https://www.researchgate.net/project/BRIGAIID-Bridging-the-Gap-for-Innovations-in-Disaster-Resilience-H-2020-2016-2020	Continuous	6.12.2018	Research Gate – Ioan Bica	Researchers	45 reads
18	Call for innovators for WP6		July 2018	TFC	Innovators	Ca. 50 reads
19	Call for innovators in Facebook account		August 2018	ISA/CEABN	Innovators	Not quantified
20	Call for innovators for WP6		March 2019	TFC (multiple posts)	Innovators	>200 reads
21	Linkedin, Facebook, Research gate	Sporadic	2017-2019	Ezra Orlofsky- Migal	Researchers and general public	82 reads on research gate, 877 friends on FB ,

BRIGAID Dissemination and communication activities from October 2018- August 2020

						130 connections on LinkedIn
22	Twitter: BRIGAID Dissemination of the TIF Tool		May 2018	ICATALIST	Innovators, researchers and general public	
23	ICATALIST Youtube: Brigaid Dissemination Video		May 2020	ICATALIST	general public	

9. Website

	Description	When	Details	Partner responsible	Target audience	Nr. of people reached
1	Info in the website of the 4TU Resilience initiative: https://www.tudelft.nl/en/ceg/research/stories-of-science/brigaid-solutions-for-extreme-climate-events/	Published on August 2016		TU Delft		Not quantified
2	Official website of AKPT, section BRIGAID http://planifikimi.govall/index.php?id=57		There is a section related with BRIGAID project in the official website of the National Territorial Planning agency. The section has information about BRIGAID, opens call, events, materials, even a stakeholders map sections	NTPA/AKPT	Stakeholders Public institute; Interested people regarding the innovations; Etc.	Not quantified
3	Article on the KU Leuven news site:	9 Nov. 2017	Web article announcing the smart greenroof innovation at Antwerp	KU Leuven	KU Leuven staff member,	About 100

BRIGAIID Dissemination and communication activities from October 2018- August 2020

	https://nieuws.kuleuven.be/nl/2017/intelligent-groendak-maakt-steden-weerbaarder-tegen-klimaatverandering				alumni and larger network	
4	Infographic prepared by VRT news: https://www.vrt.be/vrtnws/nl/2017/11/09/wat-is-eeen-slim-groendak/	9 Nov. 2017	Infographic about our smart green roof innovation at Antwerp	KU Leuven	Public	Hard to assess; few 100 000's people?
5	Specific sheet on Climate Innovation Window	Jan 2018	EU CLIMATE-ADAPT PLATFORM	Thetis		Not quantified
6	Hydrogeochemistry Lab website describing BRIGAIID project for agro-industrial wastewater recycling	May 2017 (update March, 2018)	Website describing the Lab and project activities. http://www.migal.org.il/Hydrogeochemistry_lab_Onsite_Remediation	MIGAL	General Public	unknown
7	https://www.irriframe.it/Irriframe	All year around	Web site of the IRRIFRAME national service (see also http://climateinnovationwindow.eu/innovations/irrinet-irriframe)	UNIBO through the National Association for irrigation consortiums ANBI	Farmers and irrigation boards	Not quantified
8	News Brigaid final call for innovators on RINA website: https://www.rina.org/en/media/news/2018/06/20/brigaid-call-for-innovators	20 June 2018	Countries reached: Italy, Spain, UK, Thailand, Belgium, Brazil, China, France, Hong Kong	RINA C	Industry, general public	39 visitors
9	Official website of ICATALIST	Continuous	There is a section related with BRIGAIID project in the website	ICATALIST	General Public & Industry	Not quantified

BRIGAIID Dissemination and communication activities from October 2018- August 2020

10	Official website of AKPT, section BRIGAIID http://planifikimi.gov.al/index.php?id=57		There is a section related with BRIGAIID project in the official website of the National Territorial Planning agency. The section has information about BRIGAIID, opens call, events, materials, even a stakeholders map sections	NTPA/AKPT	Stakeholders Public institute; Interested people regarding the innovations; Etc.	Not quantified
11	Official website of L'ORANGERIE		There is a section related with BRIGAIID project in the website	L'ORANGERIE	General Public & Industry	Not quantified
12	ERRIN official website: https://www.errin.eu/news/brigaid-opens-third-and-last-call-innovations-deadline-15-august-2018	Continuous	There is a section related with BRIGAIID project in the website	ERRIN	General Public & Industry	Not quantified
13	Section about BRIGAIID project in ISA/CEABN website	Since the beginning of the project in 2016 (ongoing)	On the official website of ISA/CEABN research centre there is a section with the presentation of BRIGAIID. Within the same website there is a section devoted to news and events. The innovations call and some events of BRIGAIID happening in Portugal are announced on that section.	ISA	Researchers, stakeholders, interested people on the subject, general public.	Not quantified
14	News Brigaid final call for innovators on RINA website: https://www.rina.org/en/media/news/2018/06/20/brigaid-call-for-innovators	Published on 20 June 2018	Countries reached: Italy, Spain, UK, Thailand, Belgium, Brazil, China, France, Hong Kong	RINA C	Industry, general public	39 visitors

BRIGAIID Dissemination and communication activities from October 2018- August 2020

15	Official website of The Funding Company (https://www.thefundingcompany.nl)	Continuous	There is a section related with BRIGAIID project on the website (https://thefundingcompany.nl/brigaid/)	TFC	Industry, General Public	Not quantified
16	Official website: www.oliveoiltimes.com	Published on 14 January	There is a section related with BRIGAIID project non selected https://www.oliveoiltimes.com/olive-oil-business/the-honey-olive-grove-a-sustainable-solution-in-spain/66416	Innovator Javier Dominguez	Industry, General Public	Not quantified
17	Balamis (innovator's webpage)		https://www.balamis.com/about/		Industry, General Public	Not quantified
18	News about EVAPO-CONTROL (innovator's webpage)	18 June 2018	https://evapocontrol.com/evapocontrol-finaliza-los-ensayos-de-producto-siguiendo-los-protocolos-y-herramientas-trl-y-tif-de-brigaid/ 24/10/2018 - https://evapocontrol.com/jornada-brigaid-innovation-end-user-event-on-extrem-hazards-in-semiarid-regions/		Industry, General Public	Not quantified
19	News about EVAPO-CONTROL (innovator's webpage)	20 July 2018	https://evapocontrol.com/presentacion-oficial-de-evapocontrol-para-evitar-la-evaporacion-del-80-por-ciento-del-agua-almacenada-en-balsas-de-riego/		Industry, General Public	Not quantified
20	Article about the 3 Call for Innovators	Published on 26 July 2018	https://www.icatalist.eu/blog-icatalist/brigaid-busca-innovadores-por-el-clima	ICATALIST	Industry, General Public	Not quantified

BRIGAIID Dissemination and communication activities from October 2018- August 2020

21	Centro Ecologia Aplicada Website: News about the Call for innovators	August 2018	http://www.isa.ulisboa.pt/ceabn/content/1/305/projecto-brigaid-abre-ultima-fase-candidaturas-para-inovacoes	ISA/CEAB N	Innovators	Not quantified
22	ICATALIST website	27 Dec 2018	Article on Brigaid's conference in Cartagena https://www.icalist.eu/blog-icalist/brigaid-cartagena-meeting-supporting-innovation-with-brigaid	ICATALIST	Industry, General Public	36 views
23	Canale Emiliano Romagnolo website	March 2019	There is a section about ``The experience of Irriframe and Acqua Campus innovations in irrigation systems across Italy`` http://www.consorziocer.it/it/n/the-experience-of-irriframe-and-acqua-campus-innovations-in-irrigation-systems-across-italy/		Industry, General Public	Not quantified
24	WeAdapt website	June 2019	Article about the the Policy Brief TIF https://www.weadapt.org/knowledge-base/disasters-and-climate-change/assessing-an-innovations-social-and-technical-readiness	ICATALIST	Industry, General Public	
25	Info about the BRIGAIID Conference in Bucharest. Opening ceremony of the Flood Proof Polder in Facau: 'Dutch' field lab helps Romania against the effects of flooding	17 June 2019	https://www.tudelft.nl/en/2019/technology-transfer/dutch-field-lab-helps-romania-against-the-effects-of-floodin	TU Delft	Public	
26	Produced Press Release `` Support to Climate Resilient Cities and Infrastructures 2018 Event``	24-25 June 2019	Issue Wire: https://www.issuewire.com/europes-answer-for-climate-resilient-cities-an... Renewable Energy World: http://finance.renewableenergyworld.com/pennwell.renewableenergy/news/re...	CBD	Industry, General Public	Not quantified

BRIGAIID Dissemination and communication activities from October 2018- August 2020

			<p>Business Insurance: http://markets.financialcontent.com/crain.businessinsurance/news/read/38... Live News Views: https://www.livenewsviews.com/2019/06/25/europes-answer-for-climate-resi... Financial Content: http://markets.financialcontent.com/stocks/news/read/38467831 Value Investing News: http://quotes.valueinvestingnews.com/fatpitch.valueinvestingnews/news/re.. Live Hour 360: https://www.livehour360.com/2019/06/25/europes-answer-for-climate-resili... Your Digital Wall: https://yourdigitalwall.com/2019/06/25/europes-answer-for-climate-resili... Global News Bee: https://www.globalnewsbee.com/2019/06/25/europes-answer-for-climate-resi... Intelliupdate: https://www.intelliupdate.com/2019/06/25/europes-answer-for-climate-resi... Post&Mail: http://business.thepostandmail.com/thepostandmail/news/read/38467831 PrimePressWire: https://www.primepresswire.com/2019/06/25/europes-answer-for-climate-res... </p>			
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10. Communication campaign (radio, and TV)

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached
1	New and ban of Venice Brigaid conference	From 3 nov 2017	www.thetis.it	Thetis		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

2	Onda Regional de Murcia (ORM): 10-min interview to Sergio Contreras in the radio programme 'Campo y Vida' by Fernando Vera Topic: On the general aim and objectives of BRIGAIID, and the annual meeting event held at Cartagena	20.10.2018	https://drive.google.com/file/d/1AnfiukCzyOdLMhc682IzeJ2Xdlzv6MRZ/view?usp=sharing https://www.orm.es/programas/campoyvida/campo-y-vida-20-10-2018/	FUTUREWATER	Regional Level (Murcia region)	
3	Installation of Green roof at Antwerp on VRT Flanders' television News & on the Regional TV of Antwerp	9 Nov. 2017	VRT Flanders' television News: https://www.vrt.be/vrtnws/nl/2017/11/09/maak-kennis-met-het-intelligente-groendak/ Regional TV of Antwerp: https://atv.be/nieuws/video-eerste-intelligente-groendak-van-het-land-ligt-in-antwerpen-51526?utm_content=buffer5c259&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer	KU Leuven	Public	Approx. 1000 000 people
4	Interview on Radio2 radio show about the BRIGAIID innovation "Water from Heaven / Hemelswater"	April, 2018	http://radioplus.be/#/radio2antwerpen/herbeluister/46b884f6-3726-11e4-b85a-00163edf75b7/54dec3d8-4469-11e8-8728-02b7b76bf47f/	KU Leuven	Public	
5	News about HYDROVENTIV "smart green roof" on ATV regional TV	11 June 2018	https://atv.be/nieuws/video-stad-voorbereiden-op-piekneerslag-en-hittegolven-60947	KU Leuven in cooperation with the City of Antwerp	Public	
6	Related to a master thesis at KU Leuven on the BRIGAIID smart greenroof and other blue-green solutions mitigating the effects of urban floods, because the master thesis by Daan Bertels & Lars Janssen was nominated for the Scription Price Flanders (Vlaamse Scriptieprijs): on ATV regional TV	19 Dec 2018	https://atv.be/nieuws/video-scriptie-over-wateroverlast-in-antwerpen-genomineerd-voor-vlaamse-scriptieprijs-70277	KU Leuven	Public	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

