



"Connecting Climate Knowledge for Europe"

Newsletter issue 21, September 2020

distributed by the [JPI Climate Central Secretariat](#)

JPI Climate is a pan-European intergovernmental initiative gathering European countries to coordinate jointly their climate research and fund new transnational research initiatives that provide useful climate knowledge and services for post-COP21 Climate Action. JPI Climate connects scientific disciplines, enables cross-border research and increases the science- practice interaction.



2nd JPI Climate Scoping Forum Symposium

Providing Knowledge for a climate neutral and resilient Europe

Hosted by the Federal Ministry of Education and Research
under the German Presidency of the Council of the European Union

VIRTUAL Conference

9-10 December

by invitation and **soon more on our website:** jpi-climate.eu



JPI Climate as key player in ECCA2021

JPI Climate with its project SINCERE, leading on the organisation, its flagship programme on climate services ERA4CS and in cooperation with other H2020 projects will play a key role in the next European Climate Change Adaptation Conference (ECCA2021) taking place on 7 of June, 2021 in Brussels. This will be an excellent opportunity to work together on showcasing the successful interlinkages between climate knowledge, climate finance and innovative adaptation practices.

Due to the COVID-19 pandemic the conference will be framed as a series of webinars and one day physical meeting on 7 of June 2020. In the light of these circumstances an official ECCA website will be launched in October 2020, meanwhile please check [JPI Climate website](#), where we will publish the latest updates.

If you would like to receive relevant updates and information on ECCA2021, please register [here](#)

JPI Climate Governing Board and Transdisciplinary Advisory Board

Virtual meetings on 16 June

20th JPI Climate Governing Board (GB) and Extra Transdisciplinary Advisory Board (TAB) virtual meetings were held on 16 of June. The GB meeting was organised to discuss the scope of the 2nd JPI Climate Scoping Forum Symposium, the recent developments on Knowledge Hub of Sea Level Rise and input to the Horizon Europe ongoing negotiations.

A TAB extra meeting had taken place in the afternoon with a focus on the Horizon Europe Missions and the European Green Deal and how JPI Climate can position itself towards these processes. 21 participants including TAB and JPI Climate GB members contributed.

Main purpose and related outcome: short note with key messages were transmitted to the European Commission and the Mission Board end of June. The five Missions were launched at the occasion of the European Research and Innovation Days 22-24 September. The next TAB meeting (virtual) takes place on 13th of October to develop input for the next JPI Climate GB meeting held on 28-29 of October.



Seven successful projects are funded under the SOLSTICE Call

The selection procedure related to the JPI Climate Joint Transnational Call on "**Enabling Societal Transformation in the Face of Climate Change**" (SOLSTICE) that was launched in the fall of 2019 successfully closed on February 3rd. The evaluation procedure concluded on the 18th of June with a meeting by an independent panel of experts. The final decision was taken by the SOLSTICE funding organisations.

The projects will be financed by the SOLSTICE funding organisations, consisting of 10 European countries (Austria, Belgium, Czech Republic, Finland, France, Italy, Ireland, Latvia, Norway and the United Kingdom) who partnered to offer this opportunity.

The call had an indicative budget of 6.900.000€ to support international research projects of a duration of up to 3 years. The overall objective of this call was to enable societal transformation in the face of climate change.

In total, 7 projects have now been selected:

1. **CCC-CATAPULT**: Challenging the Climate Crisis: Children's Agency to TACKle Policy Underpinned by Learning for Transformation
2. **Just-Scapes**: Environmental justice analysis to advance rural landscape transformations in the face of climate change

3. **202CM**: Overcoming Obstacles and Disincentives to Climate Change Mitigation: A cross-cutting approach by human and social sciences

4. **ROLES**: Responsive Organising for Low Emission Societies

5. **JUSTDECARB**: Socially Just and Politically Robust Decarbonisation: A Knowledge Base and Toolkit for Policymakers

6. **SOLARIS**: SOLidarity in climate change Adaptation policies: towards more socio-spatial justice in the face of multiple RISks

