D6.2 Communication and dissemination plan and report (v2)

WP6 – Dissemination and Community Building

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Table of Contents

List of Figures

List of Tables

CLARITY Project Overview

Urban areas and traffic infrastructure linking such areas are highly vulnerable to climate change. Smart use of existing climate intelligence can increase urban resilience and generate added value for businesses and society at large. Based on the results of FP7 climate change, future internet and crisis preparedness projects (SUDPLAN, ENVIROFI, CRISMA) with an average TRL of 4-5 and following an agile and user-centred design process, end-users, purveyors and providers of climate intelligence will co-create an integrated Climate Services Information System (CSIS) to integrate resilience into urban infrastructure.

As a result, CLARITY will provide an operational eco-system of cloud based climate services to calculate and present the expected effects of CC-induced and -amplified hazards at the level of risk, vulnerability and impact functions. CLARITY will offer what-If decision support functions to investigate the effects of adaptation measures and risk reduction options in the specific project context, and allow the comparison of alternative strategies. Four demonstration cases will showcase CLARITY climate services in different climatic, regional, infrastructure and hazard contexts in Italy, Sweden, Austria and Spain; focusing on the planning and implementation of urban infrastructure development projects.

CLARITY will provide the practical means to include the effects of CC hazards and possible adaptation and risk management strategies into planning and implementation of such projects, focusing on increasing CC resilience. Decision makers involved in these projects will be empowered to perform climate proof and adaptive planning of adaptation and risk reduction options.

Abbreviations and Glossary

A common glossary of terms for all CLARITY deliverables, as well as a list of abbreviations, can be found in the public "CLARITY Glossary".

Executive Summary

The main goal of the Dissemination and Communication Plan is to raise awareness for the project activities and results in order to make CLARITY a successful project.

The first version of this document (v1) was developed in month six of the project including the dissemination and communication strategy. The content of sections "1 Introduction", "2 Communication and Dissemination strategy" and "3 Dissemination Management" (developed in v1) remains in this second version (v2) as guidance for the reader. Additional updates were included in these sections.

The communication tools used for disseminate the project have been updated in this deliverable. The second CLARITY web domain was set up in this period (MyclimateServices.eu) and the main features are reported in section "4 Communication tools". The social media section includes also the new YouTube channel and the overall strategy for MyClimateServices.

In order to disseminate project activities, CLARITY was presented in different events during the first year of the project. Scientific publications and detailed information of attended events are reported in section 5. Each of these events is reported in this document including the relevance for CLARITY. The End-users workshops carried out in year 1 have also been reported in section 6 as a dissemination activity.

The conclusion section closes the document summarizing main activities carried out during the first year of the project to disseminate CLARITY. Next steps and the strategy are also included in the conclusions section. Finally, CLARITY project material (postcards, brochures and posters) produced during the first year of the project has been added as annex at the end of the deliverable.

During the lifetime of CLARITY (the project is planned for 36 months) four version of the Dissemination and Communication plan are planned. As was mentioned before, the v1 was released in month 6 and this document (v2) includes the update content for the first year of the project (until month 12). The Dissemination and Communication deliverable will be updated at the end of the second and third year of the project.

1 Introduction

The main goal of the Dissemination and Communication Plan is to raise awareness for the project activities and results in order to make CLARITY a successful project in terms of exploitation of outcomes to the yet establishing and highly diverse market of climate services for diverse (industrial) sectors.

1.1 Prepare Communication and Dissemination Plan (Deliverable)

Basis for all considerations related with dissemination and communication activities are the objectives and the impact of CLARITY.

Main objectives of WP6[1] - Dissemination and Community Building - comprise

- **Create awareness** of the CLARITY climate services, *case studies, demonstrators and tools* among the relevant *stakeholders* in the climate and urban infrastructure planning and management sector, industries and civil society through effective dissemination of the project results to the relevant target audience.

- **Underline the excellence** of the CLARITY results, through scientific *publications and verification of the underlying models and assumptions by the relevant scientific community*, as a way to provide additional argumentation for use of the climate services by relevant stakeholders.

- **Build up and foster the CLARITY Community** with regional "chapters" involving *local* target sectors and stakeholders that are interested in specific CLARITY scenario(s), either as potential CLARITY end-users or as providers of the climate adaptation solutions that need to be taken into account in the planning process.

- **Support exploitation measures** in WP5. In particular, the task T6.3 - Stakeholder Engagement Tour closely relates to Task 5.4 - Climate Service Market Place.

- **Scientific Dissemination** is also included in the Dissemination and communication plan. At the end of the project is planned to publish the D6.6 (and D6.7) "CLARITY guideline" as a practical step by step guide to help stakeholders responsible for the management of urban and transport infrastructure to incorporate Climate Change and natural hazard adaptation in their preservation strategies.

The first version of the Dissemination Plan covers the overall strategy, activities and events in the first project year and the respecting partner roles and activities according to activities and results from all other work packages. Building on the first version and considering insight within the project it will be updated in further version.

The first project year addresses mainly co-creation, Climate Service requirements (end-users, exploitation), and CSIS architecture (CSIS - Climate Services Information System). Early stakeholder engagement will mainly cover the "demand side" and framework conditions and therefore will involve among others the relevant groups of spatial planners, urban planning, municipalities and the scientific community.

CLARITY[2] addresses broad and heterogeneous target groups; the classification in categories is a guideline for all participants to browse their respective networks for access to different groups and to contribute to the spread by providing contacts, visit and host events in their region and act as "ambassadors" for CLARITY as a whole and in their specific field of expertise. The consortium provides geographical coverage of the most of Europe taking into account the respective neighbouring countries:

Location of Partners	Reach *(by Geography, language, culture and established economic relations)*
SPAIN	Iberian Peninsula and Islands in Mediterranean and Atlantic Sea, South/Western part of France,

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[1] Description of Action part A page 29 (WP6 description)

[2] Description of Action part B page 28 (Section 2.2 Measures to maximize impact)

	South America
AUSTRIA and GERMANY	Central and Eastern European Countries, Danube Region, Benelux, Eastern part of France
SWEDEN	Northern European Countries, Denmark, Baltic Countries
ITALY	Italian Peninsula and Islands in the Mediterranean Sea, South-East European Countries

CLARITY - Categories of direct Target Sectors and Stakeholder					
Sector			local	regional / national	EU / Global
Scientific Sector	*Meteorology and Climate*	Universities, Research Institutes, Applied Sciences, research networks like EUREKA; cooperative research projects on national and international level			
	Spatial Sciences (Geography, Urban Planning, Spatial Planning)				
	Geo- and Environmental Sciences				
	Construction above and below surface including Architecture and Materials				
	Agriculture				
	ICT				
	Social Sciences related to Public Administrations and Security				
Public Services, Government	*Public Administrations*	Urban and spatial planning; land use regulations, operational planning and statistics (migration, demographic development), economic development	Cities and communities; first responders	Regional and federal bodies; ministries for environmental, economic affairs; internal affairs (disaster, security), health	EU DGs (Climate Action, Energy, Environment, CIVIL Protection, Internal Market, Maritime Affairs, Mobility and Transport, Communications Networks, Regional and urban policy, Neighbourhood), EU agencies, foreign administrations
	Legislative Bodies	including law enforcement	Regional Parliaments	National Parliaments	EU Parliament, EU Council; foreign legislative bodies; International Organisations - UN
	Infrastructure Providers Transport (public and private)	Erecting and maintaining of railways, roads, waterways, airports, harbours acting on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks			

	Infrastructure Providers (public and private)	Erecting and maintaining infrastructure for energy, water, waste management acting on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks		
Industrial Sectors	**Real Estate incl. Facility Management**	Professional developers and organizers of real estate projects for residential, commercial (e.g. shopping malls), industrial, public (e.g. stations, hospitals, schools) or mixed usage	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Construction (above and below surface)	Erection of buildings and infrastructure for account of a third party	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Plant Engineering	Build-up of industrial production equipment, utilities (excluding the building hull) including resources and disposal concepts	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Insurances	Compensation of economic damage after liability cases and disasters, risk assessment for possible damages; investment of assets, therefore role of investors as well	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Investment and Asset Management	Investment in financial, tangible and intangible (e.g. IPR) assets for profit; risk assessment of assets	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Finance	Financing of projects of various kind (real estate, infrastructure, innovation, private, public) by banks, other private organizations and individuals (e.g. crowdlending or loans for enterprises); risk assessment referring economic risks.	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Infrastructure Operators	Public and private bodies that operate businesses on third parties´ infrastructure on own behalf or for account of another (e.g. railway operation or run a cable car that is owned by a tourism association)	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
	Planners and Consultants	Experts that consult public and private provider and operators on erection, operation and usage of infrastructure and land use and assess preconditions and effects	Different actors on single level (e.g. only regional) or more levels with own affiliates or in cooperative networks	
Civil Society	**Inhabitants**		local interest	
	Citizen Scientists	organized in specific fields of research by scientific organizations (see above) mainly gathering field-data or preservation work	local interest	involvement on more levels e.g. research field related associations

	Local supplier	supply of local inhabitants, neighbourhoods with goods and services of daily need	local interest	
	Schools (teachers, students)	Projects in education on various topics and involving multiple subjects	local interest, connecting with other local stakeholder project related	involvement on more levels e.g. via subject related associations
	Environmental NGOs		mainly organized on international level with local/regional chapters	
	Private property owners	Residential and (small) trade real estate	local interest	involvement on national level via associations

Table 1: Categories of direct target sectors and stakeholders[3]

In the first project year 3 Milestones are planned:

Mile-stone	Milestone name	related work packages	Estim. Date
MS01	Initial workshops with end-users and exploitation requirements understanding	1, 5, 6, 7	M06
MS02	Climate Service requirements and plans for data collection; demonstration and validation; science and technology support	1,2,3,4	M08
MS03	CSIS Architecture, stakeholder engagement and initial assessment of project objectives	4,5,6,7	M12

Table 2: Planned milestones (year 1)

The overall goal of dissemination activities is to bring CSIS to the market considering the overall philosophy:

− making best use of existing experiences and know-how

− sharing and open access to all results of the projects

The first year of the project will lay the groundwork for CLARITY products and services, thus the main activities will be gathering of market intelligence and **activate stakeholder** as future users, customers and influencers.

In addition, a professional list of networks has been identified for CLARITY community building activities. The following table shows the name of the network or community and details for each network. Communities and networks will be addressed when CLARITY has insights to share with them or is ready to take up their inputs; this will mainly be useful when first prototypes will be available.

Name of network / community	Types of individuals / professions organised in this network	Relevance for CLARITY, in terms of communication, dissemination, exploitation
IFIP WG 5.11 – Computers and Environment http://ifipwg511.org	Scientific Community	Relevant for Dissemination activities. See member list http://ifipwg511.org/index.php?page=memberlist.php) Demonstrates the outreach in the environmental domain worldwide.
OGC	Standardisation / Scientific Organisation	Relevant for Dissemination and Standardization (standardized service/ interface development in the area of sensor observations (etc. used in Sensor Monitoring Networks). Relevant OGC Working Groups: **Sensor Web Enablement DWG** (Sensor Web DWG); **Emergency & Disaster Management**

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[3] Description of Action part B page 28 (Section 2.2 Measures to maximize impact)

		DWG (EDM DWG); Earth Systems Science DWG (ESS WG)
iEMSs	Scientific Society	Relevant for Dissemination: International Environmental Modelling & Software Society
Climate Change Centre Austria (CCCA) http://www.ccca.ac.at	Scientific Society	Network of 24 Austrian institutions active in climate research. Information exchange network and organizer of reports, seminars, workshops and conferences to inform the public about climate change topics.
HIRLAM (HIgh Resolution Limited Area Model) http://hirlam.org	European meteorological institutes	Support during the project execution, dissemination of results
IAUC (International Association for Urban Climate) http://www.urban-climate.org/	scientific, scholarly and technical experts in urban climate and micro-scale processes	Dissemination of results
EUMETNET http://www.eumetnet.eu/	European National Meteorological Services	Dissemination of results
Web site of PLINIVS Study Centre/ www.plinivs.it	Engineers, Geophysicists, Volcanologists, Hydrogeologists, Territorial planners, Architects, Sociologists, GIS experts.	PLINIVS Study Centre is a Research Structure of Architecture Faculty of University of Naples Federico II, specialized in vulnerability and impact assessment at territorial scale under effect of natural hazards. PLINIVS web site can inform researchers, professionals, local and international organizations, can be future users of CLARITY platform.
Umweltbundesamt	Authority	Relevant for Dissemination and Exploitation: Federal Environmental Agency Austria, Vienna
EEA	Authority	European Environmental Agency, Copenhagen; in particular climate portal CLIMATE-ADAPT http://climate-adapt.eea.europa.eu/
AXA, MAPFRE	Insurance company	Relevant for ATOS' exploitation of CLARITY results concerning environmental, climate change and natural hazard risk analysis and their direct and indirect link with in economic losses in different sectors (e.g., tourism, agriculture, infrastructure, etc.)
Association of Italian Chamber of Commerce abroad (www.assocamerestero.it)	Business community	CLARITY presentation and result dissemination to Italian companies in over 50 countries all over the world
Observatory for research in conservation www.investigacionenconservacion.es	Research community	CLARITY presentation and result dissemination to Spanish researchers
Spanish Technological Platform of the Construction sector http://www.plataformaptec.com/	Business community	Dissemination of results. Acciona is a member of the platform.
Web site of Acciona http://www.acciona-infraestructuras.com/es/	Business community	Dissemination of results
Planetic-Spanish Technological Platform for the dissemination of ICTs http://planetic.es/	Business and research community	Dissemination of results
Spanish Technological Platform of the Roads sector http://www.ptcarretera.es	Business and research community	Dissemination of results. Acciona is a member of the platform
FEHRL (http://www.fehrl.org). Forum of European National Highway Research Laboratories	Research community	Dissemination of results
PTEC (http://www.plataformaptec.com). Plataforma Tecnológica Española de la Construcción	Business and research community	Dissemination of results
OPPLA (http://oppla.eu/). Hub of knowledge about ecosystem services and nature based solutions	Business, practitioners, stakeholders and research communities	Dissemination of results. Membership of Oppla is free and includes access to multiple services, such as: a crowd-sourced enquiry service, a marketplace for promoting the outputs of

		projects, a networking system within the Oppla community, and a tool for sharing and browsing examples of worldwide practices. Oppla is promoted by the EC.