7	Related to student project work by Bachelor students at KU Leuven on the BRIGAIID smart greenroof and other blue-green solutions mitigating the effects of urban floods: on ROB regional TV	19 Dec 2018	https://www.nieuwsblad.be/cnt/dmf20181219_04046868 (see the last part of the video on the urban flood solutions)	KU Leuven	Public	
8	Radio Interview (Hebrew) about BRIGAIID project for agroindustrial wastewater treatment https://bit.ly/2YenmoH (min 14:00-24:00)	Galilee farmers Radio	June 24, 2019	Migal	Farmers	

11. Participation in a conference

	Description	When	Where	Partner responsible	Target audience	Nr of people reached
1	European Climate Change Adaptation conference (ECCA): Co.organization of Special session on Guidance for EU and national bodies in identifying options for innovative solutions to increase resilience co- organised with PLACARD project and in cooperation with H2020 projects RESIN, EU-CIRCLE and RESCCUE	8th June 2017	Glasgow	Marco Hartman, HKV	Academics, business, industry, NGOs, local government, communities and policy makers	500
2	Porto Water Innovation Week (oral presentation and display of dissemination materials in a booth)	September 2017	Porto, Portugal	ICATALIST, KHV	Innovator,s End users, General water and professionals	200/300

BRIGAIID Dissemination and communication activities from October 2018- August 2020

3	7th International Conference on Flood Management (ICFM7) at Leeds (UK)	September 5 th -7 th, 2017	Leeds, UK	Bas Jonkman, Bas Kolen, Jantsje van Loon (TUDelft), Elena Lopez-Gunn (ICATALIST)	Scientists and policy makers	Around 40 people
4	International conference on economics, business trends and technology (ICEBBT 2017) Representatives of the BRIGAIID project in Albania, Mrs. Nensi Lalaj and Mrs. Eljana Zenaj participated in the International Conference on Economics, Business Trends and Technologies (Conference ICEBTT2017), organized by the Canadian Institute of Technology, on 02 November 2017.	02.11.2017-03.11.2017	Canadian Institute of Technology (CIT) Tirana, Albania	NTPA/AKPT	Professor of Canadian Institute of Technology; Professor of University Pavarësia, Vlorë, Albania; Private companies; Researcher and Students.	30
5	Western Balkan Waste Solution Representatives of the BRIGAIID project in Albania, Mrs. Nensi Lalaj and Mrs. Eljana Zenaj participated in the Congress-Exhibition titled “Western Balkan Waste Solution”, organized by G&G Group and Klik Expo Group, on 24-25 November 2017.	24-25 Nov. 2017	At the Palace of Congresses, Tirana, Albania	NTPA/AKPT	Representatives of public and private universities; Representatives of the Ministry of Environment and Tourism; Representatives of private companies exercising activities in environment consultancy; Representatives of private companies for the construction of waste disposal sites, as well as companies exercising activities in the fields of environmental technology and innovation; Non-Profit Organizations; Students, etc.	100

BRIGAIID Dissemination and communication activities from October 2018- August 2020

6	Panel presentation and discussion “Innovation and Research – What are the newest innovations and research in relation to retrofitting SUDs” at Water Resilient Cities Conference	4 October 2017	Mechelen, Belgium	KU Leuven	Experts in urban water management and planning, members of the Interreg project Water Resilient Cities	200
7	8th National Forest Congress (Oral presentation and poster about BRIGAIID and innovations)	10-14 October 2017	Viana do Castelo (Portugal)	ISA/ CEABN	Foresters, researchers, policy makers	200
8	Presentation on Integrated Tools for Crisis Management made at the event "Name of the Event/Action associated to the Dissemination activity L'emergenza – La Prevenzione e la Gestione"	16 October 2017	Turin (IT)	RINA-C	Policy Makers, First responders, Civil Protections, Media	Around 150
9	Amsterdam International Water Week 2017	31 October 2017	Amsterdam, Netherlands	Bas Jonkman (TUDelft) and Marco Hartman (HKV)	Scientific community, industry, civil society, policy makers, investors	
10	Presentation “Climate change & water resources: call for smart climate adaptation strategies & innovations” at 13th EWA Brussels Conference: Recent Developments in EU Water Policy	6-8 November 2017	Brussels	KU Leuven	Water Policy experts, members of the European Water Association (EWA)	50
11	Israel Water Association 2018- Water challenge 5.0	12 March.2018	Kfar Hamaccabia, Tel Aviv	MIGAL	Researchers, Policy Makers and Engineers (resulted in invitation to submit an article in a publication dedicated to dairy farmers)	200+

BRIGAIID Dissemination and communication activities from October 2018- August 2020

12	Presentation “Sirio: smart modelling for future proof rainwater systems” at Stormwater Poland 2018 Conference	15-16 March 2018	Gdansk	KU Leuven (V.Wolfs)	Stormwater experts in Poland	500
13	Oral Presentation “The potential of BRIGAIID’s Testing and Implementation Framework (TIF) as a tool to promote Nature Based Solutions”	10 April 2018	EGU conference Vienna	TU Delft (Jantsje M. van Loon-Steensma)	Scientists (Earth Sciences)	Ca. 50
14	A mix of methodologies for practical implementation of the innovations in climate changes mitigation. International Conference, Efficient Use and Management of Water 2018 Bucharest, Romanian Water Association, Danube –Eastern Europe Regional Water Forum	14-15 May 2018	Bucharest	Bica, I., Gaitanaru D.,	Scientists, water infrastructure operators,	60
15	H2020 Clustering Action “ <i>Transforming Cities, Enhancing Well-being: innovating with nature-based solutions</i> ”,	16th -18th May 2018	University of A Coruña (Spain)	ICATALIST	Representatives from the EC and other international institutions dealing with the funding, monitoring and evaluation of nature-based solutions	More than 200
16	BRIdging the GAp for Innovations in Disaster resilience HORIZON 2020, GA 700699, A European Project for climate changes adaptation. The Academy of Agricultural and Forestry Sciences	June 2018	Bucharest	Bica, I.,	Academics, specialists in water management, specialists in environment protection, specialists in soli sciences	24
17	XXXVI Congreso Nacional de Riegos de Valladolid.	5-8 June 2018	Valladolid, Spain	Bea, M and Lopez Gunn, E. (ICATALIST)	Farmers, irrigators, irrigation communities, public administration	500
18	Congress Heat Stress	25-jun.-18	's-Hertogenbosc	UCL	Regional & National governments, Regional and National Public Health	400

BRIGAIID Dissemination and communication activities from October 2018- August 2020

			h, Netherlands		Institutes, Academia, Private sector	
19	International conference “Protection and Restoration of the Environment XIV” On the 6 th , Chaired session: “Supporting Sustainable Development Goals Implementation using research”. presentation on “Technological bridges between research and practice: OpenAIRE SDSN-Greece Dashboard and Climate Innovation Window platform”	3-6 July 2018	Thessaloniki, Greece.	ICRE 8		
20	World Water Week. The ThirdEye (innovation developed by FutureWater and supported by BRIGAIID) was presented	Aug 9th, 2018	Stockholm	FutureWater		
21	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: ‘Water management: new challenges and new opportunities’, Seminar at Vietnam Academy for Water Resources,	16 Aug 2018	Hanoi, Vietnam	Wolfs, V., Willems, P		
22	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: ‘Intelligent control of river reservoirs’, Workshop “Establishing models for conservation and promotion of heritage values for sustainable tourism development in the area of Hoa Binh reservoir”,	20 Aug 2018	Hanoi, Vietnam	Wolfs, V., Willems, P		
23	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: ‘De toekomst van het Belgisch waterbeheer en beleid’, [op uitnodiging]	4 Sept 2018	Agoria, Antwerpen- Berchem,	Willems, P		
24	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: ‘Klimaatadaptatie & water’, De week van de duurzame gemeente - Heemparkfeest (thema Water) [op uitnodiging]	25 Sept 2018	Genk	Willems, P		

BRIGAIID Dissemination and communication activities from October 2018- August 2020

25	BRIdging the GAP for Innovations in Disaster resilience HORIZON 2020, GA 700699, A European Project for climate changes adaptation. Romanian Environment Association.	Sept. 2018	Bucharest	Bica, I.		
26	CLIMATE RESILIENT CITIES AND INFRASTRUCTURES 2018 FINAL CONFERENCE OF THE RESIN PROJECT, CO-ORGANISED BY THE RESCCUE PROJECT	Oct 9 2018	Marco Hartman	HKV		
27	Key-note speech on Second Sustainability Summit for south-east Europe and the Mediterranean	Oct 01-02 2018	Athens, Greece	Prof. Phoebe Koundouri (ICRE8) and by Roelof Moll on BRIGAIID (TUDelft).	International participants from a large variety of societal sectors, with keynote speeches	600
28	The BRIGAIID testing activities (smart greenroof and Antwerp living lab) were presented : 'Met welke kennis moeten we aan de slag?', Rioned/Vlario Studiedag over klimaatadaptatie – droogte en buien	11 Oct 2018	Antwerp	Willems, P.		
29	International Water Association 15th Specialized Conference on Small Water & Wastewater Systems	Oct 14-18, 2018 (accepted for presentation)	Technion, Haifa, Israel	MIGAL	Researchers, engineers, environmentalists, policy makers and water practitioners	300
30	DG Env EU Commission Working Group on Floods- presentation of BRIGAIID and NAIAD	16th October 2018	Brussels, Belgium	ICATALIST	Policy makers, member state representatives responsible for flood policy in their respective countries, NGOs.	
31	Anywhere – Presentation among other subjects about BRIGAIID and the importance of innovations for wildfire mitigation and prevention	nov 13-14 2018	Barcelona, Spain	Conceição (ISA/CEABN)	Stakeholders and ANYWHERE project partners	200

BRIGAIID Dissemination and communication activities from October 2018- August 2020