7. **CLEAN** Cultures: An approach for innovative Climate Learning, Evaluation and Action in Neighbourhoods

Here is [a brochure](#) of the selected projects and their abstracts

To find out more about SOLSTICE go to: <https://www.solstice-call.org/>



Next steps to establish a Knowledge Hub on Sea Level Rise

26 June, 2020

Meeting on next steps to establish a JPI Climate/JPI Oceans Knowledge Hub (KH) on Sea Level Rise (SLR) took place as a virtual meeting on 26 June with 29 representatives from Italy, Germany, Belgium, France, Spain, Netherlands and Finland. Ireland could not join the meeting but is supportive of the KH and Sweden submitted statements via email.

Chair of the JPI Climate Frank McGovern and Director of the JPI Oceans Thorsten Kiefer welcomed participants to the meeting and highlighted the relevance of sea-level rise perspectives in tackling climate change and the strategic importance of JPIs working together to advance policies and implementation of the Paris Agreement and the European Green Deal. Participants emphasised the need to further define and answer remaining questions about the scope of proposed KH-SLR, organisational structure and the establishment process. This meeting was an opportunity to make sure all countries and participants agree with the content of the KH and a need to assess knowledge gaps in European regional and local level, and advance research, as well as to provide an innovative science-policy interface with existing EU platforms, integrate disciplines, consult stakeholders, and set up an interface between national expert communities.

Participants discussed aspects of synchronisation with different international processes such as the IPCC and other initiatives offering potential for additions to the knowledge base as well as useful synergies. Country representatives informed about potential national contributions to the KH. The envisioned start of the KH would be January 2021.



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Establishment of a Sea Level Rise Knowledge Hub

Report on Future research needs in support of Climate Services

Workshop on 9-10 June, 2020

[The full report of Scoping Workshop](#) “Future research needs in support of Climate Services” held on 9-10 June 2020 now is published. ERA4CS team thanks all who contributed by lively discussions and amendments to earlier versions of this report. This will constitute the main contribution of ERA4CS to the upcoming 2nd Scoping Forum of JPI Climate and hopefully will result in starting new relevant activities of JPI Climate.

This event was organized by ERA4CS as part of the preparation of the 2nd Scoping Forum of JPI Climate. Its objective was to identify current needs for research supporting the development of Climate Services (CS), in order to launch new activities of JPI Climate in this area.



Climate Predictability and Inter-regional Linkages and Future priorities in research on Climate Predictability

Workshop on 8-9 July, 2020

Final event of the research projects funded under the 2015 joint call "Climate Predictability and Inter-regional Linkages" and Future priorities in research on Climate Predictability was held on 8-9 of July to reflect on the outcomes of the projects, especially regarding networking and transdisciplinary aspects, and to identify knowledge gaps arising from projects' outcomes and frame possible future research directions.





AXIS

The ERA-NET Consortium
AXIS programme funded
projects activities

AXIS (Assessment of Cross(X) - sectoral climate Impacts and pathways for Sustainable transformation) funded 10 projects with total budget of 15 Mio. € supported by 10 funding organizations from Austria, Belgium, Germany, Ireland, France, Moldova, Netherlands, Norway, Spain, Sweden and co-fund support of the European Commission



LAMA CLIMA Webinar Series Completed

The LAMA CLIMA project funded by ERANET Consortium AXIS hosted a public webinar series in May-June 2020, featuring speakers with various expertise in the field of climate change and land use. The webinars covered the following subjects, have been recorded and can now be viewed on Climate Analytics' [YouTube channel](#):

1. [The Future of Land Cover, Land Management and Climate Change](#):

Speakers presented the scenarios for future land cover considered in the last Special

Report on Land of the IPCC, and especially what role they foresee for the land contribution to mitigation including through Carbon Dioxide Removal techniques. The implications of this contribution for other sustainability objectives were also discussed, together with open research questions on the exact contribution of land use change and land management techniques to adaptation via its impact on for example albedo and plant transpiration.

2. [Effects of Irrigation on Climate Change:](#)

Participants and presenters discussed how irrigation has counteracted the influence of global warming on heat waves in some areas, its importance for food security but also the challenges it poses for other water uses in South Asia.