Table 3: Initial list of networks for CLARITY[4]

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[4] Description of Action part B page 103 (Annex, table 12)

2 Communication and Dissemination strategy

Dissemination is an integral part of the project activities that includes the involvement of stakeholders through evaluation and specific community building tasks.

The dissemination plan is the baseline for coordination of all dissemination activities of the project partners in order to generate synergies and ensure an efficient dissemination at regional, national and international levels. The following sections describe the overall dissemination strategy of the project.

2.1 CLARITY Dissemination and Exploitation

Dissemination activities are highly interconnected with exploitation. Market research and competitive analysis will indicate

- what´s needed (or wanted) most and shortly
    o by user as well as
    o by policy makers, authorities, financing institutions (e.g. development banks, International Monetary Fund)
- what existing climate services provide and which target groups they serve

This will help to structure dissemination activities and means and secure efficient use of resources. CLARITY activities will be complementary to other projects and initiatives; joint efforts will maximize benefit for a growing community.

2.2 Dissemination Tasks and Activities

Dissemination Tasks

Awareness

Positioning and increase of the awareness level of Clarity among all stakeholders through targeted communication activities on the international, national and local level - communication via website/marketplace/blog, social-, general- and specialized media, e-mail, events, meetings and channels of network partners, opinion leaders and testimonials.

Acquisition

Direct address of relevant stakeholders plus animation to visit the Clarity marketplace, channels and events, to register and to become a dedicated member of the Clarity community by using the most effective communication channels, topics, contents, arguments and offers per target group and involving them into the Clarity set-up/development process.

Retention & Engagement

Creation and management of a vital Clarity community involving all relevant stakeholders and animating them to become active as often as possible and interact with each other intensively:

- "prosume"
- contribute, link, mention, recommend CLARITY information hub
- promote, contribute, embed CLARITY in own professional environment
- use and/or buy services, contents, features and tools
- participate at events, workshops and meetings regularly

This will be fostered by providing really attractive targetgroup-relevant services, contents, features, tools, programes, offers and incentives, all necessary technical functions, an easy-to-use navigation, intelligent push-, pull- and interaction concepts as well as a very professional community management/moderation.

Dissemination Activities

Website	The "core" for all communication activities - marketplace plus multimedia content, news, community features, user registration etc., section 4.2
Social Media	Networking, community building and sharing of news and content via LinkedIn, Twitter, YouTube, Instagram, Slideshare, Pintarest etc.
Events	Organization of 3 anchor events as well as further local activity- and topic-related press conferences, work shops and meetings. Joint events with sister projects (section 3.3) in order to optimize impact and resources
Communication	Ongoing community building and management, personalized communication with stakeholders, mailings, public relations etc.
Campaigns	− "Prosumer" campaign, − "Global Experts coach Local Initiatives" campaign, − "Climate Change Changer Award" campaign (all working titles, placeholder) Annual campaigning according to project progress.
Content	Content production (videos, reports, articles, posts, blogs etc.) plus handling of content which is provided by experts, prospects and end-users, partners etc.

Table 4: Dissemination activities

2.3 Target Groups

Target groups for CLARITY dissemination activities according to stakeholder sectors; the target group structure is mirrored in the consortia - every partner fits in as a role model and therefor can communicate

typical fields of application for CLARITY with high credibility. Their usability is proved in the respecting use cases.

Scientific Sector	Contributes and sells know-how and scientific data which can be used for the development of new tools, content and services Partners as role models: **ZAMG, SMHI, AEMET, PLINIVS-LUPT**
Public Services & Government	Collaborate with CLARITY for the development of new tools, and recognize CLARITY tools and services as standard and recommend to use them officially Partners as role models: **StockCity, CABJON, Linz, Napoli, CEDEX**
Industrial Sectors	Use and buy CLARITY services and tools, contribute their experience, projects and use cases and recommend CLARITY to others Partners as role models: **ACCIONA, CEDEX, StockCity, CABJON, Linz, Napoli**

Technology Partners	Provide interfaces enabling an easy exchange of data, content, tools etc. between CLARITY and other relevant systems Partners as role models: **AIT, ATOS, CIS, EUREKA**
Dissemination Partners	Promote, recommend, quote link and report about CLARITY and organize combined events, projects, programs and campaigns with CLARITY Partners as role models: **Meteogrid, PLINIVs-LUPT, WSP, SCC**

Table 5: Target groups

2.4 Quality Management

In order to ensure the effective management and implementation of the dissemination activities, the Dissemination and Communication plan has to set down rules and criteria. Althouhg this section will be updated including internal procedures regarding CLARITY publications, deliverable D7.7 (Quality and Ethics Plan) describes the standard acknowledgment and disclaimer.

- EC Acknowledgment

All the documents related to CLARITY (deliverables, presentations, papers, newsletters, leaflets etc.) shall contain the following statement: *"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730355."*

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Figure 1: CLARITY Disclamer

3   Dissemination Management

All partners will take part in Dissemination activities in order to contribute to draw target groups attention to CLARITY project.

3.1   Role of partners

Each partner will have a dedicated role for the dissemination of general information about the project. As mentioned above every partner acts as a role model for CLARITY´s different stakeholder and target groups.

Besides partners take an active role in disseminatation related to their region and their field of expertise.

Partner Smart Cities Consulting (SCC) will act as "service provider" for all partners and assist in all respects upon request by regional partners excluding strictly local issues (like venue, catering etc.)

Distribution roles have the following structure:

Role	Description	Contribution	Partners
Host of events	This role has 2 functionalities: a) Partners hosts an event of any sort where it makes sense to present CLARITY b) Partner´s expertise grants him an invitation at a matching event to solitaire present CLARITY (e.g. conference of mayors, urban planners; SC services presentation; meteorological conference; meeting of public infrastructure operators)	− Organize local issues (venue or invitation) − Plan and prepare CLARITY presentation − Promote CLARITY with the event agenda − Call up and coordinate for the event relevant contribution from the other partners − Invite attendees and follow up after the event (or hand over the contact management to SCC)	Climate Experts: SMHI METEOGRID ZAMG PLINIVS-LUPT AEMET End Users: StockCity, NAPOLI, CABJON, LINZ, WSP Sector-Transport: CEDEX, ACCIONA Technology and IT: ATOS, AIT, CIS, EUREKA
Attendee of events	Attend events as a visitor that may have relevance for CLARITY	− Make contacts, gather business cards and promote CLARITY to other visitors (or the event host) − Follow up after the event (or hand over the contact management to SCC)	This is a personal contribution and voluntary! All persons involved
Regional contact points - by expertise	Will be addressed by interested parties in their region (see Table "Location of Partners" in section 1.1) - by other municipalities - by interested scientific parties - by governmental/public stakeholder - by the interested public	The "face of CLARITY" in their region and relevant community. − Follow up after contacts were made on regional level − Contact management will/may be centralized and serviced by CLARITY back office (SCC, ATOS)	All partners in SPAIN AUSTRIA & GERMANY ITALY SPAIN
Contact point for tools and services	Will be addressed by interested parties globally	The "face of CLARITY" in technological respect.	ATOS

	- by interested technological partners - for service integration	− Follow up after contacts were made on regional level Contact management will/may be centralized and serviced by CLARITY back office (SCC, ATOS/AIT)	AIT CIS EUREKA
Contact point for industrial sectors	Will be addressed by interested parties globally - by interested partners from their industries	The "face of CLARITY" in their industrial sector. − Follow up after contacts were made on regional level Contact management will/may be centralized and serviced by CLARITY back office (SCC, ATOS/AIT)	ACCIONA CEDEX
Content creation	Section "Dissemination activities above"; targets also EXISTING content at the partners (e.g. from other projects) and will provide CONTEXT for Clarity objectives and activities! Editorial content for marketplace (outbound-website) and social media.	− Provide or give access to any kind of content that may be useful to support the spread of CLARITY. − Act as Expert − Contribution on personal level e.g. a blog (or host one) − Integrate CLARITY in partner´s dissemination activities on own behalf	All partners, coordination by SCC SCC´s editorial team All persons involved!

Table 6: Dissemination roles in CLARITY

Details refering each partner are available via the CLARITY website http://clarity-h2020.eu/consortium.

3.2 Time schedule of CLARITY dissemination activities

The following timetable is indicative for dissemination activities; as stakeholder and target group involvement requires results to some practical extend and is in CLARITY closely related with the Demonstration Cases.

Community building activites via outbound-website will start at the end of the 2017. It will have web magazine character and also aim at connecting with other ongoing Climate Service projects and activities; additionally it will show some activities at the demonstration sites.

A replicable concept for end user workshops is under development; end user workshops are planned to start in Sweden in Q1/2018.
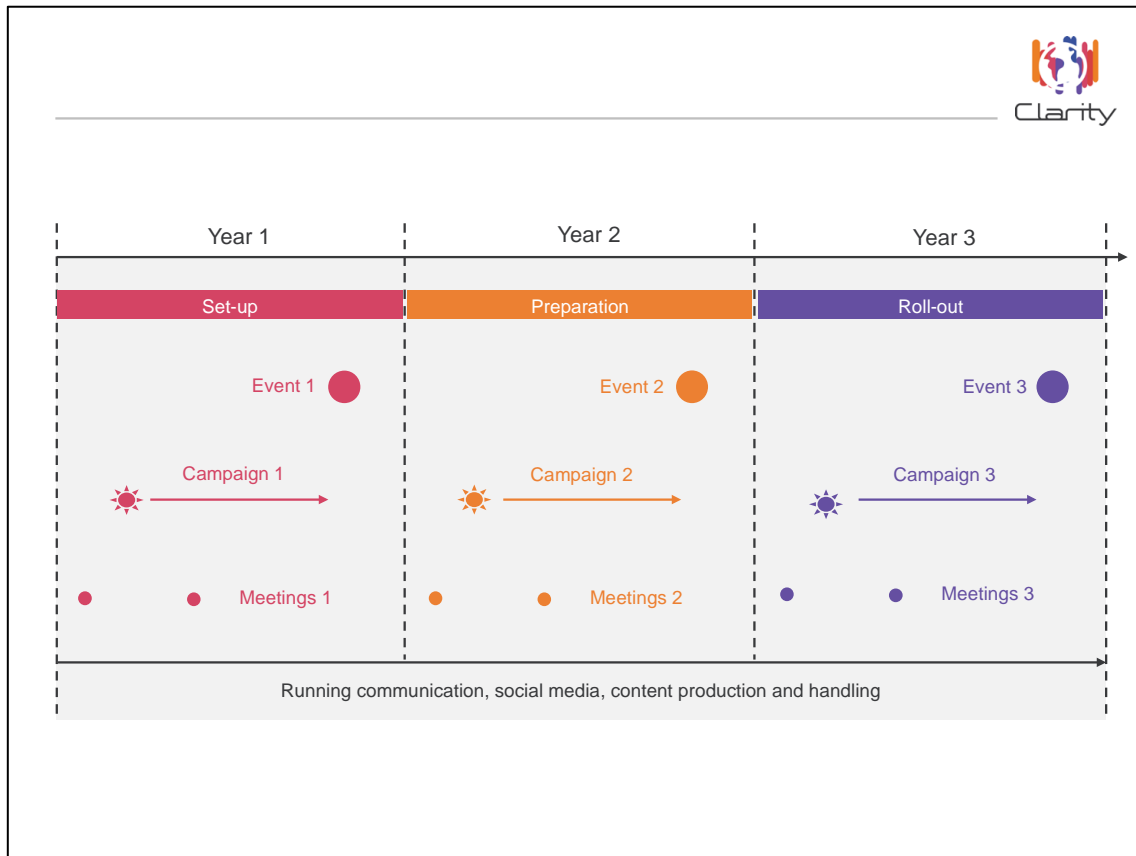
Figure 2: CLARITY timetable

The websites "myclimateservice.eu" and "clarity-h2020.eu" play the major role in implementing the dissemination strategy (see section 4.2 CLARITY public website) and the editorial plan will be the guideline for content production. Comminication means and materials will be produced according to the inital communication plan.