32	CLIMA 2018 – V Congresso Nacional sobre Alterações Clima	Nov 22- 23 2018	Faro, Portugal	Conceição (ISA/CEABN)	Students and stakeholders	80
33	BRIdging the GAP for Innovations in Disaster resilience HORIZON 2020, GA 700699, A European Project for climate changes adaptation. Doctoral School - UTCB (conference/debate).	Nov 2018	Bucharest	Ioan Bica		
34	The BRIGAIID testing activities (smart greenroof and Antwerp living lab) were presented: 'Impact van de klimaatverandering & duurzame adaptatiestrategieën - case Stad Antwerpen', NHV/NVBM symposium "Weer en water in de stad", [op uitnodiging]	23 Nov 2018	Wageningen,	Willems, P.		
35	International Symposium on GNSS 2018 (invited talk)	21-23 November 2018	Bali, Indonesia	GReD	Academics, industry, local government, policy makers	150
36	The BRIGAIID testing activities (smart greenroof and Antwerp living lab) were presented: 'Slim waterbeheer 2.0', Waterforum. [op uitnodiging]	30 Nov 2018	Gent	KU Leuven (P.Willems)		
37	Using Green Infrastructure and Urban Planning in Flood Mitigation. SCIENTIFIC CONFERENCE SGEM Vienna GREEN 2018. 18 th SGEM International Scientific Multidisciplinary Conference on EARTH and Geo Sciences.	Dec 3-6 2018	Vienna	Bica, I., L. Tucan.,		
38	The BRIGAIID testing activities (smart greenroof and Antwerp living lab) were presented: 'Pluvial urban flood hazard and emergency planning demonstration and replication cases overview', Climate-fit.city General Assembly.	Dec 11-12 2018	Prague	Willems, P., De Bruyn, E		
39	EKLIPSE Proof of Concept Conference and Workshop	Jan 23-24 2019				

BRIGAIID Dissemination and communication activities from October 2018- August 2020

40	The 13th Dahlia Greidinger International Symposium 2019: Sustainable Primary Food Production, Emphasizing Soli-Water and Environmental Conservation	4-6 March 2019	Technion, Haifa, Israel	Ezra Orlofsky-MIGAL		
41	World Bank Land and Poverty Conference, Session 11-09: Land and water governance. Presentation of AUDIMOD (innovation from ICATALIST)	28th March 2019	Washington DC, USA	E. López Gunn (ICATALIST)		
42	DRONITALY fair	4-5 April 2019	Milan, Italy	RINA		
43	European Geoscience Union 2019	7-12 April 2019	Vienna, Austria	GReD	Academics, business, industry, NGOs, local government, communities and policy makers	50
44	ESRI Italia Conference 2019	10-11 April 2019	Rome, Italy	GReD	Business, industry, local government and policy makers	50
45	EGU conference	8-13 April 2019	Vienna	Innovation AcquaCampus and Irriframe		
46	EUROPEAN CLIMATE CHANGE ADAPTATION CONFERENCE, ECCA 2019 Participation in the ``Exploitation in CCA & DDR – clustering and discussion`` & Participation in the ECCA Toolshed: BRIGAIID tools workshop.	29 & 30 May 2019	Lisbon, Portugal	E. Lopez Gunn (ICATALIST) M. Hartman (HKV), Conceição Colaço (ISA)		
47	Designing Climate Ecosystems Conference	26 June 2019	Royal Hall Nicosia, Cyprus	ICRE8	Business, education and research communities	150

BRIGAIID Dissemination and communication activities from October 2018- August 2020

48	Think Nature Session 8. Title: Communities of Innovation to support Natural Assurance Schemes for climate resilience. Joint session organised by H2020 BRIGAIID, Climate Kic "Act on NBS" and H2020 NAIAD	3rd October 2019	Bucharest, Rumania	Elena Lopez Gunn (ICATALIST)	Researchers, city officials, NGOs, state authorities, SMEs, etc.	
49	POWER conference: Presenting Brigaid and receiving a prize: Best practice" with the innovators Field Factors, hydroventiv and AKPTA Albania	10 Oct 2019	Brussels, Belgium	Elena Lopez Gunn (ICATALIST)	Innovators, EU officials, city leaders, EU institutions	
50	ANYWHERE final conference with a poster of BRIGAIID http://anywhere-h2020.eu/final-conference/	30 Oct 2019	Brussels, Belgium	Conceição Colaço (ISA)	Project Partners and for members of the Stakeholders' Board, private companies belonging to the Commercial Associates' Board, as well as for other invited organisations from various fields of civil protection and emergency management services.	214
51	IWA – ASPIRE, Smart Solutions for Water Resilience	31 October -2 November 2019	Hong Kong	Ioan Bica (UTCB)	Academics, business, industry, NGOs, local government, communities and policy makers	1000
52	Fire-Smart landscapes: creating fire resilient territories" (ORAL PRESENTATION) with the presentation: "Ao nível europeu, que inovações procuram promover a criação de paisagens mais resilientes aos incêndios florestais: O contributo do projecto BRIGAIID" - At the european level, which innovations promote the creation of fire resilient landscapes: project Brigaid contribution. -	08 Nov 2019	Portugal	Conceição Colaço (ISA)		

BRIGAD Dissemination and communication activities from October 2018- August 2020

53	Symposium "Proceeding of 2019 International Conference on Hydraulic and Pneumatics - HERVEX" : Presentation of the ``technology of furrow dike at sunflower" paper	13-15 Nov 2019	Baile Govora, Romania	Aquaproject		
54	Participation in the EIP Water Congress (EUWIC): Samoa circle. Discussing factors required to promote and upscale innovations for climate resilience and bring them to the market.	11-12 Dec 2019	Zaragoza, Spain	Elena Lopez Gunn (ICATALIST) Conceição Colaço (ISA)		
55	Presentation "Biological Renewal of Zeolite Substrate in Constructed Wetlands for Treatment of Agroindustry Wastewater: Case study of Dairy Farm"	27.2.2020	Hula Valley, Israel	MIGAL	Presentation to scientists regarding significance of findings	50

12. Participation in a Workshop

	Description	When	Where	Partner responsible	Target audience	Nr. of people reached
1	Presentation on "Resilience in Security Research"	13-14 September 2017	Brussels	RINA-C	Scientific Community (higher education, Research), Industry, Policy Makers	More than 250
2	Presentation at PLURISK Final Symposium "Forecasting and Management of Extreme Rainfall Induced Risks in the Urban Environment"	4 October 2017	Brussels	KU Leuven	Experts in rainfall and flood forecasting, and urban water management	80

BRIGAIID Dissemination and communication activities from October 2018- August 2020

3	Participation in “Synergies between Horizon 2020 and the EU structure and investment funds”	18th January 2018	Brussels	Elena López-Gunn (ICATALIST) & Alexandria Williams (UCL)		
4	“European programs for research and innovations” The workshop has in focus to disseminate the calls for research and innovations that Horizon 2020 published and how is the procedure for applying in these calls. The project that are going on, mentioning BRIGAIID.	01.02.2018	Polytechnic University of Tirana, Faculty of Civil Engineer	NTPA/AKPT	National agency of Research and Innovations; Representative of Geodesy Department in Faculty of civil engineer; Representative of ASIG (National Geoportal Authority)	30
5	Workshop about Forest Fire Defence. Talk about the role of meteorology in preventive actions and on fire behavior. Presentation of our innovation and of Brigaid project.	15 March 2018	Almada - Portugal	ISA/CEABN	Directors and Technicians from Portuguese Infrastructures Company	250
6	Presentation of the TIF at European Geosciences Union General Assembly	8-13 April 2018	Viena, Austria	Jantsje van Loon, TUDelft		
7	TAIEX Workshop on Building Capacity on Community Health Resilience	19-20 April 2018	Tirana, Albania	UCL	Local governments, Civil protection, Albanian Red Cross, Emergency Medical Services, National Institute of Public Health	40
8	EU-CIRCLE Dresden Case Study and Final Workshop	29th of August 2018	Dresden, germany	Ecologic Institute		
9	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented during the KEYNOTE: “Climate change impact analysis on urban rainfall: new developments” at the UrbanRain18 International Workshop on Precipitation in Urban Areas	5-7 Dec 2018	Pontresina, Switzerland	KU Leuven (P.Willems)	Urban hydrology experts	100

BRIGAIID Dissemination and communication activities from October 2018- August 2020

10	STOWA-BRIGAIID Workshop 'BRIGAIID: effective innovation in water management' FW presented 'InfoSequía: Drought Monitoring and Impact Assessment Toolbox' for the BRIGAIID Col Water Boards Netherlands (https://www.youtube.com/watch?v=XqHhH4n-cTs)	14 Feb 2019	Delft, The Netherlands	FUTUREWATER (Corjan Nolet, Sergio Contreras)	Water Boards Netherlands, and professionals in water management	

13. Participation in an Event other than a Conference or a Workshop

	Description	When	Where	Person and partner attending	Target audience	Nr. of people reached
1	Presentation "Betonstop & belang voor waterhuishouding: Naar een veerkrachtig (water)systeem" at Van Cauteren- Dutré Arenbergsymposium	29 November 2017	Leuven	KU Leuven, P.Willems	KU Leuven academical people & network	250
2	Presentation of BRIGAIID and of ISA/CEABN/IDL innovation at the AltoMinho FIRETREN in Paredes de Coura	17-24 November 2017	Paredes de Coura	Conceição Colaço (ISA /CEABN)	Certified Prescribed burning technicians	50

BRIGAIID Dissemination and communication activities from October 2018- August 2020

3	Seminar within IANUA-ISSUGE program (complementary formation program for Master Courses of UNIGE): “Disaster Risk Reduction & Climate Change Adaptation as opportunities for sustainable business”.	10 February 2018	University of Genoa (Genoa, Italy)	Lorenzo Facco and Carlo Strazza (RINA Consulting)	Master students	30
4	Presentation “Waterbeheer en klimaatverandering”, Warme Winteravonden Natuurpunt.CVN, Vrienden van Heverleebos en Meerdaalwoud vzw en Regionaal Landschap Dijleland vzw, 20 februari 2018	20 February 2018	Heverlee	KU Leuven, P.Willems	Local public and nature management experts	60
5	IPA DRAM NATIONAL TECHNICAL ALBANIA, “Roadmap to NDRA and Risk Mapping paired with Disaster Loss Data collection” organized by Department of Emergency in Albania and CIMA foundation.	26-27 Feb 2018	Tirana International Hotel	Nensi Lalaj- Project Manager of BRIGAIID project in Albania Eljana Zenaj- Project Assistance of BRIGAIID project in Albania	Project Manager of CIMA Foundation; Director of Civil Emergency Department; Ministry of Infrastructure and energy; Ministry of Defence; National Geoportal Representative of The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH; Expert; Representative of Universities.	20
6	Final Public hearing “Tirana Green city”, organized by Tirana Municipality. The main of this public meeting was to present the plan and how Tirana city is going to change related to infrastructure, efficiency energy solution, public space, green terraces, etc.	9 March 2018	Tirana International Hotel	Nensi Lalaj- Project Manager of BRIGAIID project in Albania Eljana Zenaj- Project Assistance of BRIGAIID project in Albania	Representative of European Bank; Representative of Tirana Municipality; Private companies; Experts related with interested issues regarding Tirana Plan, Civil society.	90
7	Presentation “Over natjes en droogjes in de Westhoek” at the info-evening on climate change and water availability in the Westhoek area of Flanders, Belgium	22 March 2018	Diksmuide	KU Leuven, P.Willems	Regional stakeholders & local public	250

BRIGAIID Dissemination and communication activities from October 2018- August 2020