3. [Forest Management and Land Cover Change under Changing Climate](#)

The subject of this last webinar included the impacts of climate change on forests, the expectations placed on reforestation and climate-smart forest management for future climate mitigation, as well as its potentially underestimated role for adaptation.

Overall, the objective of the webinar series was to provide input and provoke a discussion on the complex and important interactions between land use, land cover change and climate. Approximately 250 people attended the webinars, coming from academic, consultancy and policy backgrounds.

Presentations from the speakers can be found on LAMA CLIMA's [project page](#).

Blog Article: Understanding the complex relationship between land and climate.

The LAMA CLIMA team published a [blog article](#) focusing on the potential role of land use and land management for climate adaptation and mitigation. The article describes the pressures on our land systems, outlines how land-based solutions could contribute to climate mitigation and adaptation, and also lists potential synergies but also trade-offs with some Sustainable Development Goals. The blog article also explains how the LAMA CLIMA project aims to address some of these issues.

Upcoming public webinars in Fall 2020 or early 2021

The LAMA CLIMA team is now planning their second webinar series, with the objective to delve deeper into the issues of biogeophysical and biogeochemical effects of key changes

in Land Cover and Land Management (LCLM) on climate and their implications for sectors such as agriculture, water availability and economic productivity.

The details of the webinars will follow shortly; including information on speakers, specific titles, date, time and registration. Please follow the [project page](#) and Climate Analytics' social media accounts ([Twitter](#), [Facebook](#), [LinkedIn](#)) for webinar updates and registration links. You can also [subscribe to our newsletter](#) to get updates on the developments related to LAMACLIMA and on upcoming events and publications.

SHAPE stakeholder dialogue on Sustainable Development Pathways has started

Almost 60 stakeholders from politics, economy and civil society participated in an online seminar on June 30, 2020, which marked the starting point for the SHAPE stakeholder dialogue. The seminar served to provide basic information on the SHAPE project and stakeholder dialogue, to give participants the opportunity to get to know each other, and to collect and answer their general questions on the process.

The SHAPE project investigates interactions between options to mitigate climate change and the broader agenda of the United Nations' Sustainable Development Goals. It aims at the modelling Sustainable Development Pathways that simultaneously achieve the United Nations' Sustainable Development Goals in 2030, maintain sustainable development thereafter, and meet the climate targets set out in the Paris agreement.

In order to support robust decision-making and to enable a co-designing process, a **stakeholder dialogue** is carried out, which is closely intertwined with the development process of the project's Sustainable Development Pathways. The SHAPE Stakeholder Panel includes representatives from climate policy and the 2030 Agenda, civil society organizations, business, and experts from specific sectors and disciplines related to climate change mitigation and sustainability.

The stakeholder dialogue includes a number of **events**: An online seminar, a questionnaire, and (at least) two stakeholder workshops scheduled for October 2020 and October 2021. The figure below gives a schematic overview of the relationship between the

stakeholder dialogue and the work on the Sustainable Development Pathways until the end of 2021. The dashed ovals and line mark the period between October 2020 and October 2021, when additional events, e.g. with specific thematic focuses, are conceivable.

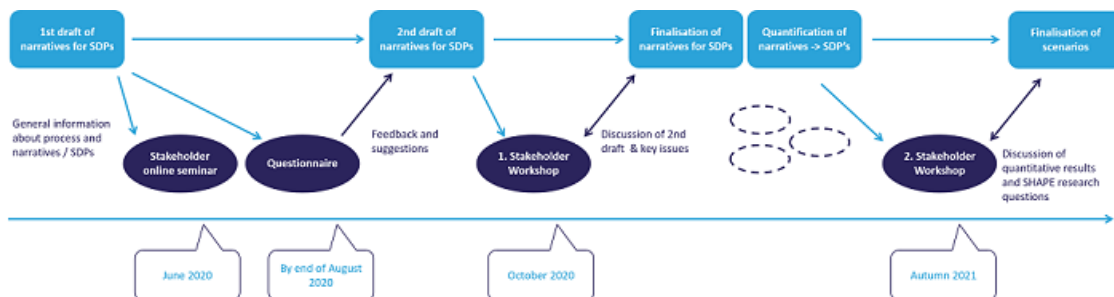


Figure: Interdependencies of stakeholder process and development of Sustainable Development Pathways (SDPs)