Activity	Description	
Press releases for private and public (consumer) media	• Raise awareness for CLARITY, foster frequent website visits; "convenience" product for journalists • local interest, local languages • Download from CLARITY and partners´ websites	Starting Q1/2018; frequency depending on events of wider interest (demonstration cases)
Leaflets/brochures (section Media production)	• To be distributed on attended events • Swap with other initiatives, projects • All partners can distribute them	Layout Q4/17, variations per region/use case according to partners´needs
TV and Radio programs, e.g. Euranet Plus (http://euranetplus-inside.eu)	• Evaluation od suitable channels including terms and conditions • Distribution and sharing according to our website strategy	Planning Q4/17, media distribution plan per quarter - postponed to Q4/2018
Online and Social Media activities	Detailed description (see sections 4.2, 4.3)	
Workshops and talks	• Planning for events and appropriate attendance in progress; CLARITY presence • Concept for end user workshops under development • End user workshops	Planning Q3-Q4/2017 Events Q1-Q2/2018 Starting Q1/2018

Table 7: Dissemination activities (Traditional media and Social media)

3.3 Relation with other initiatives

We are obliged/motivated to connect with sister projects from our call in order to yield synergies. For dissemination this means broaden awareness in all (different) stakeholder groups, reinforce each other with complementary dissemination measures like events and thus assure best use of resources (value-for-money).

For first approach three projects from the same call are identified:

Project	Project title	Start date	End date
PUCS (now CLIMATE-FIT)	Pan-European Urban Climate Services	2017-06-01	2019-11-30
http://climate-fit.city		Objective[5]	
"Urban areas are very vulnerable to climate change impacts, because of the high concentration of people, infrastructure, and economic activity, but also because cities tend to exacerbate climate extremes such as heat waves and flash floods. The objective of the Pan-European Urban Climate Service (PUCS) project is to establish a service that translates the best available scientific urban climate data into relevant information for public and private end-users operating in cities. This will be achieved by demonstrating the benefits of urban climate information to end-users, considering the sectors of energy, cultural heritage, mobility, energy, health, and urban planning."			

Project	Project title	Start date	End date
CLARA	Climate forecast enabled knowledge services	2017-06-01	2020-05-31
http://www.clara-project.eu		Objective[6]	
"Climate variability and change (CVC) embody sizeable economic, social and environmental risks in Europe and globally. Climate services (CSs) (Brasseur and Gallardo, 2016; Brooks, 2013; Lourenco et al., 2015) are essential for catalysing economic and societal transformations that not only reduce these risks and/or improve societal resilience, but also unlock Europe's innovation potential, competitiveness and economic growth. As a part of European efforts to catalyse the potential of climate services for more efficient natural resource management and improved disaster risk management and resilience, the CLARA project will boost innovation and uptake of climate services based on front line seasonal and decadal forecasts and climate projections. Building upon the advancements in climate modelling and science in the context of the Copernicus Climate Change Service (C3S), the CLARA project will illustrate genuine benefits and economic value of CSs in the face of climate variability and short-term climate change."			

Project	Project title	Start date	End date
H2020_Insurance	Oasis Innovation Hub for Catastrophe and Climate Extremes Risk Assessment	2017-05-01	2020-04-30
https://h2020insurance.oasishub.co		Objective[7]	
"Globally, there is increased concern of the potential impacts of extreme climate events and their impact on loss and damage of people, assets and property as a result of these events. Therefore, natural partners in using climate services to assess risk are the Global Insurance Sector, who are key implementers in increasing societies resilience and recovery of extreme events and who are integral, co-design partners in this programme. This project intends to operationalize a system, called the Oasis Loss Modelling Framework, that combines climate services with damage and loss information and provides a standardised risk			

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[5] Summarized abstract from CORDIS; link to project description in full length:
http://cordis.europa.eu/project/rcn/210509_en.html
[6] Summarized abstract from CORDIS; link to project description in full length:
http://cordis.europa.eu/project/rcn/210522_en.html
[7] Summarized abstract from CORDIS; link to project description in full length:
http://cordis.europa.eu/project/rcn/210519_en.html

assessment process that can assess potential losses, areas at most risk and quantify financial losses of modelled scenarios. We intend to prove the Oasis LMF system through undertaking a range of demonstrators linked and co-designed to 'real' situations and end-user communities in the insurance, municipalities and business sectors (see list of partners & collaborators)."

Table 8: Relation with other intitiatives (same call)

Two very interesting projects besides the ones from our same call were detected, both in progress yet - EU-MACS and MARCO.

Project	Project title	Start date	End date
EU-MACS[8]	EUropean MArket for Climate Services	2016-11-01	2018-10-31
http://eu-macs.eu		Objective	

"The overall goal of EU-MACS (EUropean MArket for Climate Services) is to make the wealth of climate information truly accessible and applicable for a large variety of potential climate service users. In cooperation with current and potential CS users the EU-MACS project will develop mechanisms that should assist both CS providers and users in better matching their products, capabilities, and needs, while at the same time also smoothing the processes for search, selection, tailoring, and (decision oriented) using of climate service products. This needs to be done without compromising the validity of the information while ensuring a continuation of scientifically validated improvements of the involved observation, modelling, data processing and reprocessing, database structure and access, data meta-information, data interpretation guidance, as well as service delivery technologies. For quite some user segments and for various climate service innovation options better matching of supply and demand and better organized meta-information does not suffice, but awareness levels and incentive structures and related regulation need to be considered as well. The project also addresses these decision making contexts of climate services at user and sector level."

EU-MACS addresses the following sectors: finance, urban planning, tourism and climate services.

Project	Project title	Start date	End date
MARCO[9]	MArket Research for a Climate Services Observatory	2016-11-01	2018-10-31
http://marco-h2020.eu		Objective	

"MARCO will provide a 360° view of the climate service market" and "run for two years and involves 11 partners from six countries across Europe. Coordinated by the European Climate-KIC, it gathers market research firms, climate scientists, climate services practitioners and innovation actors to provide **detailed insight into the climate services market in Europe**.

In addition to assessing this market, the project will carry out case studies, forecast future user needs, assess market growth until 2030, unveil opportunities, raise awareness and connect service providers and users.

Finally, the recommendations made by MARCO to policy-makers may enable the creation of an EU climate services market observatory that will help monitor and evaluate the growth of the market."

Table 9: Relation with other intitiatives (different call)

Next steps and tactics

If we want to position CLARITY as a major collaboration/information hub respecting climate services, we will have to present a modern communication strategy tapping the full potential of digital opportunities and tools as well as sound physical coverage in our regions (geographical and sectorial; cities).

CLARITY consortia will contact the relevant coordinators and dissemination partners and negotiate conditions for joint communication. Baseline will be "quid quo pro" for mutual announcements.

Experiences from these activities will pave the way for a structured third-party partner concept during the following years.

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[8] More information of the project is available at http://cordis.europa.eu/project/rcn/206092_en.html
[9] More information of the project is available at http://cordis.europa.eu/project/rcn/206161_en.html

It will be favourable to investigate other projects and initiatives related to climate change services on European and global scale and to strive for mutual exchange. This will be an ongoing activity and outcomes published on the website frequently.

4   Communication tools

This section includes the different tools used to disseminate the project results.

4.1   CLARITY logo

Figure 3: CLARITY logo

4.2   CLARITY public websites

For CLARITY two web domains were registered, "clarity-h2020.eu" and "myclimateservice.eu". In order to secure further efforts for brand development and sustainability after the H2020-project neighbouring domains were registered as well: "myclimateservices.eu", "myclimateservices.com", "myclimateservices.net", "myclimateservice.com", "myclimateservice.net", "myclimate.service".

The content of both domains is detailed in the following sub-sections (4.2.1 and 4.2.2).

MyClimateService.eu is intended to be the outbound portal and entry point for using and ordering climate services and tools. It will be the "outbound" site for eco-system building and attract all stakeholder sectors; it will be placed as an attractive web magazine on climate change with easy to acquire but sensed as useful information.

CLARITY will make strong effort to promote and spread "myclimateservice.eu" (e.g. design for search engine optimization, innovative content formats, and extensive video integration).

Next steps to develop and promote myclimateservices.eu will be

- Develop layouts for all subpages and features

- Develop editorial planning for subpages and features (ongoing, forecast 3 months)

- Introduce demonstrators and partners including persons

- Acquire content from sister projects and related projects more advanced

- Support connections and reach in social media

- Establish stakeholder contacts including (local) media, EC

- Acquire first wave of registered users

- Develop and start of campaign 1 – "Prosumer"

4.2.1   CLARITY_2020.eu

The public CLARITY website (http://clarity-h2020.eu/) was set up in July 2017 (second month of the project). The D6.5 deliverable (CLARITY website), which was submitted in August 2017, describes the initial content of the project website.

Since the release in July 2017, the website has evolved changing the appearance and adding new content related to project activity. Figure 4 shows the project homepage where have been added social media links.

Figure 4: CLARITY website (homepage, May 2018)

In addition, the latest project news are now showed in the homepage in a dynamic window which change the basic information of the different news published. The following figure shows two of the news showed dynamically in this window.
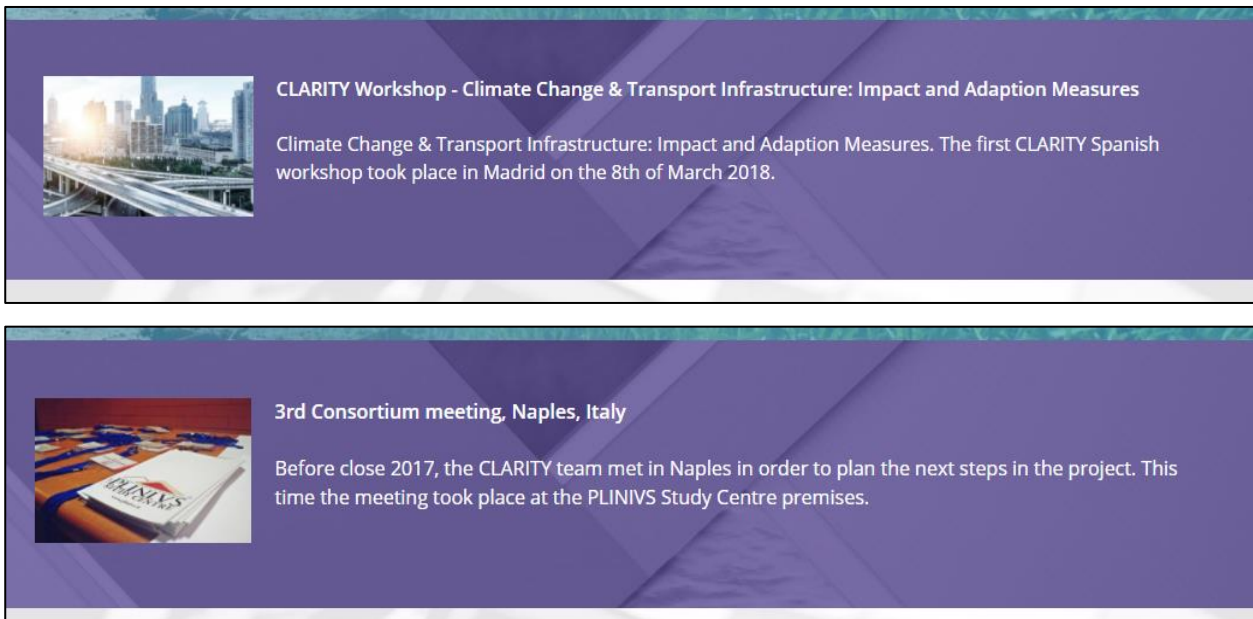
Figure 5: CLARITY website (latest news in the homepage)

The homepage content is completed with the list of project events and the latest Tweets of the @CLARITY_h2020 account (see Figure 6).