8	EIT Climate-KIC's "Building green, resilient cities" matchmaking event on March 21 in Utrecht.	21 March 2018	organised by Climate KIC Utrecht	Varsha Ramlal Muck de Roij The Funding Company	Innovators working on nature based solutions in cities	Around 30 people present
9	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: Climate change & water resources: call for smart strategies and innovations improving disaster resilience', EWA Conference "Resilience of the Water Sector" Session 4 Urban flooding and climate change - Smart strategies and responses [invited keynote lecture]	16 May 2018	IFAT, Munich	Willems, P.,		
10	Participate in International scientific symposium "Waste Treatment and the challenges ahead"	17-18 May 2018	Tirana, Albania Hotel Mondial	NTPA/AK PT	Representative of environmental Engineering Department, Faculty of Civil Engineering; Dean of Faculty of Civil Engineering; Minister of Tourism and Environment; Project Director at Deutsche Gesellschaft für Internationale Zusammenarbeit, (GIZ) GmbH; 10 Professors; Students; NGO.	80
11	The BRIGAIID testing activities (smart green roof and Antwerp living lab) were presented: 'Urban pluvial flood risk analysis and climate-resilient emergency planning for city of Antwerp', EU Green Week 2018 - Climate-fit Partner Event "Climate intelligent city eco-design: the benefits of urban climate services",	22 May 2018	Brussels	Willems, P., De Bruyn, E		
12	Participation in a symposium "Green terraces for a sustainable urban development"	24.05.2018	Tirana, Albania University of civil Engineer	NTPA/ AKPT	Students; NGO; Professor of civil engineer department and architect department	20

BRIGAIID Dissemination and communication activities from October 2018- August 2020

13	HYROVENTIV smart green roof innovation: demonstration event	11 June 2018		KU Leuven, P.Willems	Professionals	50
14	HYROVENTIV smart green roof innovation: demonstration event to inform	11 June 2018	Lovaina	KU Leuven, P.Willems	Public	100
15	HYROVENTIV smart green roof innovation visit	18 June 2018		KU Leuven, P.Willems	EC staff members	50
16	International Convention Center: Adaptation Futures 2018 Dialogues for solutions	June 2018	Cape Town, South Africa	Elena Lopez Gunn (ICATALIST)	Professionals	
17	Presentation at the Innovation for Crisis Management (I4CM) event	3rd to 4th September 2018	Warsaw (Poland)	Bureau Vanitas Polska		
18	eEM-DAT disasters database innovation: workshop to lab-test the eEM-DAT platform prototype	7 November 2018	Lovaina	KU Leuven, P.Willems		20
19	Participation in P4P UWM meeting	11-12 September 2018	Brussels			
20	Presentation at meeting at ESRI Italia – Milan branch	7 January 2019	Milan, Italy	GReD	ESRI Italia CEO and managers	5
21	Participation at the TU Delft Dies Symposium https://collegerama.tudelft.nl/Mediasite/Showcase/public/Presentation/6476a5e9b6c64378836b231fa49fb3f91d	11 January 2019	Netherlands	TuDelft (Bas)		
22	Presentation at meeting at ESRI Italia – Rome branch	21 January 2019	Rome, Italy	GReD	ESRI Italia President, CEO and managers	10

BRIGAIID Dissemination and communication activities from October 2018- August 2020

23	Presentation to Lombardy Region Council Members	19 February 2019	Milan, Italy	GReD	Lombardy Region Council Members	5
24	Presentation to ARPA Emilia Romagna (Emilia Romagna Region Environmental Protection Agency)	3 May 2019	Bologna, Italy	GReD	ARPA Emilia Romagna weather forecast managers and technical staff	20
25	Presentation for Rotary Club Nijmegen	3 May 2019	Netherlands	TuDelft (Roelof)	variety of societal sectors.	50
26	Presentation for Rotary Club Tongeren	14 May 2019	Belgium	TuDelft (Roelof)	variety of societal sectors.	40
27	European Institute of Innovation and Technology-Climate KIC Meeting	20 March	Sofia, Bulgaria	ICRE8	Technology and CC experts	40
28	Business Innovation Greece Programme (Session: Innovation for Sustainability Transition: a challenge and an opportunity for Greece)	27 March	Athens, Greece	ICRE8	Business Community	50
29	The Convergences Greece Forum organized by the International Convergences Forum and the World Human Forum, in cooperation with UN Sustainable Network Solution Network Greece	1-2 April 2019	Athens, Greece	ICRE8	Organizations, companies, private and public bodies, representatives of SMEs, academics, students and citizens	80
30	Climate Change Symposium: Threats, Challenges, Solutions for Greece	3 April 2019	Athens, Greece	ICRE8	Climate Change Specialist	200

BRIGAIID Dissemination and communication activities from October 2018- August 2020

31	Climate Change: Science, Innovation and Participation in Athens Science Festival in Athens Science Festival	4 April 2019	Athens, Greece	ICRE8	General Public	50
32	SDSN National and Regional workshop	23-25 September 2019	New York, USA	ICRE8	SDSN Network managers	100
33	Climate Change and Education	12 October 2019	Athens, Greece	ICRE8	Scientific community	80
34	Third Sustainability Summit by UN SDSN and the Economist	16-17 October 2019	Athens, Greece	ICRE8	high-profile academics, innovators, politicians, policy makers and civil society stakeholders in the South-East Europe and the Mediterranean	1000
35	BRIGAIID presentation / session about the outcomes of the project and possibilities for the future.	13 Nov 2019	Brussels	Representatives of BRIGAIID (TU Delft, HKV, Ecologic, ICATALIST)	EASME, EIB and different EU DGs	
36	COP25: Presentation of the BRIGAIID Project	3 December 2019	Madrid, Spain	ICA	youth and civil society forum	
37	Panel session on European Green Deal: Challenges and Opportunities in the 20th High-Level Meeting on "Climate change and its impact on the life and cultural heritage of the Mediterranean"	22 January 2020	Athens, Greece	ICRE8	Scientists, representatives of the political and business world	30
38	Climate Change: Reality, use and abuse of the term	29 January 2020	Athens, Greece	ICRE8	Press, NGOs, academics, civil society	>350

BRIGAIID Dissemination and communication activities from October 2018- August 2020

39	Climate Change: An urgent parameter of the new development model	4 February 2020	Athens, Greece	ICRE8	Politicians, representatives of energy, transport, shipping and tourism sectors	200
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14. Video/Film

	Description	When	Where	Partner responsible	Target audience	Nr. of people reached
1	A video about the smart greenroof innovation installation at Antwerp: https://www.youtube.com/watch?v=3fNMMGQIUw&feature=youtu.be	November 2017	Antwerp	KU Leuven	Our network	About 1000
2	A video that city of Antwerp prepared: https://www.youtube.com/watch?v=NWZSk0qawTE	November 2017	Antwerp	KU Leuven	Citizens of Antwerp	About 5000
3	Video created About BRIGAIID innovators testimonials for the BRIGAIID presentation / session about the outcomes of the project and possibilities for the future.	13 Nov 2019	Brussels, Belgium	ICATALIST	EASME and DG RTD	
4	Video created About BRIGAIID Connect	June 2020		LORANGERIE		
5	A video about BRIGAIID Innovation "Application Framework with Drone Simulator or Drone System": https://vimeo.com/330482198	june 2018	online	RINA	Industry	500

BRIGAD Dissemination and communication activities from October 2018- August 2020

15. Participation in activities organized jointly with other H2020 projects

	Description	When	Data	Partner responsible	Target audience	Number of people reached
1	Presentation within a workshop organized by the DRS H2020 project ANYWHERE	18-22 September 2017	Helsinki	RINA-C	Scientific Community (higher education, Research), Industry, Civil Society	Around 150
2	EU-H2020 project Climate-fit.city workshop	13 December 2017	Climate-fit.city workshop, Graz	KU Leuven	Climate-fit.city project partners	30
3	Participation in Common Dissemination Booster, with RESCCUE, EU-CIRCLE, RESIN	From February 2018-december 2019	Ongoing	ICATALIST	Project's target audiences	-
4	EU-H2020 project Climate-fit.city workshop	13-14 June 2018	Climate-fit.city workshop, Leuven	KU Leuven	Climate-fit.city project partners	30
5	EU-H2020 project Climate-fit.city workshop	11-12 December 2018	Climate-fit.city workshop, Prague	KU Leuven	Climate-fit.city project partners	30
6	ECCA 2019	May 2019	Lisbon, Portugal	PLACARD, BINGO, RESCCUE		
7	Albania in Horizon 2020 and the future perspective workshop from National Agency for Scientific Research and Innovation (NASRI)	22 January 2020	Tirana, Albania	AKPT	Researcher, Representative of National Agency for Scientific Research and Innovation	30

BRIGAD Dissemination and communication activities from October 2018- August 2020

8	National meeting and workshop "Use of Hydro meteorological Forecasting in Natural Disaster Management" IStorm project of EU Commission, Institute of Geosciences, Energy, Water and Environment	21 November 2019	Tirana, Albania	AKPT	Representative of the institute, representative of GIZ, Energy sector, water sector, municipality representation	40
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16. Brokerage event

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached
1	Participation to the event "Copernicus International Day: Workshop 1 - Safety & Security of citizens & Infrastructures, Workshop 2 – Monitoring services for the emergency management: prevention & preparedness"	22 November 2017	Rome	RINA-C	Scientific Community (higher education, Research), Industry, Policy Makers	More than 250

17. Pitch event

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached
1						

18. Trade fair

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached

BRIGAIID Dissemination and communication activities from October 2018- August 2020

1	Three forums on three main pillars of the Project: Flooding, Drought, and Extreme Weather Conditions.	17 to 19 Dec 2018	Albania	BRIGAIID/NTPA	Albanian innovators, members of public institutions, agencies, and universities.	
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19. Other

	Description	When	Data	Partner responsible	Target audience	Nr. of people reached
1	Patent application A / 00381 was submitted to OSIM, Romania for the invention proposal: "Machine for making diking furrows" (at the vine).	12 Sept 2017	Romania	Aquaproject		
2	Networking with Innovators, describing BRIGAIID. Resulted in an innovator being included in BRIGAIID for WP3	Oct, 2017	http://climateinnovationwindow.eu/node/104	MIGAL	Innovators	10
3	Within the EC conference: Under a new wildfire context: How to face mega-fires in Europe, the need to have innovations related with wildfires and forests gave place to several parallel conversations presenting BRIGAIID project and our innovation	15 th -16 th February 2018	In Lisbon - Portugal	ISA/CEABN	Parallel conversations with forest professionals and fire researchers	10
4	INTERGEO's marketplace. Presentation of ARIEL (external innovation developed by BALAMIS with the support of BRIGAIID)	16-18th Oct 2018	FrankFurt	Balamis Staff	INTERGEO's marketplace. Presentation of ARIEL (external innovation developed by BALAMIS)	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

					with the support of BRIGAIID)	
5	CONAMA 2018. Conferencia Internacional del Medio Ambiente. Participation with graphic material (Poster and Flyers) & Technical communications	26-29th Nov 2018	Madrid, Spain	ICATALIST	Scientific Community (higher education, Research), Industry, Civil Society	
6	Fame Innova 2019. Official launch of EVAPO-CONTROL (external innovation developed by ARANA-Water Management with the support of BRIGAIID)	22-24 th May 2019	2019 Torre Pacheco, Murcia (Spain)	ARANA Staff (supported by FutureWater)		
7	Three forums on three main pillars of the Project: Flooding, Drought, and Extreme Weather Conditions.	17 - 19 Dec 2018	Albania	BRIGAIID/NTPA	Albanian innovators, members of public institutions, agencies, and universities.	60
8	Patent application A / 00764 was submitted to OSIM Romania for the invention proposal: "Modeling machine for compartment furrows".	19 nov 2019	Romania	Aquaproject		
9	Interview with Alex Curran – CITG regarding social impact of innovation	4 march 2020	Israel	MIGAL		

20. Dissemination and exploitation of results scientific publications

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Uncertainty assessment for climate change impact on intense precipitation: how many model runs do we need?
DOI	10.1002/joc.5069
ISSN or eSSN	1097-0088
Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	INTERNATIONAL JOURNAL OF CLIMATOLOGY
Number, date	37 (Suppl.1)
Publisher	John Wiley & Sons, Inc.
Place of publication	London
Year of publication	2017

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Relevant pages	1105–1117
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	Yes, green open access
FRAMEWORK FOR ASSESSING THE PERFORMANCE OF FLOOD ADAPTATION INNOVATIONS USING A RISK- BASED APPROACH	Technical risk evaluation of the TIF.