For more information about the project and the stakeholder dialogue (including a more detailed report about the webinar) take a look at the SHAPE [website](#) and full article is available [here](#)



UNCHAIN invites experts to the International Reference Group

In order to best achieve that, we have established an International Reference Group (IRG) and invited experts from different countries and institutions to join. The group involves high-level experts and organizations with advanced knowledge of climate change vulnerability assessments and adaptation in various decision-making contexts.

The group comprises 14 members from 11 different institutions, among others: Finance Norway, Tecnalia, Fondazione CMCC - Centro Euro-Mediterraneo sui Cambiamenti Climatici, United Nation University and a former representant of TNO innovation for life.

The experts in the International Reference Group cover a wide range of experience and expertise, including climate adaptation and vulnerability assessments, the insurance

industry and climate risks, as well as coordination of relevant research programmes, such as EEA ETC/CCA, Climate-ADAPT, DG CLIMA Adaptation Modelling.

The International Reference Group will be providing feedback to the project partners on the research objectives, methods, and results. Moreover, the reference group can provide recommendations for potential improvements and dissemination of the research findings. Therefore, IRG members are expected to:

- Participate at the annual general assemblies of the project and to a few virtual meetings (maximum once a year)
- Read project information published during the project
- Be available for direct contact, should the need arise

The first meeting of the IRG on 28 April 2020, was a success with many good discussions and knowledge exchange. This motivated the group to set up an online platform in order to facilitate further communication between meetings. The second one was held by mid-June 2020.

Knowledge gaps in climate change risk assessment

The report "Knowledge gaps in climate change risk assessment" is the first deliverable from the project "Unpacking climate impact chains - a new generation of climate change risk assessments" (UNCHAIN). The overall objective of the UNCHAIN project is to improve climate change risk assessment frameworks in order to improve the basis for decision-making and climate change adaptation action. The report identifies knowledge gaps in analysing climate change risks relating to the use of the impact chain framework, user-interface and stakeholder involvement, socio-economic scenarios, and societal exposure to climate change and transborder climate change impacts. The objective of this report is to serve as the scientific baseline for a series of case-studies aimed at improving an existing method for analysing local impacts of climate change; namely the "Impact Chain" approach.

Please read full article [here](#)

A new app M-Tool

A new app, called [M-Tool](#), has been developed by a researcher in the MECCA project (funded through the BMBF MultiTip project) that allows users to capture people's perceptions of complex systems (or mental models) with mobile devices, and can be tailored to map perceptions of any system or phenomenon. For example, one can draw the processes that cause climate change, influence the fluctuation of (fish) stock, or the functioning of an economy. Respondents create visual diagrams of a particular system by organizing relevant factors and linking them. This is the first tool that can be used by all kinds of stakeholders, as it does not require the respondent to read or write. Thanks to the standardised set-up of the tool, you can directly compare the perceptions of groups of respondents.

The app can now be downloaded for free in app stores, see www.m-tool.org for more information and the link to the appstores.



JPI Climate CSA SINCERE project activities



A coordination and support action funded under H2020 with 22 partners to strengthen the partnership on climate change research under JPI Climate including partners from Africa and Latin America



Climate data and climate services for the finance sector: challenges, opportunities and experience

[This blog](#) summarises the webinar dialogue on climate data and climate services for the finance sector: challenges, opportunities and experiences, that was organised by Climateurope and the SINCERE project in April 2020. During the webinar discussion took place on how climate change is entering into the financial arena and how financial institutes are supporting their clients to become more climate friendly. JPI Climate funded ClimInvest project and other speakers shared their experience in developing climate services for the finance sector. This blog is especially interesting for climate services research funders, developers and financial actors that deal with climate change. It will give insight in ongoing climate services initiatives and highlights new opportunities for finance sector – climate science collaboration.