Figure 6: CLARITY website (homepage, events and Tweets)

The website has also been updated in order to include detailed information of the project workshops. From now on, it is available a specific type of content in the project website to publish under each workshop all the related information (such as presentations, short description, speaker and links).

Figure 7: CLARITY website (details to be published for each workshop)

The following figure shows the details of one of the presentations for a specific workshop (in the example is presented the first presentation of the CLARITY workshop which took place in March 2018 in Madrid). This sub-page includes a short description, the speaker's name, attached files, links and a picture of the presentation.

Figure 8: CLARITY website (Sub-page details for a workshop)

The CLARITY website will be updated during the project lifetime adding new functionalities and new content.

4.2.2 MyclimateService.eu

Myclimateservice.eu is the outbound service of the CLARITY project. It aims to build up and service a vivid community interested in climate change adaptation and is the entry portal to the marketplace which provides access to data tools and expert services.

The website is the media for the (joint) exploitation strategy (D5.3[10]) and its further development therefore closely related to this.

According to the aforementioned strategy, our website shall be structured as follows (see Figure 9 and Figure 10):
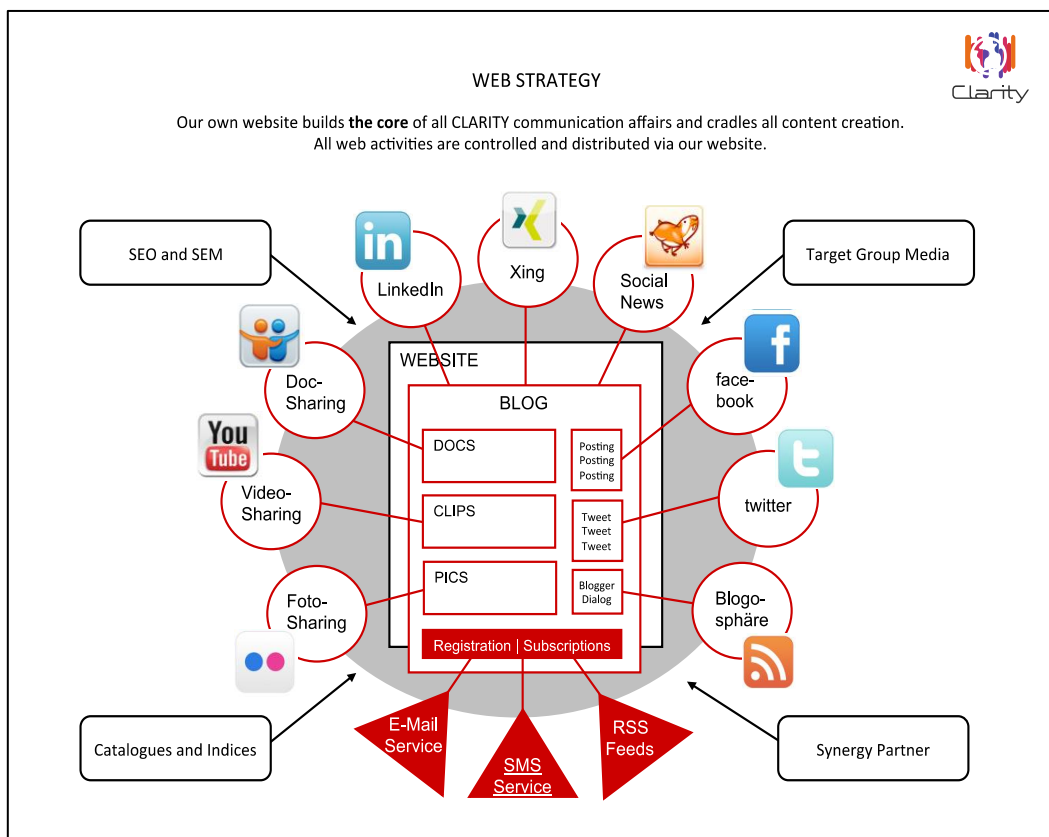
Figure 9: Web strategy

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[10] Exploitation and business plan (v1). Deliverable D5.3 of the CLARITY project, 2018
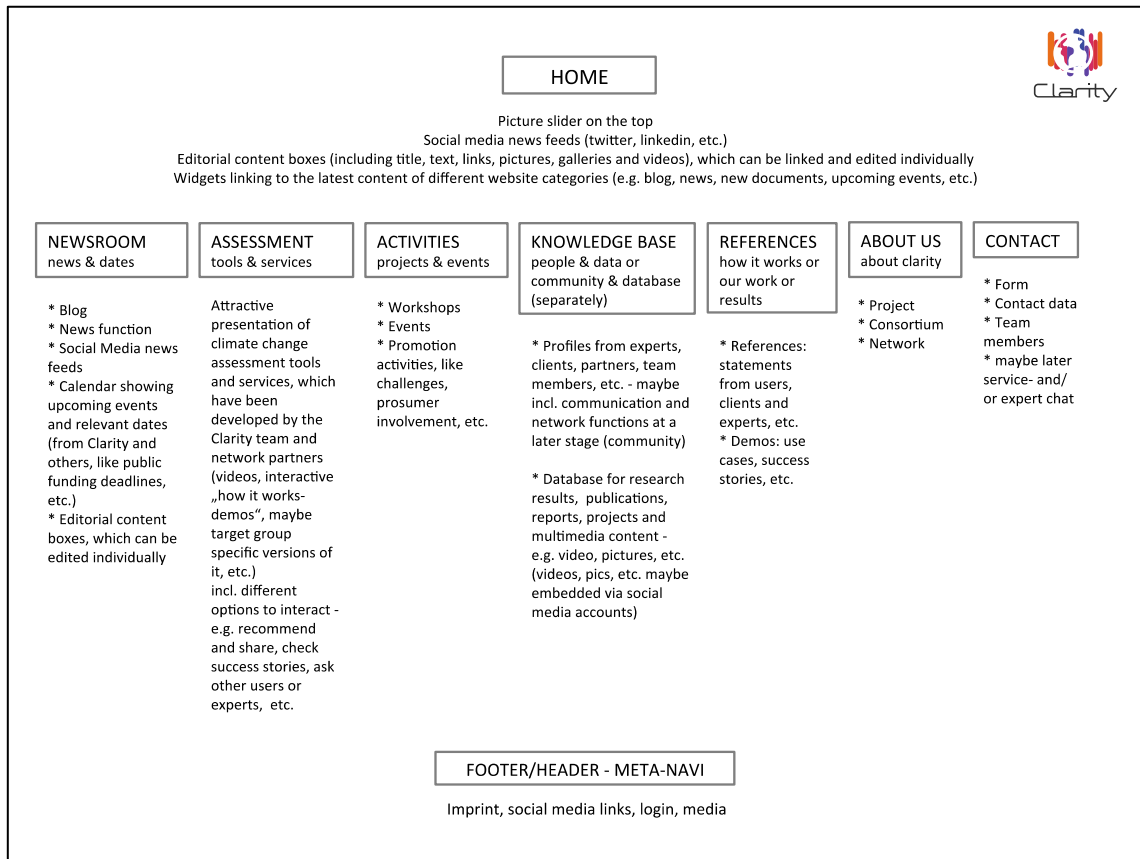
Figure 10: Web structure

The website was released in March 2018 to introduce the CLARITY concept and approach to the communities and to invite third-party organizations (e.g. sister projects, projects from different calls, other climate change and climate services initiatives like ERA4CS) to participate.

It is intended to enlarge the offer continuously along the digitized workflow of the EU-GL; incremental integration will be realized e.g. via sublevel domains (e.g. profiles.myclimateservices.eu).

An own logo was developed to emphasize the meta-level and character as a platform for climate services and as visual support for upcoming branding efforts. (If we manage to establish a diverse partner structure it can be used e.g. as a seal by them.)

Figure 11: MyclimateServices Logo

According to the close connection with the marketplace the functionality of the website will be built up step by step; new content will be published on two-weekly term and additionally promoted via social media channels and search engine optimized.
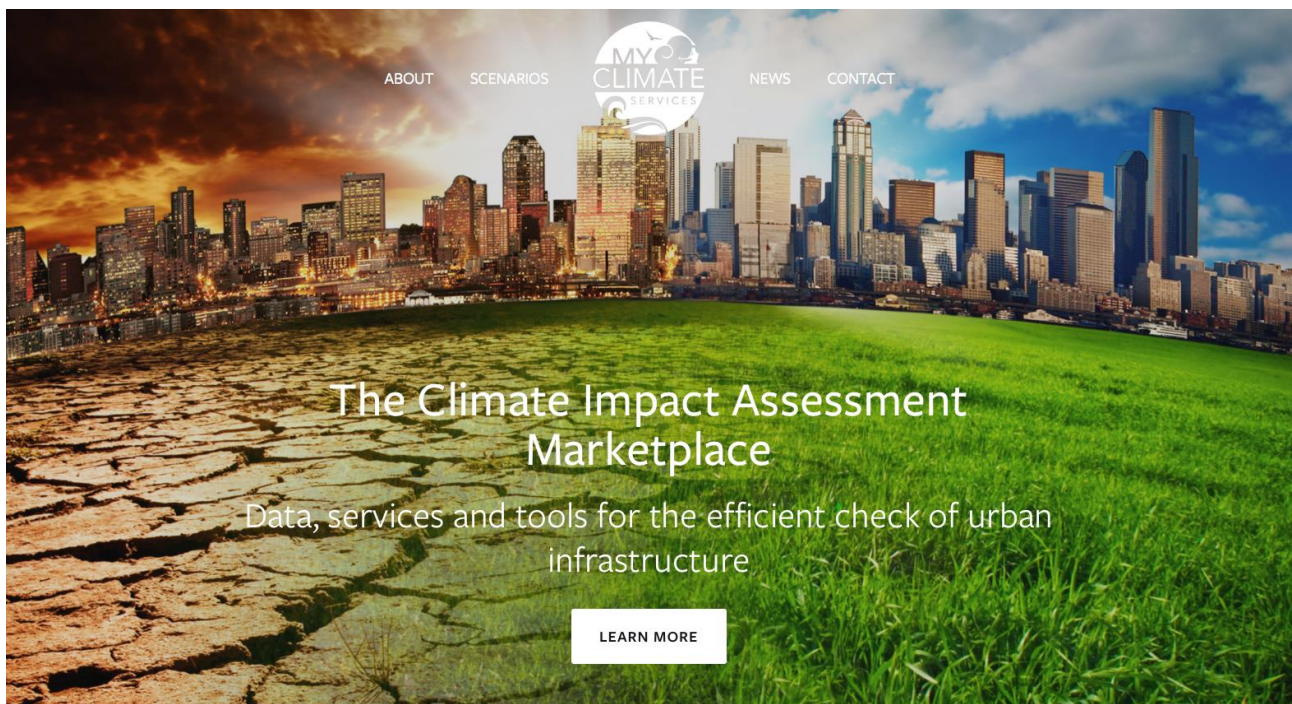
Figure 12: MyclimateServices https://myclimateservices.eu

Urban climate change challenges are derived from the Clarity Demonstration Cases and introduced as "Scenarios"; global relevance is shown by a LATAM scenario. https://myclimateservices.eu/showcases/

Figure 13: MyclimateServices. Scenarios

Clicking on the "Learn More" button leads to specific articles.