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	“The potential of BRIGAIID’s Testing and Implementation Framework (TIF) as a tool to promote Nature Based Solutions”
DOI	
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	J.M. van Loon-Steensma
Title of the journal or equivalent	
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	
FRAMEWORK FOR ASSESSING THE PERFORMANCE OF FLOOD	

ADAPTATION INNOVATIONS USING A RISK-BASED APPROACH	
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Type of scientific publication	Article in Journal
Title of the scientific publication	Comparison of meteorological and satellite-based drought indices as yield predictors of Spanish cereals
DOI	https://doi.org/10.1016/j.agwat.2018.10.030
ISSN or eSSN	0378-3774
Authors	García-León, D., Contreras, S., Hunink, J.E.,
Title of the journal or equivalent	Agricultural Water Management
Number, date	Volume 213, 1 March 2019
Publisher	Elsevier
Place of publication	

BRIGAD Dissemination and communication activities from October 2018- August 2020

Year of publication	2019
Relevant pages	388-396
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	Gold open access

Type of scientific publication	Article in Journal
Title of the scientific publication	Biological Renewal of Zeolite Substrate in Constructed Wetlands for Treatment of Agroindustry Wastewater: Case study of Dairy Farm
DOI	https://doi.org/10.1080/15226514.2020.1799932
ISSN or eSSN	1522-6514
Authors	Ezra Orlofsky, Simon Chernov, Asi Asiag and M Iggy Litaor

BRIGAD Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	International J of Phytoremediation
Number, date	Not yet assigned
Publisher	Taylor and Francis, UK
Place of publication	In review
Year of publication	2020
Relevant pages	1-12
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Global mortality from storm surges is decreasing

BRIGAIID Dissemination and communication activities from October 2018- August 2020

DOI	
ISSN or eSSN	
Authors	Laurens Bouwer, Bas Jonkman
Title of the journal or equivalent	Environmental Research Letters
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Is/Will open access provided to this publication	GOLD
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Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Efficient pan-European river flood hazard modelling through a combination of statistical and physical models
DOI	10.5194/nhess-17-1267-2017
ISSN or eSSN	
Authors	Dominik Paprotny, Oswaldo Morales-Nápoles, Sebastiaan N. Jonkman
Title of the journal or equivalent	Natural Hazards and Earth System Sciences
Number, date	17/7
Publisher	
Place of publication	https://www.nat-hazards-earth-syst-sci.net/17/1267/2017/

BRIGAD Dissemination and communication activities from October 2018- August 2020

Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	GOLD

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	HANZE: a pan-European database of exposure to natural hazards and damaging historical floods since 1870
DOI	10.5194/essd-2017-105
ISSN or eSSN	
Authors	Dominik Paprotny, Oswaldo Morales-Nápoles, Sebastiaan N. Jonkman

BRIGAD Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	Earth System Science Data Discussions
Number, date	
Publisher	
Place of publication	https://www.earth-syst-sci-data-discuss.net/essd-2017-105/
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	GOLD

Type of scientific publication	Peer-reviewed international publication
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BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the scientific publication	Trends in flood losses in Europe over the past 150 years
DOI	10.1038/s41467-018-04253-1
ISSN or eSSN	
Authors	Dominik Paprotny, Antonia Sebastian, Oswaldo Morales-Nápoles, Sebastiaan N. Jonkman
Title of the journal or equivalent	Nature Communications
Number, date	
Publisher	
Place of publication	https://arxiv.org/abs/1710.11044
Year of publication	
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	YES
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Precipitation intensity–duration–frequency curves for central Belgium with an ensemble of EURO-CORDEX simulations, and associated uncertainties
DOI	10.1016/j.atmosres.2017.09.015
ISSN or eSSN	
Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	Atmospheric Research
Number, date	
Publisher	

BRIGAD Dissemination and communication activities from October 2018- August 2020

Place of publication	http://linkinghub.elsevier.com/retrieve/pii/S0169809516303428
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Local impact analysis of climate change on precipitation extremes: are high-resolution climate models needed for realistic simulations?
DOI	10.5194/hess-20-3843-2016
ISSN or eSSN	
Authors	Hossein Tabari, Rozemien De Troch, Olivier Giot, Rafiq Hamdi, Piet Termonia, Sajjad Saeed, Erwan Brisson, Nicole Van Lipzig, Patrick Willems

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	Hydrology and Earth System Sciences
Number, date	
Publisher	
Place of publication	http://www.hydrol-earth-syst-sci.net/20/3843/2016/
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access pro-vided to this publication	GOLD

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	O projecto BRIGAIID promove inovações no combate às alterações climáticas no sector florestal.

BRIGAIID Dissemination and communication activities from October 2018- August 2020

DOI	
ISSN or eSSN	
Authors	Rego, F.C., Nunes, L., Colaço, C., Loureiro, C., Salgueiro, A., Dias, S.
Title of the journal or equivalent	8º Congresso Florestal Nacional - Proceedings
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	NO

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Is/Will open access provided to this publication	GREEN
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Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	Measuring drought sensitivity of Spanish crop yields
DOI	
ISSN or eSSN	
Authors	García-León, D., Contreras, S., Hunink, J.E.
Title of the journal or equivalent	Actas del 41 Simposio de la Asociación Española de Economía
Number, date	
Publisher	
Place of publication	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Year of publication	
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	GREEN

Type of scientific publication	other
Title of the scientific publication	Monitoring Water Productivity: Demonstration Case for ThirdEye Mozambique
DOI	
ISSN or eSSN	
Authors	Droogers, P., G.W.H. Simons, N.I. den Besten, J. van Til, M. de Klerk

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	FutureWater Report 169
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	GREEN

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	BRIGAIID - a research project funded by the European program HORIZON 2020
DOI	
ISSN or eSSN	
Authors	Ioan Bica, Sorin Randasu, Dan Constantin
Title of the journal or equivalent	Hidrotehnica
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	NO
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	Climate change impacts on urban rainfall extremes: influence of time and space scales
DOI	
ISSN or eSSN	
Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	Proceedings 14th IWA/IAHR International Conference on Urban Drainage (ICUD2017)
Number, date	
Publisher	
Place of publication	

BRIGAD Dissemination and communication activities from October 2018- August 2020

Year of publication	2017
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	GREEN

Type of scientific publication	OTHER
Title of the scientific publication	Biomimetics- cutting edge environmental technologies
DOI	
ISSN or eSSN	
Authors	Yael Helfman Cohen, Shlomt Zion Shen, Ezra Orlofsky

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	Ecology and the Environment
Number, date	
Publisher	
Place of publication	
Year of publication	2017
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Publication in conference proceeding/workshop
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BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the scientific publication	Nature Based Circular Economy of Agro-industrial Wastewater
DOI	
ISSN or eSSN	
Authors	Ezra Orlofsky, Simon Chernovanov, Iggy Litaor
Title of the journal or equivalent	International Water Association, 15th Specialized Conference on Small Water & Wastewater Systems
Number, date	
Publisher	
Place of publication	
Year of publication	2018
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	NO
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	Recenti sviluppi sul dispositivo OBREC: diga marittima per l'energia dal moto ondoso
DOI	
ISSN or eSSN	
Authors	Contestabile, P., Ferrante, V., Formentin, S., Palma, G., Zanuttigh, B., & Vicinanza, D.
Title of the journal or equivalent	
Number, date	
Publisher	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	NO

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	A NEW FULLY-AUTOMATIC PROCEDURE FOR THE IDENTIFICATION AND THE COUPLING OF THE OVERTOPPING WAVES
DOI	10.9753/icce.v36.papers.36
ISSN or eSSN	
Authors	Sara Mizar Formentin, Barbara Zanuttigh

BRIGAD Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	Coastal Engineering Proceedings
Number, date	1/36
Publisher	
Place of publication	https://journals.tdl.org/icce/index.php/icce/article/view/8399
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	GREEN
Type of scientific publication	Peer-reviewed international publication

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the scientific publication	REDUCTION OF THE WAVE OVERTOPPING DISCHARGE AT DIKES IN PRESENCE OF CROWN WALLS WITH BULLNOSES
DOI	10.9753/icce.v36.papers.110
ISSN or eSSN	
Authors	Barbara Zanuttigh, Sara Mizar Formentin
Title of the journal or equivalent	Coastal Engineering Proceedings
Number, date	1/36
Publisher	
Place of publication	https://journals.tdl.org/icce/index.php/icce/article/view/8407
Year of publication	
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	YES
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Article in Journal
Title of the scientific publication	Numerical Simulations of the Hydraulic Performance of a Breakwater-Integrated Overtopping Wave Energy Converter
DOI	10.3390/jmse7020038
ISSN or eSSN	
Authors	Giuseppina Palma, Sara Mizar Formentin, Barbara Zanuttigh, Pasquale Contestabile, Diego Vicinanza
Title of the journal or equivalent	Journal of Marine Science and Engineering
Number, date	
Publisher	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Place of publication	https://www.mdpi.com/2077-1312/7/2/38
Year of publication	
Relevant pages	
Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	GREEN

Type of scientific publication	Other
Title of the scientific publication	A Testing and Implementation Framework (TIF) for Climate Adaptation Innovations: Initial Version of the TIF - Deliverable 5.1
DOI	
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Sebastian, Antonia; Lendering, K.T.; van Loon-Steensma, J.M.; Paprotny, D.; Bellamy, Rob; Willems, Patrick; van Loenhout, Joris; Colaço, Conceição; Dias, Susana; Nunes, Leónia; Rego, Francisco; Koundouri, Phoebe; Xepapadeas, Petros; Vassilopoulos, Achilleas; Wiktor, Paweł; Wysocka-Golec, Justyna
Title of the journal or equivalent	
Number, date	
Publisher	
Place of publication	
Year of publication	
Relevant pages	
Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	GREEN

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Other
Title of the scientific publication	Final report on the activity of Communities of Innovation - Deliverable D7.12
DOI	
ISSN or eSSN	
Authors	Elena LÓPEZ-GUNN, Julian SWINKELS, Mara DEKSNE
Title of the journal or equivalent	
Number, date	
Publisher	Internal (BRIGAIID)
Place of publication	
Year of publication	2020
Relevant pages	

BRIGAD Dissemination and communication activities from October 2018- August 2020

Public & private participation	
Peer review	NO
Is/Will open access provided to this publication	YES

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Climate change impact on short-duration extreme precipitation and intensity–duration–frequency curves over Europe
DOI	10.1016/j.jhydrol.2020.125249
ISSN or eSSN	
Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	Journal of Hydrology
Number, date	590 (2020), 125249

BRIGAD Dissemination and communication activities from October 2018- August 2020

Publisher	Elsevier
Place of publication	
Year of publication	2020
Relevant pages	14p
Public & private participation	
Peer review	YES
Is/Will open access pro-vided to this publication	YES

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Satellite-based data driven quantification of pluvial floods over Europe under future climatic and socioeconomic changes
DOI	10.1016/j.scitotenv.2020.137688

BRIGAIID Dissemination and communication activities from October 2018- August 2020

ISSN or eSSN	
Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	Science of the Total Environment
Number, date	721 (2020) 137688
Publisher	Elsevier
Place of publication	
Year of publication	2020
Relevant pages	13p.

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Public & private participation	
Peer review	YES
Is/Will open access provided to this publication	YES

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Regionalization of anthropogenically forced changes in 3 hourly extreme precipitation over Europe
DOI	10.1088/1748-9326/ab5638
ISSN or eISSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Parisa Hosseinzadehtalaei, Hossein Tabari, Patrick Willems
Title of the journal or equivalent	Environmental Research Letters
Number, date	14 (2019) 124031
Publisher	IP Publishing
Place of publication	
Year of publication	2019
Relevant pages	13 p.
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	YES
Is/Will open access provided to this publication	YES

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Latitudinal heterogeneity and hotspots of uncertainty in projected extreme precipitation
DOI	10.1088/1748-9326/ab55fd
ISSN or eSSN	
Authors	Hossein Tabari, Parisa Hosseinzadehtalaei, Amir AghaKouchak, Patrick Willems

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	Environmental Research Letters
Number, date	14 (2019) 124032
Publisher	IP Publishing
Place of publication	
Year of publication	2019
Relevant pages	11 p.
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	yes

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	Wave loads on the OBREC device in a real wave climate
DOI	
ISSN or eSSN	
Authors	
Title of the journal or equivalent	Proc. of the 13 th European Wave and Tidal Energy Conference. EWTEC19

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Number, date	
Publisher	
Place of publication	
Year of publication	2019
Relevant pages	
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	NO

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Publication in conference proceeding/workshop
Title of the scientific publication	Experimental Analysis of the Wave Loads on Dike Crown Walls with Parapets.
DOI	10.18451/978-3-939230-64-9_021
ISSN or eSSN	
Authors	Formentin, S. M., Zanuttigh, B., Palma, G., Gaeta, M. G., & Guerrero, M.
Title of the journal or equivalent	Coastal Structure Proceedings.
Number, date	
Publisher	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Place of publication	
Year of publication	2019
Relevant pages	200-210
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	yes

Type of scientific publication	Peer-reviewed international publication
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BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the scientific publication	Flow Depths and Velocities across a Smooth Dike Crest.
DOI	10.3390/w11102197
ISSN or eSSN	
Authors	Formentin, S. M., Gaeta, M. G., Palma, G., Zanuttigh, B., & Guerrero, M.
Title of the journal or equivalent	Water
Number, date	11(10)
Publisher	
Place of publication	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Year of publication	2019
Relevant pages	2197
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	yes

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Integrated assessment of the hydraulic and structural performance of the OBREC device in the Gulf of Naples, Italy

DOI	10.1016/j.apor.2020.102217
ISSN or eSSN	
Authors	Palma, G., Contestabile, P., Zanuttigh, B., Formentin, S. M., & Vicinanza, D.
Title of the journal or equivalent	Applied Ocean Research
Number, date	101
Publisher	
Place of publication	
Year of publication	2020

Relevant pages	
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	No

Type of scientific publication	Other
Title of the scientific publication	BRIGAIID: Indicators of climate hazards in Europe (Shapefiles)
DOI	https://doi.org/10.4121/12776162.v1

ISSN or eSSN	
Authors	Dominik Paprotny
Title of the journal or equivalent	4TU research data repository
Number, date	
Publisher	4TU
Place of publication	Online
Year of publication	2020
Relevant pages	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Public & private participation	NO
Peer review	YES
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	The Challenge of Selecting Precipitation Products for Extreme Weather Services in a Data Scarce Environment
DOI	
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Marie-Claire ten Veldhuis, Sha Lu, Nick van de Giesen
Title of the journal or equivalent	AGU Fall Meeting 2019
Number, date	H51V-1837, 13.12.2019
Publisher	
Place of publication	
Year of publication	2019
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	Investigating the Small-Scale Spatial Variability of Precipitable Water Vapor by Adding Single-Frequency Receivers into an Existing Dual-Frequency Receiver Network
DOI	
ISSN or eISSN	
Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Nick van de Giesen

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the journal or equivalent	EGU General Assembly 2017
Number, date	EGU2017-14362, 27.04.2017
Publisher	
Place of publication	2017
Year of publication	
Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Other
Title of the scientific publication	Using Low-Cost GNSS Receivers to Investigate the Small-Scale Precipitable Water Vapor Variability in the Atmosphere for Improving High Resolution Rainfall Forecasts
DOI	
ISSN or eSSN	
Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Nick van de Giesen
Title of the journal or equivalent	EGU General Assembly 2017

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Number, date	
Publisher	
Place of publication	
Year of publication	2017
Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	Low-cost sensors for high resolution water vapor monitoring in Rotterdam
DOI	
ISSN or eSSN	
Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Eugenio Realini, Nick van de Giesen
Title of the journal or equivalent	European Meteorological Society Annual Meeting 2017
Number, date	EMS2017-512, 07.09.2017
Publisher	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Place of publication	
Year of publication	2017
Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
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BRIGAIID Dissemination and communication activities from October 2018- August 2020

Title of the scientific publication	Densified GNSS-based water-vapor monitoring network in Rotterdam using low-cost single-frequency receivers
DOI	
ISSN or eSSN	
Authors	Andreas Kriemeyer, Marie-Claire ten Veldhuis, Eugenio Realini, Nick van de Giesen
Title of the journal or equivalent	EGU General Assembly 2018
Number, date	EGU2018-8961, 12.04.2018
Publisher	
Place of publication	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Year of publication	2018
Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	Using low-cost GNSS receivers to densify existing GNSS water-vapor monitoring networks

BRIGAIID Dissemination and communication activities from October 2018- August 2020

DOI	
ISSN or eSSN	
Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Eugenio Realini, Nick van de Giesen
Title of the journal or equivalent	European Meteorological Society Annual Meeting 2018
Number, date	EMS2018-806, 06.09.2018
Publisher	
Place of publication	
Year of publication	2018

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Relevant pages	
Public & private participation	
Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	What we learned for rainfall analysis using tropospheric gradients and slant zenith tropospheric delays
DOI	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

ISSN or eSSN	
Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Hans van der Marel, Eugenio Realini, Nick van de Giesen
Title of the journal or equivalent	EGU General Assembly 2019
Number, date	EGU2019-13988, 08.04.2019
Publisher	
Place of publication	
Year of publication	2019
Relevant pages	

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Public & private participation	
Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Other
Title of the scientific publication	Improving the antenna performance for Zenith Tropospheric Delay estimations with consumer-grade antennas and a low-cost dual-frequency receiver
DOI	
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Andreas Krietemeyer, Hans van der Marel, Marie-Claire ten Veldhuis, Nick van de Giesen
Title of the journal or equivalent	EGU General Assembly 2020
Number, date	EGU2020-9663, 05.05.2020
Publisher	
Place of publication	
Year of publication	2020
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	
Is/Will open access provided to this publication	

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	Potential of Cost-Efficient Single Frequency GNSS Receivers for Water Vapor Monitoring
DOI	10.3390/rs10091493
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Andreas Krietemeyer, Marie-Claire ten Veldhuis, Hans van der Marel, Eugenio Realini, Nick van de Giesen
Title of the journal or equivalent	Remote Sensing
Number, date	10(9), 1493, 2018
Publisher	MDPI AG
Place of publication	
Year of publication	2018
Relevant pages	
Public & private participation	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Peer review	yes
Is/Will open access provided to this publication	yes

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	High Quality Zenith Tropospheric Delay Estimation Using a Low-Cost Dual-Frequency Receiver and Relative Antenna Calibration
DOI	10.3390/rs12091393
ISSN or eSSN	

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Authors	Andreas Krietemeyer, Hans van der Marel, Nick van de Giesen, Marie-Claire ten Veldhuis
Title of the journal or equivalent	Remote Sensing
Number, date	12(9), 1393, 2020
Publisher	MDPI
Place of publication	
Year of publication	2020
Relevant pages	
Public & private participation	
Peer review	yes
Is/Will open access provided to this publication	yes

BRIGAIID Dissemination and communication activities from October 2018- August 2020

Type of scientific publication	Peer-reviewed international publication
Title of the scientific publication	
DOI	
ISSN or eSSN	
Authors	Elena López-Gunn, Julian Swinkels, Gerardo Anzaldua, Manuel Bea, Conceição Colaço, Mara Deksne, Nensi Lajaj, Marta Rica and Hugh Macdonald.
Title of the journal or equivalent	Futures Journal https://www.journals.elsevier.com/futures/
Number, date	Special Issue on The Future of Communities (https://www.journals.elsevier.com/futures/call-for-papers/the-futures-of-communities)
Publisher	Elsevier
Place of publication	
Year of publication	(under review)
Relevant pages	
Peer review	yes
Is/Will open access provided to this publication	yes

Annex II. Conceptual framework for BRIGAIID exploitation

How exploitation activities are defined in the Grant Agreement

The Grant Agreement of BRIGAIID defines several relevant topics related to exploitation, in particular:

- Article 26 — on ‘Ownership of results’, which establishes that results are owned by the beneficiary that generates them, and defines ‘Results’ as *“any (tangible or intangible) output of the action such as data, knowledge or information — whatever its form or nature, whether it can be protected or not — that is generated in the action, as well as any rights attached to it, including intellectual property rights.”*. Moreover, this article provides clear indications about the management of the ‘joint ownership by several beneficiaries’.
- Article 28 – on ‘Exploitation of results’, which provides clear indication on the ‘Obligation to exploit the results’ (article 28.1) under the following terms:
“Each beneficiary must — up to four years after the period set out in Article 3 — take measures aiming to ensure ‘exploitation’ of its results (either directly or indirectly, in particular through transfer or licensing; see Article 30) by:
 - (a) using them in further research activities (outside the action);*
 - (b) developing, creating or marketing a product or process;*
 - (c) creating and providing a service, or*
 - (d) using them in standardisation activities.”*

BRIGAIID partners agreed on Access Right to exploitation of results in the Consortium Agreement section 19. Furthermore, the Description of Action document (DoA) already describes some major activities which directly support the exploitation of the project (see box 1). This initial exploitation plan further builds on these basic components to describe the alternatives and options being considered by the consortium for the exploitation of the overall range of results produced by BRIGAIID.