Figure 14: MyclimateServices. Scenarios (details)

Articles are collected in chronoligical order on the "News" page. https://myclimateservices.eu/news/
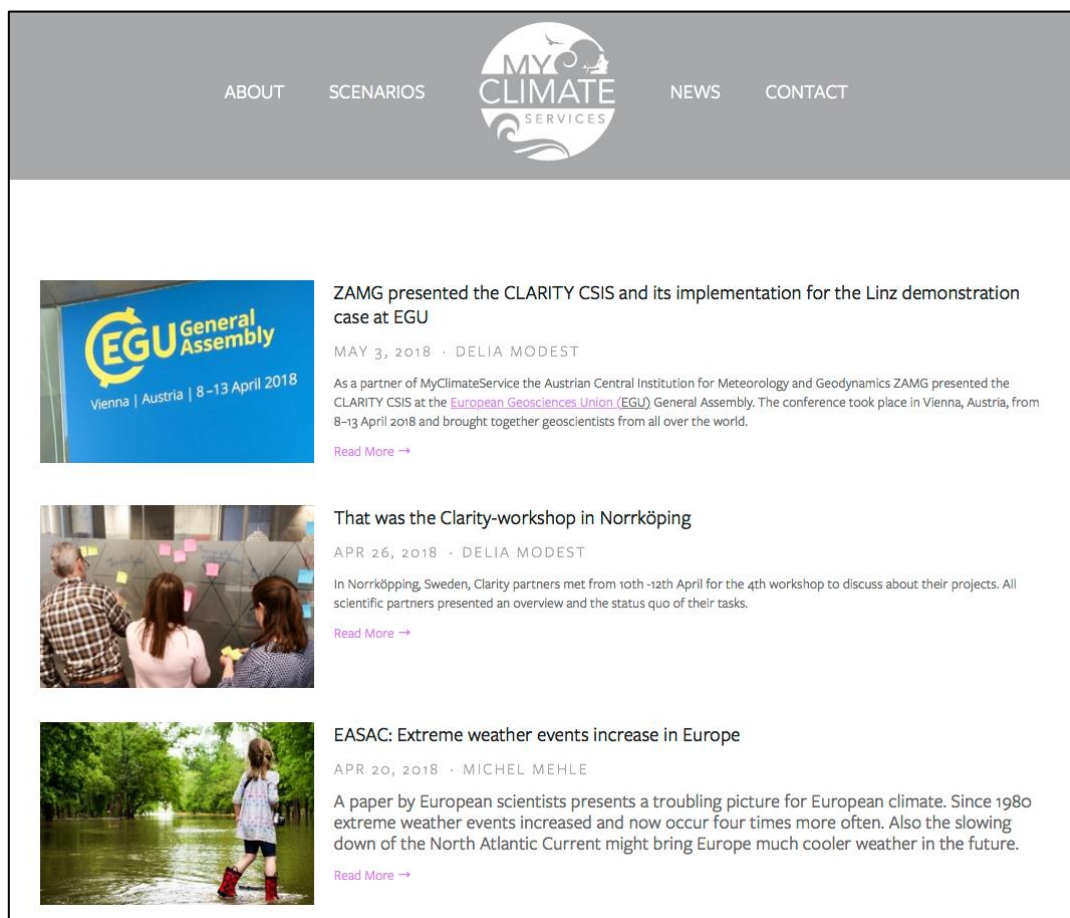
Figure 15: MyclimateServices. News section

With integration into the CSIS architecture the feature set will be increased and e.g. Knowledge Base and Tools made available.

4.3   Social Media Strategy

Social Media coverage is used to get connected with stakeholder and to directly engage peers from different climate services activites. At the early phases of the project all online activities aim to raise awareness for usage and benefits for climate services cross-disciplinary and to intruduce digitized EU-GL as a method for practitioners to assess and organize climate adaptation for e.g. urban infrastructure.

Social Media is used for dissemination of project results and for communication with professionals of all sectors dealing with decisions related to infrastructure; overall goal is to support exploitation measures on all levels (joint exploitation, individual exploitation) and to foster extended collaboration within and outside of the CLARITY consortia.

During the first year of the project was set up the Twitter and YouTube project accounts. In order to promote the CLARITY results, the use of these accounts will increase during the second year of the project.

The Twitter profile follows the identity and appearance of the project, using the same layout that the website and the CLARITY logo. Figure 16 shows the profile of the Twitter account (@CLARITY_h2020) which is also available at https://twitter.com/CLARITY_h2020.

Figure 16: CLARITY_h2020 Twitter account

The CLARITY YouTube channel was set up in March 2018. This channel currently includes a set of videos of the first Spanish workshop which took place in Madrid (see Figure 17). Current publications are available through the following link: https://www.youtube.com/channel/UCMqiFXPzHjyw4YMT31KoPTg/videos.
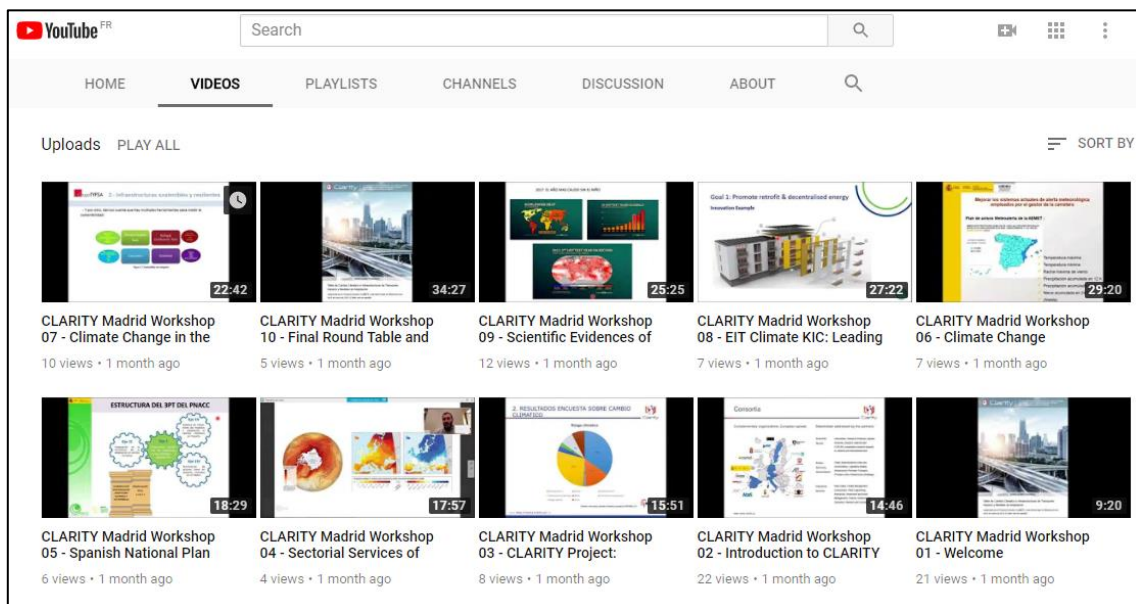
Figure 17: CLARITY YouTube channel

4.3.1 MyclimanteServices social media

As myclimateservice.eu intends to become a platform for the climate service ecosystem own social media accounts were established and are operated in close connection to the platform site. The development of an own brand for marketplace activites shall make it easier for other projects and initiatives to engage with the platform to promote their results and offer their services.

To connect with different communities and people in their professional occupation an organization site on LinkedIn is operated and posting in various personal networks is prepared; LinkedIn has the potential to even generate business leads, which will be relevant for ecosystem development. https://www.linkedin.com/company/myclimateservices/
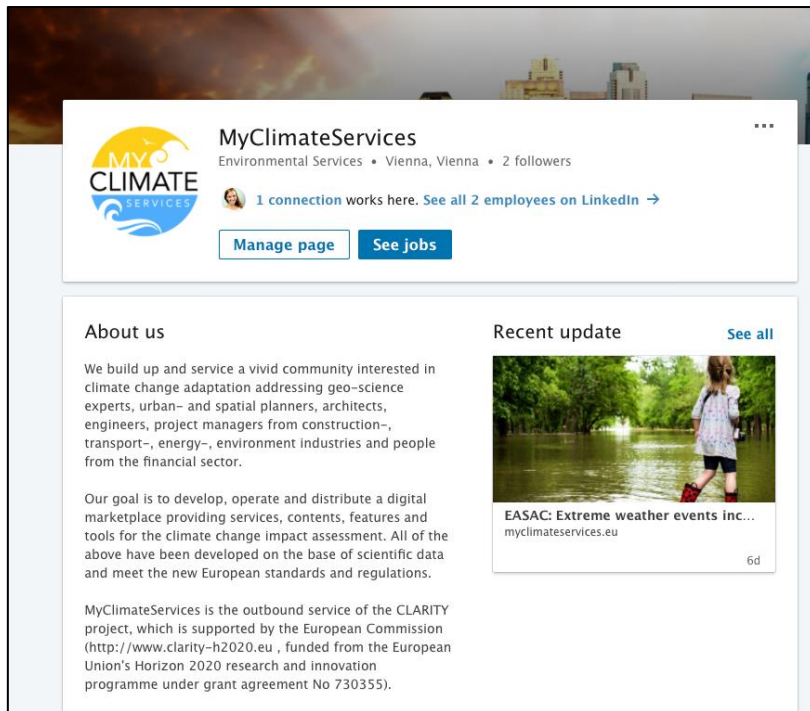
Figure 18: MyclimateServices LynkedIn

The following figure shows the Twitter profile of MyclimateServices available at https://twitter.com/MyClimateServic

Figure 19: MyclimateServices Twitter account

Posting on Instagram is used for promoting climate adaptation in more "lightweighted manner" and to organize and even acquire pictures related to locations and climate change: https://www.instagram.com/myclimateservices/

Figure 20: MyclimateServices Instagram profile

4.4 Media production

In order to disseminate the project results, printed and electronic publications will be produced during the project lifetime. This will include a project flyer, periodic newsletters, press releases and press conferences as well as frequent editorial articles and organize the engagement of guest bloggers and media partnerships.

The goal is to develop and establish a brand as fertile ground to market climate services (data, services, tools) and to connect various actors and their projects as a "knowledge hub" for the climate services eco system.

In order to support partners with disssemination and communication activites in their field and in their region media production contains also taylored promotion material.

4.4.1 Postcard

Describes project, goals, claims, partners and contact information (people, email, social media accounts) on a two-sided A6 card and can be adapted according to the communiction mission. It is a convenient means to provide very brief project information and set an anchor at the adressee on a small, stable piece of paper - larger than a business card, smaller than a leaflet. It shall be more partner centered emphasizing the role in the project and the exploitation prospects. The postcard is produced in professional printable format and printed at the location of use.

First application was at climate servies stakeholder meeting in Brussels in November 2017 intruducing the market place idea to the community. Second application was an end user event in Spain in March 2018.

4.4.2   Poster

Describes project goals, partners on A1 format and can be adapted according to the communication mission or location (language, emphasizing local partners). The poster is designed to support a person the CLARITY climate services story at an event rather than focus on specific scientific or demo case related results - for this purpose the "knowledge base" accessible via myclimateservice.eu shall provide rich content.

Presuming that the auditorium is foreign to CLARITY project the scope of the poster is the marketplace for climate services as common interest in the community and it can be used at research events as well as more exploitation focussed events.

4.4.3   Editorial articles

A professional editorial team deploys articles suitable for (online) media requirements, publishes on myclimateservice.eu and promotes the content via social media accounts. The articles base on material and results produced by CLARITY (including scientific and technical supporting documents) and aim to attract and engage auditorium within the stakeholder groups.

Main goal is to build an eco-system and support exploitation of climate services via the marketplace; this includes also results and offering of organizations outside the CLARITY consortia (D5.3[11] Exploitation plan) and therefor an involvement with other projects and initiatives is sought.

4.4.4   Newsletter

When publishing on a two weekly basis about the project on several channels a newsletter fulfils different functions than just to spread news. The CLARITY newsletter is a collection of summaries of editorial articles (teaser) published online on a quarterly basis; for each teaser link and QR code for the whole article is provided. Newsletter is a .pdf document and can be downloaded from the CLARITY website. Therefor the newsletter is the "print magazin" for the CLARITY project and for an auditorium who not follows online yet. It is published in English language.

According to the status of development of the project and the media production one newsletter was published.

4.4.5   Brochure/leaflet

A template for a project brochure was developed which can be customized to serve special purposes (e.g. target groups for events, regional context) and can reflect the progress in the project. It is four-sided and the last page always refers to the objectives, the methodological background (EU-GL) and the consortia. It can be in English or any language of the project partners, which is suitable for the purpose when it is presented (e.g. local end user workshops or stakeholder event).

4.4.6   Raw material and footage for media production

Especially for online communication use of multimedia is essential. Good pictures and graphics ensure that myclimateservice.eu content appears attractive and professional. To secure that artists copyright and license conditions are minded a license agreement with a global supplier was closed (Shutterstock).

In addition it is planned to acquire multimedia footage on the project´s behalf and to establish a repository with material cleared to use. This includes rich regional content as well and one means to explore within the project may be a photo contest related to climate change visualization.

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[11] Exploitation and business plan (v1). Deliverable D5.3 of the CLARITY project, 2018

5   Scientific publications and events

This section includes the initial list of scientific publications selected to promote the project. In addition, during the first year of the project, CLARITY has been promoted in different events. Section 5.2 presents the list and details of attended events and section 5.3 includes the list of forthcoming events.

5.1   Scientific publications

A number of scientific journals have been selected as being of potential interest for the dissemination of CLARITY outcomes. These are detailed in the following table.