Box 1. Planned components of BRIGAIID exploitation according to DoA

Exploitation of the projects' results is key to maximize impact, and is an integral part of BRIGAIID's approach.

BRIGAIID's exploitation plan is based on these 4 pillars:

- 1. Participation of end users in the stocktaking process, demonstration events, in the Communities of Innovation and in the Advisory Board of the project will allow high level discussion how to apply these innovations in end users practice.*
- 2. To empower the innovators, a Marketing Analysis Framework is developed partially based on an identification of the areas where the socio-technological effectiveness is the highest. This results in agile business plans;*
- 3. Creative communication specialist will support the innovators by making engaging marketing material of their innovations, such as infographics, web banners and brochures/fact sheets giving a quick overview in a reader-friendly way of the innovations;*
- 4. Development of a public-private investment and financing model (PPIF) to enable exploitation of BRIGAIID's results in the longer term, by providing funds and mechanisms to help innovators bring their products to the end users.*

The path to deliver the innovations to the market is in BRIGAIID's case a bridge, supported by work packages that enable innovators to cross the valley of death and bring their innovations to the end users.

The innovators and end users who have already expressed their support in BRIGAIID will be the primary focus.

We expect that the group will grow in the course of the project, due to the dissemination and communication activities as well as the stocktaking of upcoming innovations.

It can be noticed that exploitation was mainly considered as a means to facilitate and promote market outreach of innovations directly supported by BRIGAIID. However, as the project has evolved, the concept of exploitation has been enlarged, with a broader focus on exploitation of methodologies and tools developed in the frame of the project. This approach also benefits the delivery of the expected impacts of the project. According to the DoA for BRIGAIID, the project aims to deliver five different impacts that justify the separate consideration of these two approaches to manage the project exploitation.

The exploitation and market outreach activities for BRIGAIID innovations is particularly linked to three of the BRIGAIID expected impacts:

- Impact 1: "Rapid large-scale market uptake". BRIGAIID aims for "Rapid large-scale deployment and market uptake of innovative technological and non-technological climate change adaptation solutions with high replicability".
- Impact 3: Improving innovation capacity and the integration of new knowledge. BRIGAIID is all about fostering the innovation capacities of SME's and start-ups that have solutions for climate adaptation. At the end of the project the European network of test facilities identified and used by BRIGAIID, and the methodology to test and implement innovations, will continue to connect innovators with end users.

- Impact 4: Strengthening the competitiveness and growth of companies. Through the use of a clearly defined set of parameters for stock-taking and thorough testing, BRIGAIID ensures that the innovations supported and qualified by the project meet the needs of European and global markets.

The remaining expected impacts are connected with the complete development and potential exploitation of the BRIGAIID methodologies:

- Impact 2: Contribution to the development of technological and performance standards for adaptation options. To assess the performance of innovations, BRIGAIID develops a Test and Implementation Framework (TIF) to provide an independent scientific evaluation of the effectiveness of innovations and their ability to reduce disaster impacts from floods droughts and extreme weather in different economic sectors and local regions.
- Impact 5: Environmental and socially important impact. A high level environmental impact of innovations is part of the assessment of the socio-technological effectiveness of the innovation (TIF).

The concept of exploitation in the frame of BRIGAIID

Exploitation is considered as “*the use of the results during and after the project’s implementation. It can be for commercial purposes but also for improving policies, and for tackling economic and societal problems*”³. This is in line with the standard Plan for Dissemination and Exploitation for Horizon 2020⁴ projects, which states that **exploitation** “*means the use of results in further research activities other than those covered by the action concerned, or in developing, creating and marketing a product or process, or in creating and providing a service, or in standardisation activities*”.

The aim of the exploitation activities relates as well to other complementary components of the frame defined for H2020 exploitation activities, in particular to **the use of results in further research activities other than those covered by the action** concerned for tackling economic and societal problems and **influence policy objectives**.

Therefore, we can understand exploitation as the use of the project products in activities which are different to the ones funded by the project, and can distinguish different exploitation routes, not mutually exclusive:

1. Scientific exploitation: it refers to the use of results for the development of further research and innovation projects.

³ <https://ec.europa.eu/research/participants/portal/desktop/en/support/faqs/faq-933.html>

⁴ See Fact Sheet on The Plan for the Exploitation and Dissemination of Results in Horizon 2020 produced by the European IPR Helpdesk at https://www.iprhelpdesk.eu/sites/default/files/newsdocuments/FS-Plan-for-the-exploitation-and-dissemination-of-results_1.pdf

2. Commercial exploitation: the use of results for commercial and business development purposes.
3. Social exploitation: use of results for social and common good purposes
4. Political exploitation: use of results for public policies and standards' formulation

The exploitation of BRIGAIID results covers almost the full spectrum provided by the definitions and can be separated in two approaches, depending on whether the focus is set on the **innovations** being supported by BRIGAIID or on the **methodologies** designed and implemented by BRIGAIID for supporting the development of the innovations.

In terms of options for exploitation, we have considered, as an initial reference, the "[Guide to IP in Horizon 2020](#)" produced by the IPR Helpdesk.

This document explains that "Proper exploitation of the results of your project will allow you to profit from marketing and commercialisation of the intellectual assets acquired during your project". This guide suggest a number of exploitation measures, which comprise:

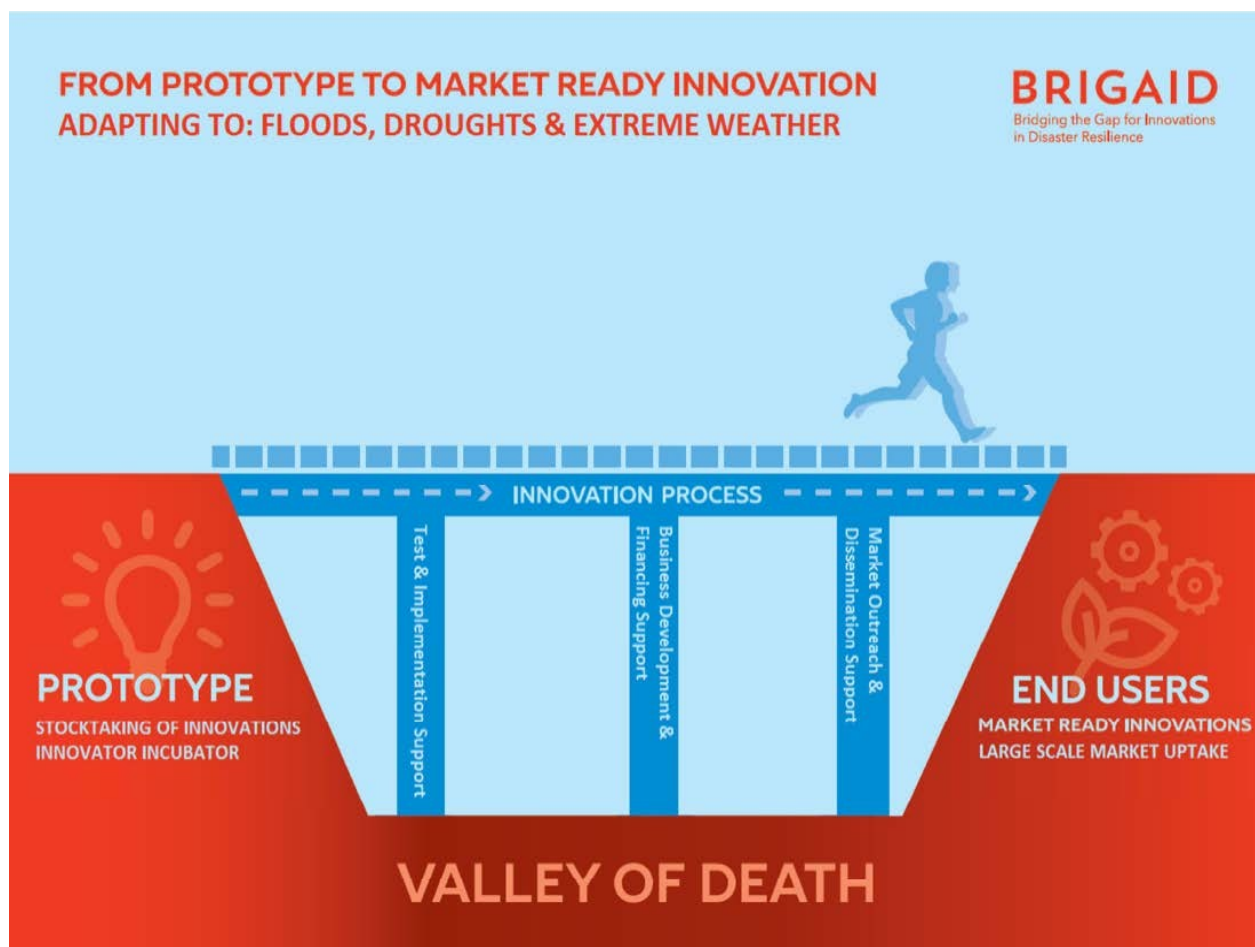
- to use research results in further research activities of your organisation either internally and/or as background to be brought into a new collaborative research project,
- to create new or contribute to on-going standardisation activities,
- to develop and create new services and/or products.

Moreover, the guides provides a list with the most usual activities for the implementation of commercial exploitation:

- Licensing
- Assignment
- Joint Venture
- Spin-off
- Franchising

Supporting the exploitation of BRIGAIID innovations

A pivotal objective of BRIGAIID is to 'bridge the gap' for innovations that reduce the impacts of climate related events. This 'gap' refers to a combined lack of methodologies and support that are needed to turn already existing innovations into complete and market ready products.



BRIGAIID supports innovations by testing and demonstrating on separate occasions to show their effectiveness and make recommendations for improvements to bring them closer to market uptake. Innovations that enter the project will have TRL4-8, and the goal is to elaborate and execute testing plans for 35-50 of them. This process is designed to improve the innovations, which may include validating (TRL5) and demonstrating (TRL6) (parts) of innovations in a relevant environment and/or demonstration in an operational environment (TRL7, TRL8, TRL9).

This process is based on the TIF methodology developed in WP5. BRIGAIID has produced a TIF self-assessment tool that can be iteratively applied by innovators as a guide in the developmental phases of their innovations. This enables a coordinated and accelerated improvement of the innovations technical and social readiness.

In terms of further support to exploitation, the innovations involved in the BRIGAIID innovation cycles are benefiting from market analysis and business development support activities as part of the BRIGAIID Business Development Approach. BRIGAIID is helping these innovations to select appropriate target markets and identify adequate business models with the ultimate aim of enhancing their competitiveness. In addition, BRIGAIID also supports innovations on the improvement of their 'investment readiness' defined as the potential of an innovation to develop a solid business case and attract investors.