Focus	Journal name	Target audience/field
GIS-based applications for addressing climate change, environmental and natural hazards issues	• Computers & Geosciences[12] • Computers, Environment and Urban Systems[13] • International Journal of Digital Earth[14] • Transactions in GIS[15]	Researchers dealing with software for the environment and natural hazards, focusing on geosciences
Urban landscape, planning and design, landscape ecology and urban ecology	• Landscape and Urban Planning[16] • Building and Environment[17]	Landscape architecture, urban and regional planning, landscape and ecological engineering, and other practice-oriented fields
Climate Services in the interface between climate research and application	• Climate Services[18]	Climate researchers and stakeholders
Social benefit estimation	• European Economic Review[19]	All areas of economics

Table 10: Scientific journals in the scope of CLARITY activities

5.2   Attended events

This section includes details of the events attended with the aim of disseminating the project. Table 11 lists the information of attended events.

Event	Place	Date	Partner
ClimatEurope festival	Valencia, Spain	5-7 March 2017	ATOS
Klimatveckan 2017 (Regional Climate week Jonkoping County)	Jönköping, Sweden[20]	20-28 Sept 2017	CABJON
Urban transition in face of climate change: how to make it happen? A meeting of the UCCRN European hub	Paris, France	6-7 July 2017	PLINIVS
Innovacarretera 2017	Madrid, Spain	7 November 2017	ACCIONA
RESCCUE 4th Project Committee Meeting	Madrid, Spain	21 November 2017	ACCIONA and Meteogrid
CitiesIPCC 2018[21] - Cities and Climate Change Science Conference	Edmonton, Canada	5-7 March 2018	ZAMG

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[12] https://www.journals.elsevier.com/computers-and-geosciences
[13] http://www.journals.elsevier.com/computers-environment-and-urban-systems
[14] http://www.tandfonline.com/toc/tjde20/current
[15] http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1467-9671
[16] https://www.journals.elsevier.com/landscape-and-urban-planning
[17] https://www.journals.elsevier.com/building-and-environment
[18] https://www.journals.elsevier.com/climate-services/
[19] https://www.journals.elsevier.com/european-economic-review
[20] http://klimatradet.se/
[21] https://citiesipcc.org/

| EGU – European Geosciences Union 2018[22] | Vienna, Austria | 8-13 April 2018 | ZAMG |

Table 11: List of attended events

Below it is presented a short report for each of the most relevant events.

ClimatEurope Festival 2017	
URL Link www.climateurope.eu http://www.climateurope.eu/events-climateurope/festival/climateurope-festival-2017/	**Location, Date** Valencia, Spain; 05-07 March 2017
Partner participant ATOS	**Link to Publications / Presentation** http://clarity-h2020.eu/node/301
Short Event Description The key objective of the first Festival was to discuss the advantages and challenges that climate services face within the sectors of water, ecosystems, food production and food security. This gave the participants the opportunity to share their experience and knowledge on how climate services are already being offered successfully and identify the needs for improvement, in order to make the provision of climate services more efficiently. Speed networking facilitated cooperation between different European projects and initiatives.	
Relevance to CLARITY The participation of CLARITY at the the event was intended to make an initial presentation of the project and the facilitate contact and cooperation among the 6 innovation actions selected under the topic where CLARITY is funded as well as with other relevant ongoing activities. Over 100 participants from 17 European countries and Canada attended the first Climateurope Festival 2017. This event brought together scientific community, users and providers of climate services and funding bodies.	
Conclusions CLARITY as well as the the other projects funded in the call topic are forerunners in the climate services area as we will develop demonstrators which deploy climate service in real decision-making activities. This is an exciting challenge, which entails overcoming a number of obstacles which have prevented so far a wider use of climate information in the decision making of business, public administration and civil society. This event served as a first contact among all projects in order to understand our objectives and approaches, allowing us in the future to share and learn from each other in this process, as our projects and partners are quite diverse (and complementary) in a number of aspects, including the geographical coverage, which make you an excellent network.	

Table 12: ClimatEurope Festival 2017

Klimatveckan 2017 (Climate week)	
URL Link http://klimatradet.se/	**Location, Date** Jönköping, Sweden 20-28 Sept 2017
Partner participant CABJON	**Link to Publications / Presentation** NA
Short Event Description The Regional Climate Week in Jonkoping County is an annual regional event held since 2014 aiming at the County's vision of being a "plus-energy" county at 2050. The Climate Week is characterized by transboundary, easy-access and motivated activities that promote knowledge, inspiration and increased awareness of the advantage of work actively with e.g. both climate change and climate adaptation. It includes both activities within the county as well as a conference.	
Relevance to CLARITY The confence organized by Jonkoping County Board includes av cooperative platform from a variety of organisations, municiplaities and agencies as well as industries/private sector. The outlines of the climate week are an important way of "working together".	

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[22] https://www.egu2018.eu/

Conclusions
Clarity reaches a number of possible takers of the coming tool. Clarity is gaining by having a regular contact with the Climate Council, thereby being known in a varity of potential users.

Table 13: Klimatveckan 2017 (Climate week)

Urban transition in face of climate change: how to make it happen? A meeting of the UCCRN European hub	
URL Link www.uccrn.org www.uccrn-europe.org/sites/uccrn-europe.org/files/news-pic/July6-7_Programmev2.pdf	**Location, Date** Paris, France; 6-7 July 2017
Partner participant PLINIVS	**Link to Publications / Presentation** NA

Short Event Description
On the 6th and 7th of July, the European UCCRN Hub organized a two-day meeting in Paris with the objective to set a coordinated research agenda and build a common program to address the highest priority climate issues European cities face. This two-days meeting was an opportunity to present UCCRN ongoing activities at global and regional levels and develop synergies between Regional hubs and potential collaboration with ongoing EU Projects. During the meeting priority areas of work during thematic multi-actors workshops were defined. The achievement of these parallel workshops was to structure the discussions according to the main pathways to urban transformation proposed in the Second UCCRN Assessment Report on Climate Change and Cities.

Relevance to CLARITY
• Embed advanced climate information in planning and design process • Integrate adaptation options in infrastructure design (workshop Integrating climate mitigation and adaptation in urban planning, design and architecture) • Promote CLARITY concept to potential stakeholders and end-users

Conclusions
"Integrating climate mitigation and adaptation in urban planning, design and architecture" workshop addressed cross-cutting issues such as public health, urban and environmental quality, social equity, access to services, governance and financial aspects. Proposals were made to embed climate resilient design principles in every architecture/urban/infrastructure project. The need for climate information detailed at urban/neighbourhood scale using dynamical downscaling and statistical methods and propagate uncertainties (global-regional-urban) across spatial and timescales was also discussed. Solutions based on a vulnerability analysis and impact quantification to prove cost-effectiveness of adaptation and mitigation (links to DRR and CCA integration and multi-hazard assessment/all-hazards approach) were proposed. Lastly, the discussion focused on the need of developing methods to explore and measure the social, economic, environmental liveability co-benefits of mitigation and adaptation.

Table 14: Urban transition in face of climate change

INNOVACARRETERA 2017	
URL Link http://www.ptcarretera.es/innovacarretera-2017/	**Location, Date** Madrid, Spain; 7th November 2017
Partner participant ACCIONA Construction	**Link to Publications / Presentation** http://www.ptcarretera.es/wp-content/uploads/2017/10/PTC_INNOVACARRETERA2017_ProgramaA5_Online.pdf

Short Event Description
INNOVACARRETERA 2017 is the fourth Fair of Technological Demonstration of the Road Infrastructure Sector organized by The Spanish Road Technology Platform (PTC). PTC is a discussion forum for all Science-Technology-Enterprise stakeholders with a significant role in the promotion of R&D, employment, competitiveness and growth of Spanish road infrastructures.

Relevance to CLARITY
39 Spanish organizations very relevant in the scientific and technological field and business are working to build "the road of the future". More than 250 people attended the Fair. The benefits impact for CLARITY can be explained by considering the alignment with the objectives of the Fair: • Define a strategic vision for technological activities in the Spanish road sector. • Stimulate stakeholder cooperation by optimizing existing R&D investments and promoting new R&D projects. • Build R&D working guidelines and long-term priorities, in cooperation with national and international bodies. • Encourage knowledge transfer and good-practice exchange between the aforementioned stakeholders.

Table 15: INNOVACARRETERA 2017

RESCCUE 4th Project Committee Meeting	
URL Link http://www.resccue.eu/news/madrid-hosted-4th-resccue-project-committee-meeting	**Location, Date** Endesa Headquarters, Ribera del Loira Street, 60, 28042, Madrid, Spain, 21st November 2017
Partner participant ACCIONA Construction and METEOGRID	**Link to Publications / Presentation** NA
Short Event Description Developed under the H2020 Research and Innovation framework programme, RESCCUE project aims to improve the urban resilience, facing multi-hazard threats with minimum damage. The 4th project committee meeting was carried out in Madrid in order to update technical and strategic covered over the project and to complete the dissemination and management activities.	
Relevance to CLARITY The main reason for presenting Clarity in RESCCUE PCM is the alignment between the topics of both projects. Considering that the whole consortium, 40 researchers from 18 partners representing 5 countries, attended the meeting, it has represented a convenient forum to share Clarity goals, to find potential synergies and to boost cooperation between different entities.	

Table 16: RESCCUE 4th Project Committee Meeting

CitiesIPCC Cities and Climate Change Science Conference	
URL Link https://citiesipcc.org/	**Location, Date** Edmond, Canada, 5-7 March 2018
Partner participant ZAMG	**Link to Publications / Presentation** https://myclimateservices.eu/news-1/2018/3/29/news-beispiel-1
Short Event Description The aim of the conference was to: identify key research and knowledge gaps related to cities and climate change; inspire global and regional research that will lead to peer-reviewed publications and scientific reports; and stimulate research on cities and climate change throughout the Intergovernmental Panel on Climate Change (IPCC) 6th Assessment Report (AR6) cycle. Its outcomes are anticipated to inform the upcoming IPCC reports, and support cities and citizens in building low-carbon, climate-resilient and sustainable cities towards the implementation of the Paris Agreement on climate change, the New Urban Agenda and the Sustainable Development Goals (SDGs).	
Relevance to CLARITY The CitiesIPCC Conference was co-organized and attended by a number (ca. 850 participants) of international, governmental, urban and scientific organizations such as C40 Cities, UN-Habitat, UN Environment (UNEP), Cities Alliance, ICLEI – Local Governments for Sustainability, Future Earth, the Sustainable Development Solutions Network (SDSN), United Cities and Local Governments (UCLG), World Climate Research Programme (WCRP) and the IPCC members. The conference was set in global framework and is expected to have high level of impact on scientific community and policy makers in the area of urban climate research, cities and climate change.	

Conclusions
The CLARITY project was presented under Theme 2: "Urban Climate Information to Support Decision Making: From Local to Global." with the presentation entitled "Next Generation of Climate Services to Support Adaptive Planning and Design in Cities: CLARITY modelling methodology and applications". The presentation introduced the CLARITY vision, its "Climate Services Information System" (CSIS) and the underlying EU-GL Methodology to a diverse group of international climate researchers, urban planners and policy makers.

Table 17: CitiesIPCC

EGU General Assembly 2018	
URL Link https://www.egu2018.eu/	**Location, Date** Vienna, Austria, 8-13 April 2018
Partner participant ZAMG (A. Kainz)	**Link to Publications / Presentation** https://myclimateservices.eu/news-1/2018/5/3/zamg-presented-clarity-in-vienna
Short Event Description The annual EGU (European Geosciences Union) General Assembly is the largest European geosciences conference with around 15.000 participating scientists from all over the world.	
Relevance to CLARITY In a presentation that was held during the session "Urban climate, urban biometeorology, and science tools for cities", the CLARITY methodology was outlined and particular attention was paid to the implementation of the Austrian Demonstration Case that deals with **urban** planning and climate adaptation in the city of Linz. Preliminary results carried out by ZAMG with the urban climate model MUKLIMO_3, including climate projections at 100 m resolution, as well as general adaptation scenarios, were shown for the area of Linz. In that way, the CLARITY project was presented and results were discussed with a group of international urban climate researchers.	
Conclusions The CLARITY methodology and preliminary results related to the Austrian Demonstration Case were presented at the EGU conference, contributing to the dissemination of the CLARITY project and providing a framework for discussions with various experts related to urban climate and climate services.	

Table 18: EGU General Assembly 2018

5.3 Forthcoming events

The second version of the communication and dissemination plan has been updated including the list of the next relevant events for CLARITY.

Event	Place	Date	Partner	url
EU Green Week 2018	Brussels, Belgium And distributed - local events	21-25 May 2018	SCC	https://www.eugreenweek.eu/
Moskow Urban Forum 2018, 2019	Moscow, Russia	17-22 July 2018	SCC	http://mosurbanforum.com/_forum/
ICUC-10; International Conference on Urban Climatology	New York, USA	6-10 August 2018	ZAMG	http://www.urban-climate.org/icuc
European Meteorological Society (EMS) Annual Meeting 2018	Budapest, Hungary.	3-7 September 2018	ZAMG	https://www.ems2018.eu/
Regional Climate Week of Jonkoping County	Jonkoping Sweden	12-19 September 2018	CABJON	https://klimatveckan.klimatradet.se/

| Simposio Nacional de Firmes | Madrid, Spain | October 1st 2018 | CEDEX | http://www.congresosatcpiarc.es/snf2018callforpapers.html |
| Symposium "Climate Change and Natural Hazards: coping with and managing hazards in the context of a changing climate" | Padova, Italy | 25-26 February 2019 | ZAMG | https://www.haw-hamburg.de/fileadmin/user_upload/FakLS/07Forschung/FTZ-ALS/Veranstaltungen/_PDF/Padova-Flyer.pdf |

Table 19: Forthcoming events proposed by CLARITY partners

6 Project Workshops

During the first year of the project various End-Users Workshops have been held. Although the results of these workshops have been reported accordangly, this section also includes a short summary of these workshops as a dissemination activity.

6.1 CLARITY Workshop - Naples

The Italian workshop took place on the 13th of December 2017 in Naples at PLINIVS Study Centre (Study Centre for Hydrogeological, Volcanic and Seismic Engineering), a structure of LUPT Research Interdepartmental Centre, University of Naples Federico II.

Several local and national stakeholders and end users attended the meeting. In particular, a network of potential users of Climate Services within Naples Municipality organization (part of CLARITY Consortium) was implemented and National and Regional authorities (external to CLARITY Consortium) - that can support Naples Demonstration Case implementation - were identified (such as Italian Ministry of Environment, CMCC, Invitalia, Campania Region and Campania Region Civil Protection Department).

During the workshop some presentations were shown and further new opportunities that must be taken into account emerged.

The main outputs and discussion interventions of the participants can be summarized as follows:

NAPOLI Planning departments

- Adaptive-design criteria for public procurement of construction works for roads (materials, permeability etc.) under extreme heat and precipitation;
- Impact on sewerage systems of projected future scenarios of extreme precipitation events and identification of potential adaptation solutions;
- Potential to improve the Napoli SEAP (currently under development) towards a SECAP - Sustainable Energy and Climate Action Plan, by integrating energy efficiency measures with adaptation planning at city level with key performance indicators to address public and private planning initiatives;
- Collaboration to the preparation of call for tenders for pilot intervention on strategic buildings and critical infrastructures retrofitting (e.g. schools, hospitals), to identify design requirements able to combine energy and climate-adaptive technical solutions.

Metropolitan City of Naples

- Metropolitan City as Data Provider (several data available at metropolitan level);
- Climate impact scenarios (eventually combined with geophysical risk assessment) at metropolitan level to provide guidance and technical criteria for the development of Territorial plans (under responsibility of Metropolitan City) and Civil Protection plans (under responsibility of all 92 municipalities in the metropolitan area).

INVITALIA

- Understanding of combined geophysical (volcanic phenomena) and climate threats in Bagnoli-Coroglio area to address design strategies and establish the priority of development interventions;
- Supporting tool for technical scorings in public tenders (assigned with the criterion of the "most economically profitable" offer based on combined financial and technical criteria); indicators to support climate adaptive technological and design solutions.

CMCC

- Synergy between CLARITY and CLARA projects to be exploited through joint activities (e.g. technical development - Using Copernicus data for 6 months seasonal forecasts; outreach improvement - involve relevant CC departments and CS providers in Europe).

6.2   CLARITY Workshop - Linz

In Linz three workshops have been organized during the 1st project year.

- The 1st workshop was carried out with Environment protection administration members and AIT team members to discuss the key DC3 requirements;

- The 2nd workshop with the Environment protection administration, Urban Planning administration the Surveying and Geospatial data management administration members, the AIT team working on the demonstration case as well as one ZAMG member to discuss, climate service requirements, data requirements fulfilling the services and a presentation about climate modelling and microclimate modelling to make clear what services can be expected to support climate sensitive urban planning in the city of Linz.

- The 3rd Workshop was organised in April 2018 by the AIT team and the Environmental management administration, where the Urban Planning administration, the Public parks, nature protection and urban ecology administration, the Surveying and geo-information administration and a representative from GWG - Linz largest housing company which is maintaining 19.000 apartments – attend. The objective of the 3rd Workshop was to describe the CLARITY tool (as far as available) and the link to the feasyibility study level where expert knowledge is added to get detailed information for Linz to fulfill the administration's objective: to project and evaluate future climate conditions under alternative urban development scenarios at different scales and the assessment of effects of selected adaptation measures in Linz.

Figure 21: Topics of the 3rd Linz Workshop held by AIT

After presenting the overview of the project, several questions have been asked to the attendees where particular answers have been provided:

1. Which effects of climate change do you find important for Linz?
2. Which data on climate (change) have you already used?
3. Which data or information would be most useful to you? In what form (tables, maps, text, etc.)?
4. What have you been missing so far? What has prevented you from using climate data and taking climate change more into account in your planning?

After the overview – detailed information was provided regarding Linz geospatial data requirements, regarding data generation, on case study area selection and data preparation as well as on Linz urban climate- and microclimate simulation results.

6.3 CLARITY Workshop - Climate Change & Transport Infrastructure: Impact and Adaption Measures

The Spanish workshop was held at the Agencia Estatal de Meteorología (AEMet) premises in Madrid on the 8th of March 2018.

The workshop was organized as a means to show the industry what the project is meant to be focusing on with several presentations addressing different aspects of CLARITY as a whole by Meteogrid, the Spanish Demonstration Case (ACCIONA), and of Climate Change effects (Copernicus ECMWF, UCM and AEMet). The workshop was also a way to find out the needs of key stakeholders in the road industry in terms of planning, tenders, and future challenges. Among the attendees external to the project, there were representatives from the Oficina Española de Cambio Climático (Ministry of Agriculture, Food and Environment), TYPSA Group, EIT Climate KIC España, whose insight will prove valuable to better identify the problems faced by their industries.

Figure 22: CLARITY workshop (Spain)

The most important ideas and contributions given during the interventions and roundtable discussions may be summarized as follows:

CEDEX

- There is an uncertainty that is deeply ingrained into the topic that requires a thoughtful analysis to identify where is it worth it to focus the efforts.
- Current road infrastructure projects are more concerned about variability than about Climate Change.
- More importance is given to the magnitude of any event than recurrence and it would be useful to also take recurrence into consideration.
- An analysis of the recurrence of events versus the cost of implementing measures is a useful tool.
- Projects are used to work with uncertainty, even if new models are developed, it is useful to have decision making tools that are also able to identify the know-how.
- There is a need for better engineering and hazard analysis.

TYPSA

- Tools for measuring sustainability, in the form of decision support tools and rating and certification tools.
- Taking into account the environment in their projects will also mean considering including working on vegetation surrounding roads.

- More demanding the tenders in terms of Climate Change will have more impact on construction companies rather than engineering companies.

Climate Experts and Agencies

- Climate KIC has a startup accelerator that could be useful for CLARITY.
- It could be useful to consider known user of Climate information: **https://climatecentral.org/**
- Supporting tool for technical scorings in public tenders (assigned with the criterion of the "most economically profitable" offer based on combined financial and technical criteria); indicators to support climate adaptive technological and design solutions.

6.4 CLARITY Workshop - End-Users Workshop – Jönköping, Sweden

Under the scope of DC2, the first end-users workshop in Sweden was organized in Jönköping, on the 1st of March 2018. The workshop was devoted to the discussion of water-related issues. The main goals were to disseminate the project and the CSIS tool and to acquire inputs from local users.

19 participants represented different stakeholders, as shown below:

- Jönköping municipality: (strategic) land planning, water and wastewater, Risk analyses, and general water planning;

- Swedish Board of Agriculture: Hydrology and arable land/agricultural areas;

- CABJON (County Administrative Board of Jönköping): climate adaptation work, GIS projects, other EU projects;

- WSP: ongoing work in the area of climate adaptation and water related challenges (national perspective);

- StockCity: ongoing work, projects and challenges;

- SMHI: neighboring projects (past and present)

Figure 23: CLARITY workshop (Jönköping, Sweden).

The workshop addressed four questions, as listed below. The participants were allowed to answer them on post-it notes that were afteawards assembled and analysed.

1. From "your projects" described earlier in the morning, how do you see that you can benefit from a pre-study? Who (outside/inside) your organisation could be a target group?

2. Which sources of climate data are you using today?

   Which data within these sources is (most) valuable? Which info is missing at present –and (how) could we provide this? Which factors do you find limiting for using currently available data (e.g. technical factors, formats, programs, costs, competence, uncertainty of data, geographical coverage/resolution)?

3. What is needed for Clarity/CSIS to facilitate the interaction/contact with an expert?

In the mock-up presentation, the Clarity/CSIS acts as a platform to facilitate data exchange and dialogue – is this what is needed? Else, what?

4. Which features are needed for you as end-users to be able to use the results and continue working with them for your present and future needs?

Downloading technique, post-processing, formats, visualizering etc.

The main results of the workshop could be summarized as follows:

1. The Clarity toolbox must be easy to find – preferably via links from existing platforms

2. Visualization of available data as graphs and maps is of importance. It is also important to be able to download data in a format that allows easy integration with the user's own structure, e.g. GIS system

3. If the user doesn't know which problem to address – expert help in delinating the topics of importance. Example:"which are the major climate concerns that I should work with in my location?"

4. Many users were interested in the tool as a means to identify the most important risks, to help prioritizing and to perform actions/adaptions and determine the outcome

5. Users are worried about legal issues in the system. Are they allowed to hire an expert as a state service? Who is the expert provided, and can he be trusted?

The 2nd DC2 End-User workshop is being organized. This event will be hosted by STOCKCITY in Stockholm and is planned to be held in September 2018. The focus will be on heat and urban vegetation (and specifically the Green Area Factor), in line with the user stories.

7   Conclusion

This is the second version of the Communication and Dissemination plan that updates the version established at the beginning of the project. The document provides a guideline for all communication and dissemination activities carried out in the project.

Although this document will evolve during the project lifetime (the third version is planned in May 2019), the current version already includes relevant tools and activities that have been selected and reports on past activities including lessons learned for improvements for future applications of the several formats. Some of the tools that have been set up during this period are the project website (http://clarity-h2020.eu/) and the Twitter profile (@CLARITY_h2020) as well as the marketplace website (https://myclimateservice.eu) and related social media profiles on LinkedIn (https://www.linkedin.com/company/myclimateservices/), Twitter (@MyClimateServic) and Instagram (@myclimateservices).

In addition, a complete list of Forthcoming events and workshops is also available in section 5.3. This information will be updated in following versions including details of attended events and workshops.

First experiences after starting publishing reveal that it takes considerable effort

- to reach stakeholder outside of the core climate community and to convince them of the benefits climate services embedded in a general work flow may provide for their projects and

- to bring the use of a climate service marketplace and benefits that it may provide for them to the scientific community.

In the next phase dissemination will focus on

- explaining the EU-GL workflow and its application in the CLARITY CSIS in a way digestible for disperse stakeholder

- to spread the demonstration cases as best practise for the workflow

- to increase regional spread.

In order to engage stakeholder on a local level closer proximity shall be established. CLARITY will provide content in regional languages and explore the opportunities of a local language website (partnering with established platforms); first attemps will start for the German speaking countries.

In terms of exploitation this will be a first step in showcasing a "regional chapter" that can be replicated to the regions of the project and - as a vision for sustainability - beyond.