These activities are framed within WP6 on business development and financing models. Additionally, a Market Scoping Report (D6.1) was delivered, including a set of thematic maps. The market scoping report identifies European regions that will be most affected by climate change, and those that have greatest adaptive capacity to respond. This supports innovators to identify target markets, and BRIGAIID by identifying those areas most in need and ability to exploit BRIGAIID results.

BRIGAIID Business Development Approach



During the second year of BRIGAIID, WP6 produced the Market Analysis Framework – MAF+ (maf.brigaid.eu), an online collaboration portal aimed at guiding innovators through the business development process. The business development activities support exploitation by helping innovators turn their technologies into marketable products and services. In broad terms, this is done by:

- Enabling innovators to identify and analyse target markets for their innovations
- Assessing whether a clear market need for the innovation exists
- Preparing innovators to communicate strategically with their target markets
- Facilitating the development of a suitable and sustainable business model

Innovators who complete the business plan and MAF+ exercises acquire a better understanding of their market, their innovation's position in it and the elements to consider for achieving financial sustainability. Ultimately, this will allow them to take the next steps towards commercialisation, and link with clients and investors.

In the Business Development Approach, the MAF+ support is complemented through the PPIF for the elaboration of business plans for each innovation which address and also assess the main strategical, social, technological and financial aspects related to the business development of the innovation.

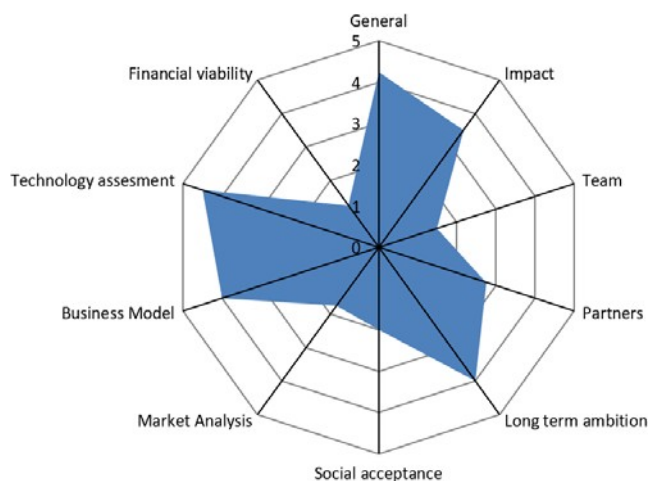
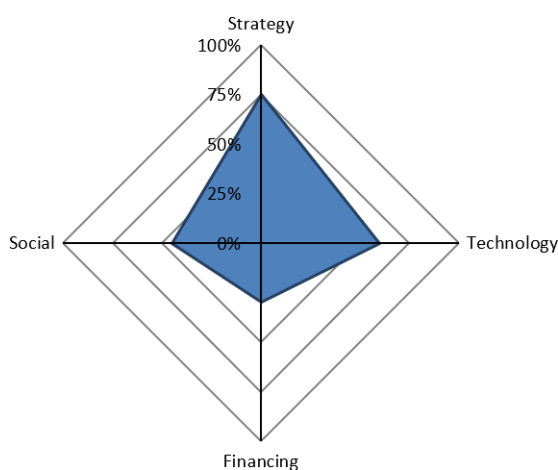


Figure 23. Examples of assessment information provided in BRIGAIID's business plans.

Furthermore, the market analysis actions are being complemented by the production of marketing material as part of WP7 on market outreach and dissemination. The BRIGAIID team for WPs 6 and 7 have been closely collaborating to ensure a strong interaction between both WPs by providing a smooth transition between market analysis and marketing activities of innovators.

As a specific product for innovators, BRIGAIID has created a pitch deck program for innovations participating in the testing phase of the three innovations cycles. The objective is to give innovators a solution to have organic pitch decks that adapt to each situation and moment, e.g. according to the amount of time given to present the pitch, to the specific target audience or to the developmental state of the innovation. The marketing materials produced, e.g. pitch decks, videos, brochures, can be showcased in the Climate Innovation Window. The information required for the production of these pitch decks is being partly extracted from the outcomes of the exercises to be undertaken throughout the application of the MAF+ or directly asked to the innovators through a specific questionnaire.

Finally, the dissemination of BRIGAIID innovations is supported by their upload into BRIGAIID's Climate Innovation Window. Those innovations directly participating in BRIGAIID program are highlighted and also receive some extra advantages. First, these innovations get the opportunity to be endorsed with one of the BRIGAIID's quality stamps after successfully completing the application of one of BRIGAIID's methods. Also, a broader amount of reference information is made available in the platform to the users identified under the profiles of "end-users" and "investors".

For BRIGAIID, it is important to stress that the **support to innovators is conceived as an integral process**. Although innovations can participate in only part of the proposed support actions, BRIGAIID is strongly encouraging innovators to adopt our full methodological approach, i.e. the three pillars of "BRIGAIID's bridge": 1) improving technical and social readiness, 2) improving market readiness, and 3) supporting market outreach and dissemination.

In relation to this, there are several links and interactions between the actions framed in separate pillars which enable a stronger, more comprehensive and more effective support to those innovations going through all the sequential steps proposed by BRIGAIID.

Annex III. Summary of ‘BRIGAD Inc.’ approach

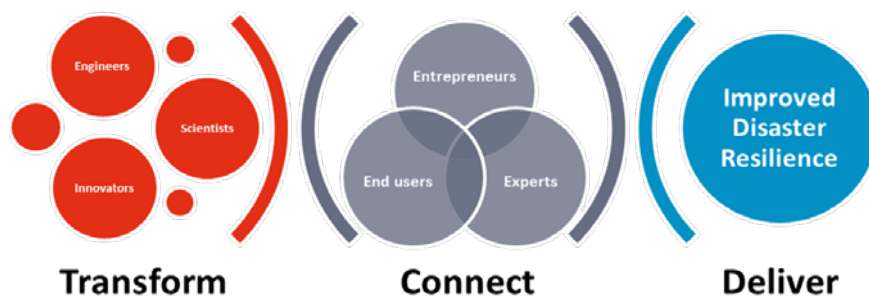
Climate adaptation through innovation

The Challenge: Climate adaptation innovations too frequently fail to reach the market, limiting their positive impact. Often, climate innovators - scientists, engineers, architects, social scientists, tech developers - lack the entrepreneurial skills, testing expertise and facilities, network, and visibility to **bridge the gap** ("valley of death") that lies between a great idea and an impactful innovation. Climate innovators face even greater challenges than other innovators, as their innovations often benefit society (rather than private actors) and deliver benefits further into the future (rather than today) – making them less attractive to investors and the free market.

The result: Climate adaptation innovations stumbling before reaching the market leaves Europe worse off, with fewer successful businesses, fewer high-quality jobs, lower incomes – and lower climate resilience. The low survival rate of these innovations mean European citizens and businesses are less ready to adapt to the expected increase in climate-related disasters. In 2016, these climate-related disasters - including forest fires, floods, droughts, extreme weather – wreaked more than €20 billion in damage in Europe alone.

BRIGAIID Inc. – (continuing) to bridge the gap

A solution: The Horizon 2020 project BRIGAIID (2016-2020) has supported innovators with innovation testing, business development, and outreach (visibility, networks, events) – and developed tested and proven tools, processes, and experience that can continue to support climate adaptation innovators. **To sustain this work, BRIGAIID partners are planning to establish a joint venture -'BRIGAIID Inc.'- which will exploit the developed knowledge, tools and network.**



2022 Vision: BRIGAIID Inc. is a sustainable organisation that transforms talented climate adaptation innovators into entrepreneurs, supports the development of their mid-stage innovations, and connects them to a network of end-users and experts – to improve climate-related disaster resilience throughout Europe.

As a **'one-stop-shop'** for supporting climate adaptation innovations, we will **transform** innovators into entrepreneurs and **connect** them with end-users and experts to **deliver** improved disaster resilience. This will include the following activities:

Innovation development support

- **Business Development Tools:** provide online tools for innovators to develop their innovation: the BRIGAIID MAF+ (market analysis tool), BRIGAIID PPIF (finance and funding support), online pitch deck training.
- **Coaching:** in-person business development and innovation testing support
- **Testing** access to facilities (e.g. Flood proof Romania) and expert support (TIF tool)

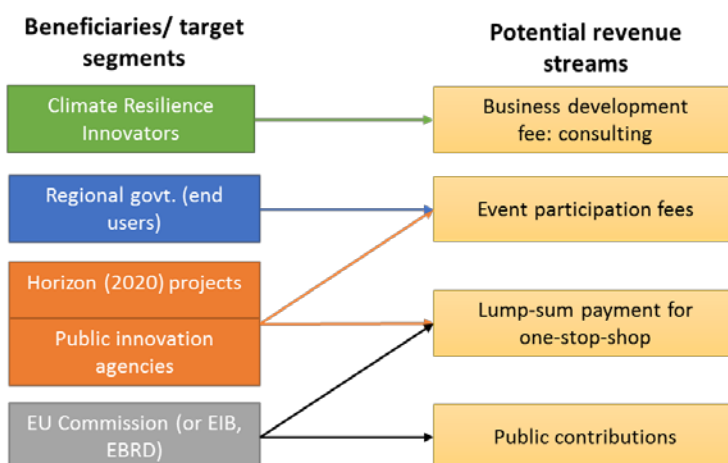
- **Online visibility** through www.climateinnovationwindow.eu
- **Network:** Linking innovators to each other and with end-users and experts to facilitate co-creation, financing, and implementation of innovations
- **Events** to showcase excellent innovators and facilitate communities of innovation that co-develop solutions with end-users
- **Expert access:** Providing climate adaptation and business expertise, drawing on the BRIGAID Inc. network and the BRIGAID project experience

Structure: A stand-alone **EEIG**, consisting of interested BRIGAID project partners. The EEIG will maintain BRIGAID Inc.'s core activities (the online tools and Climate Innovation Window, growing the climate adaptation innovation network, organising events). Specialised services (coaching, business development support, testing expertise, facilities, and support) will be sub-contracted to the partners.

Beneficiaries, value, and sources of revenue: Different beneficiaries will value BRIGAID Inc. for different reasons, which will open up different sources of revenue.

EU Commission: During the establishment phase of BRIGAID Inc. – and due to the positive externalities it generates – public support will be justified. This could come as a lump-sum payment (e.g. via Horizon Europe or Climate-KIC projects, or other public contract) or a contribution to core funding.

Innovators will initially be attracted to BRIGAID Inc. by our free online business development tools, online visibility, and network. Some of them will be willing to pay for additional support, i.e. in-person business development and testing expertise, to accelerate and ensure the coordinated development of their solutions.



Horizon 2020 projects/Public innovation agencies will contract BRIGAID Inc. as a proven one-stop-shop for climate adaptation innovation support and dissemination, and participate in network events.

End-users (regional/national governments, water boards, municipalities), will participate in events and engage in Communities of Innovation to find innovative solutions to their climate resilience challenges.

Others: Investors, universities, others benefit indirectly, but initially will not be a direct revenue source.

Timeline