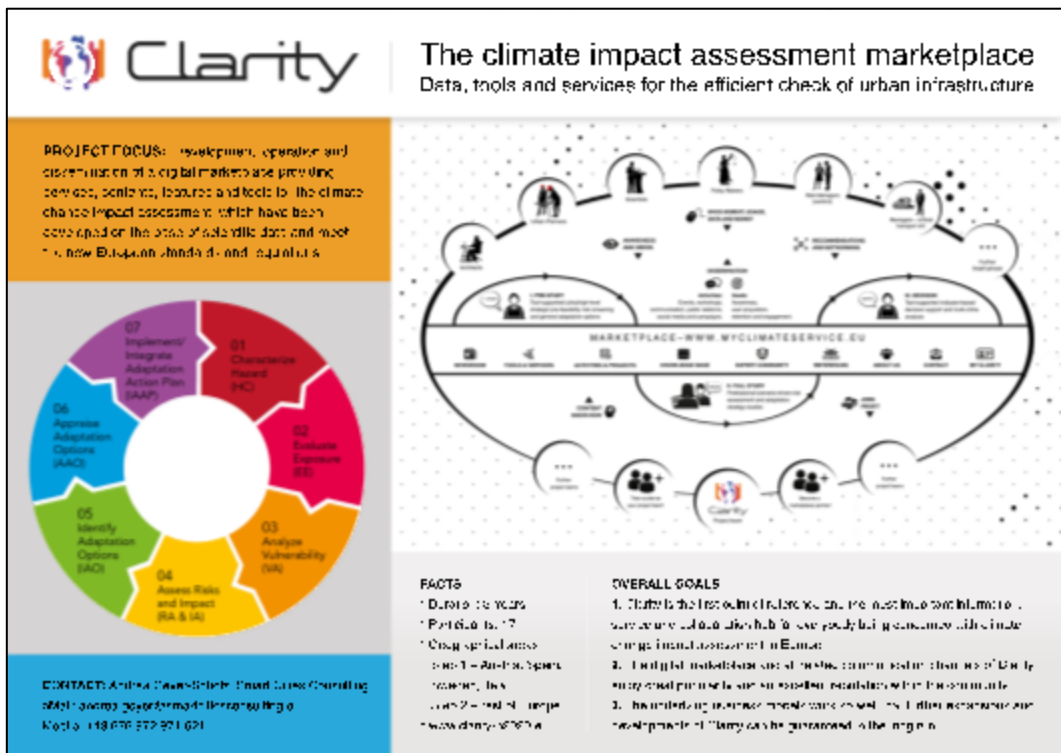## Annex I Power point template

Annex II Project material

This section includes communication material used in CLARITY during the first year of the project.

Postcard

Customized backside SCC

Customized postcard for transport sector

Poster

Poster customized for transport sector

Brochure/leaflet

Newsletter[23]

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[23] http://clarity-h2020.eu/node/335

Annex III Dissemination events focused on the scientific community, stakeholders and end-users

Type of activity	Event description	Target audience/field
Scientific conferences and workshops		
Peer-reviewed oral presentation and/or poster of the CLARITY concept, methodology and results	• International Symposium on Envrionmental Software Systems (ISESS 2019), Great Britain • International Conference for Free and Open Source Software for Geospatial (FOSS4G)[24], Dar es Salaam, Tanzania, 28 Aug.-3 Sept. 2018 (Worldwide, annual) • 29th International Cartographic Conference (ICC2019)[25], Tokyo, Japan, 15-20 July 2019 (Worldwide, biennial)	Environment software and modelling, IT, geospatial communities
	• European Meteorological Society (EMS) Annual Meeting[26], Budapest, Hungary, 3-7 Sept. 2018 (Europe, annual) • 10th International Conference on Urban Climate (ICUC)[27], 6-10 August 2018, New York, USA (co-held with the 14th AMS Symposium on the Urban Environment) (Worldwide, annual)	Meteorology and climate modelling scientific community
	• European Climate Change Adaptation conference (ECCA 2019)[28], 28-31 May 2019, Lisbon, Portugal (Europe, biennial)	Meteorology and climate modelling scientific community, practitioners and policy makers
	• 9th Global Forum on Urban Resilience and Adaptation (Resilient Cities 2018)[29], 26-28 April 2018, Bonn, Germany (Europe, annual)	Climate scientists and regional stakeholders
	• Simposio Nacional de Firmes (SNF), Madrid, Spain. 16-18 October 2018	Road constructors and asphalt providers.
Stakeholders meetings or workshops		
Workshop	• Local/regional stakeholder's workshops to develop and implement adaptation strategies	Regional community representatives
Meeting and workshop	• Stakeholder meeting on climate services and migling with (sister) projects in H2020 and JPI, Brussels, Belgium 29-30 November 2017	Climate scientists, European/global climate services community, policy makers, practitioners
Presentation	• Innovation360 annual meeting; presentation on linking management consulting- and climate sevices community, Sweden, Stockholm, 29-30 January 2018	International management consultants with focus on innovation
Past events not yet scheduled		
Oral presentation or poster	• INSPIRE Conference[30] (Europe, annual)	Forum for stakeholders from government, academia and industry to hear about and discuss the latest developments of the INSPIRE Directive

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[24] http://2018.foss4g.org/

[25] http://icc2019.jpn.org/

[26] http://www.emetsoc.org/meetings-events/ems-annual-meetings/

[27] https://www.ametsoc.org/ams/index.cfm/meetings-events/ams-meetings/10th-international-conference-on-urban-climate-14th-symposium-on-the-urban-environment/

[28] http://ecca2019.eu/

[29] http://resilient-cities.iclei.org/

[30] https://inspire.ec.europa.eu/portfolio/inspire-conferences

	• Climate Knowledge Brokers Workshop 2017[31]	Worldwide Climate change knowledge broker network (> 40 institutes, companies, organization worldwide)
	• European Data Forum[32] (Europe, annual)	Industry, research and policymakers

Table 20: Dissemination events focused on the scientific community, stakeholders and end-users.

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[31] http://www.climateknowledgebrokers.net/

[32] http://www.data-forum.eu

Annex IV Initial list of workshops in CLARITY[33]

Nr.	Description	Main Purpose (for WP 1-4, 6)	Expected Outcome (for WP 1-4, 6)	Benefit for Project	Target Audience	No. Participants
AE1	Anchor Event Year 1					
AE1-WS1	Focus Group Expectations in CC services	WP6: Dissemination of CLARITY and its actual results (reference to specific development tasks) to **stakeholder on European scale** from different sectors, various capacities	WP6: e.g. Confirmation that developed approaches are valid for Europe wide stakeholder groups	Awareness of local decision makers at early stage; involvement and multiple contributions to the project channel and zine	Important target audience of the event - **decision makers in regions/municipalities** (e.g. chief officer for infrastructure)	12 - 15
AE1-WS2	Focus Group Expectations in every day usability of CC services and implementation		Confirmation; reference to result(s) and outcome from other WPs	Input from end users referring to real world usage and limitations, recognize market barriers	**Practitioners** attending the event in order to get input for their daily work (e.g. project planners in construction sector, underwriter at insurances)	12 - 15
Local Events Year 1 per Region						
LE1-Reach Spain (R1)						
WS1-R1	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Gather initial requirements for the co-creation process (WP1) 4. Gather needs for the initial design of the demonstration activities (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors"; Collect initial input for WP1 and WP2 (requirements, user stories, test cases design, data collection needs)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Road and railway owners at national, regional and local level; concession companies; policy makers	1. 30-50 2[34]. 5-8
LE1-Reach Austria/Germany (R2)						

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[33] Description of Action part B page 107; Annex B

[34] Second workshop to be held as a side event in coordination to SNF 2018 in Madrid (Pavement National Symposium)m

WS1-R2	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Gather initial requirements for the co-creation process (WP1) 4. Gather needs and define data collection process for the initial design of the demonstration activities (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors"; Collect initial input for WP1 and WP2 (requirements, user stories, test cases design, data collection needs)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 5-8
LE1-Reach Sweden (R3)						
WS1-R3-1	Stockholm-Jönköping use cases **water-related** assessments: hands-on demonstrations of data and tools relevant for planning for current and future impact and risk	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Gather initial requirements for the co-creation process (WP1) 4. Gather needs and define data collection process for the initial design of the demonstration activities (WP2)	End-user specifications for the development of the CC indicator calculation tool	End-user feedback, requirements and estimations in an early phase contribute to accuracy of the entire tool box	Partner end-users; personal invitation and prearrangement, registration process in advance via website	14 - 20
WS1-R3-2	Stockholm-Jönköping use cases a**ir quality/heat** assessments: hands-on demonstrations of data and tools relevant for planning for current and future impact and risk	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Gather initial requirements for the co-creation process (WP1) 4. Gather needs and define data collection process for the initial design of the demonstration activities (WP2)	End-user specifications for the development of the CC indicator calculation tool	End-user feedback, requirements and estimations in an early phase contribute to accuracy of the entire tool box	Partner end-users; personal invitation and prearrangement, registration process in advance via website	14 - 20

LE1-Reach Italy (R4)						
WS1-R4	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Gather initial requirements for the co-creation process (WP1) 4. Gather needs and define data collection process for the initial design of the demonstration activities (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors"; Collect initial input for WP1 and WP2 (requirements, user stories, test cases design, data collection needs)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 5-8
AE2	**Anchor Event Year 2**					
AE2-WS1	Focus Group Expectations in CC services	Dissemination of CLARITY and its actual results (reference to specific development tasks) to **stakeholder on European scale** from different sectors, various capacities	WP6: e.g. Confirmation that developed approaches are valid for Europe wide stakeholder groups	Awareness of local decision makers at early stage; involvement and multiple contributions to the project channel and zine	Important target audience of the event - **decision makers in regions/municipalities** (e.g. chief officer for infrastructure)	15 - 18
AE2-WS2	Focus Group Expectations in every day usability of CC services and implementation		Confirmation; reference to result(s) and outcome from other WP	Input from end users referring to real world usage and limitations, recognize market barriers	**Practitioners** attending the event in order to get input for their daily work (e.g. project planners in construction sector, underwriter at insurances)	15 - 18
Local Events Year 2 per Region						
LE2-Reach Spain (R1)						
WS2-R1	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Consolidate Climate Services requirements (WP1) 4. Detailed design of the demonstration activities and first feedback on the pilot mock-up (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors" (4 total); Co-creation phase finalization (WP1); demonstration design finalization (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 8-12

LE2-Reach Austria/Germany (R2)						
WS2-R2	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Consolidate Climate Services requirements (WP1) 4. Detailed design of the demonstration activities and first feedback on the pilot mock-up (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors" (4 total); Co-creation phase finalization (WP1); demonstration design finalization (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 8-12
LE2-Reach Sweden (R3)						
WS2-R3	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Consolidate Climate Services requirements (WP1) 4. Detailed design of the demonstration activities and first feedback on the pilot mock-up (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors" (4 total); Co-creation phase finalization (WP1); demonstration design finalization (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 8-12
LE2-Reach Italy (R4)						
WS2-R4	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Consolidate Climate Services requirements (WP1) 4. Detailed design of the demonstration activities and first feedback on the pilot mock-up (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 2 additional "local ambassadors" (4 total); Co-creation phase finalization (WP1); demonstration design finalization (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 8-12

AE3	Anchor Event Year 3					
AE3-WS1	Focus Group Expectations in CC services	Dissemination of CLARITY and its actual results (reference to specific development tasks) to **stakeholder on European scale** from different sectors, various capacities	WP6: e.g. Confirmation that developed approaches are valid for Europe wide stakeholder groups	Awareness of local decision makers at early stage; involvement and multiple contributions to the project channel and zine	Important target audience of the event - **decision makers in regions/municipalities** (e.g. chief officer for infrastructure)	15 - 18
AE3-WS2	Focus Group Expectations in every day usability of CC services and implementation		Confirmation; reference to result(s) and outcome from other WP	Input from end users referring to real world usage and limitations, recognize market barriers	**Practitioners** attending the event in order to get input for their daily work (e.g. project planners in construction sector, underwriter at insurances)	15 - 18
Local Events Year 3 per Region						
LE3-Reach Spain (R1)						
WS3-R1	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Test CLARITY solution as a whole (WP1) and the 4 pilot applications (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 3 additional "local ambassadors" (7 total) Feedback on overall CLARITY solution (WP1) and demonstration activities (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 12-18
LE3-Reach Austria/Germany (R2)						
WS3-R2	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Test CLARITY solution as a whole (WP1) and the 4 pilot applications (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 3 additional "local ambassadors" (7 total) Feedback on overall CLARITY solution (WP1) and demonstration activities (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 12-18
LE3-Reach Sweden (R3)						

WS3-R3	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Test CLARITY solution as a whole (WP1) and the 4 pilot applications (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 3 additional "local ambassadors" (7 total) Feedback on overall CLARITY solution (WP1) and demonstration activities (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 12-18
LE3-Reach Italy (R4)						
WS3-R4	1. Presentation and Panel discussion 2. Workshop with local players interested to implement CLARITY CC services in their location (e.g. consultants and civil engineers, waterway authorities etc.)	1. Dissemination of CLARITY and its results to a wider regional audience according to the scope of the event (WP6) 2. Acquire/supply "local ambassadors" for regional spread of CC services (WP6) 3. Test CLARITY solution as a whole (WP1) and the 4 pilot applications (WP2)	Feedback for WP6 on approaches and results from stakeholder on regional and local scale; local anchorage of CLARITY CC services apart from project partners - 3 additional "local ambassadors" (7 total) Feedback on overall CLARITY solution (WP1) and demonstration activities (WP2)	Implementation of CC services and gather of relevant data for exploitation in a regional scale	Stakeholder on regional level (section 1.1, table Stakeholder); prospect "local ambassadors" prearranged, registration process in advance via website	1. 30-50 2. 12-18

Table 21: Initial list of workshops in CLARITY