The financial sector is aware of the potential impact of climate change on their products and customers. At the same time the sector's climate data needs are diverse, with insurance companies, lenders, and asset managers and owners having varying climate data and information needs.

In this webinar were invited speakers from the financial, advisory and research sectors to share how parts of the financial services sector are managing climate risks, and ways that

financial services firms can interact and engage with climate change research. This webinar is the first in a series of webinars organised together with SINCERE and Climateurope.

SINCERE works closely together with other partners in the preparation of a COST (European Cooperation in Science and Technology) Action proposal on Social Sciences and Humanities. The SHIFT - Social Sciences and Humanities For Transformation and Climate Resilience COST Action proposal is finalised to be submitted in October 2020.

In the meantime SINCERE plays a key role in the development and organisation of the next ECCA conference in Spring 2021.

Recent events



JPI Climate and JPI Cultural Heritage joint workshop « Cultural Heritage and Climate Change: New challenges and perspectives for research »

Took place on Thursday 17th September by videoconference. The aim of the workshop was to identify and discuss potential cross-priorities for research that could benefit from joint actions at the EU level from the JPI CH and the JPI Climate.

Two concrete outputs will be produced:

- 1) A summary report capturing the main messages from the workshop;
- 2) A White Paper identifying the knowledge gaps and research priorities in this field, which will be key to inform future actions from both JPIs on this theme. A Working Group to develop this paper will be established at its activities will be facilitated by the JPIs.

More information [here](#)

High-level Expert Workshop on Climate Adaptation Modelling

One of the priority areas of the 2013 EU Strategy on adaptation to climate change is better-informed decision-making. The High-level Expert Workshop on Climate Adaptation Modelling, was held online on September 8-10, 2020, and offered an opportunity for modellers and experts from academia, public agencies, business enterprises and societal organisation to exchange knowledge and good practices on adaptation to climate change and strengthen professional networks.

The event was organized in the framework of [the project Study on Adaptation Modelling \(SAM-PS\)](#), which is conducting a review of climate change adaptation modelling methods and tools, developing guidance for their application and use-cases for their rapid deployment.

The results of the study CLIMA.A3/ETU/2018/0010 Study on Adaptation Modelling was presented during the workshop. The study aims at summarising the state-of-the-art across the adaptation modelling fields, identifying gaps and unused opportunities, and contributing to improving access to and uptake of climate data and open access/source modelling tools for the purpose of better-informed policy and decision making.



European Green Deal call launched under Horizon 2020

On 17 September 2020, the European Commission launched the last and biggest call under Horizon 2020, the European Green Deal Call. The call will respond to the climate crisis, provide more protection to Europe's biodiversity and habitats under threat, and accelerate a sustainable recovery. This Green Deal Call differs in important aspects from previous Horizon 2020 calls. Given the urgency of the challenges it addresses, it aims for clear, discernible results in the short to medium-term, but with a perspective of long-term change. There are fewer, but more targeted, larger and visible actions, with a focus on rapid scalability, dissemination and uptake.

More information [here](#)



Let's shape the future together

European Research and Innovation Days is the European Commission's annual flagship Research and Innovation event, bringing together policymakers, researchers, entrepreneurs and the public to debate and shape the future of research and innovation in Europe and beyond.

By creating connections between cutting-edge scientific research and the most pressing

challenges of a generation, the European Research and Innovation Days represent a unique opportunity to join the conversation and enact real change.

The event is all about collaboration: bringing together individuals and experts from all areas to build connections and ignite a brighter future.

More information [here](#)



JPI Climate & JPI Oceans Projects on Next Generation Climate Science in Europe for Oceans

30 September 2020, Kick-off meeting

Upcoming events



Transdisciplinary Advisory Board
13 October 2020, Virtual meeting
JPI Climate 22nd Governing Board and
28-29 October 2020, Virtual meeting

You're Invited to our results showcase!



Join Clim2Power on 9 November:

We are pleased to invite you to Clim2power's Results Showcase Session to be held online on 9 November 2020. Members of the Clim2power consortium will present project results and explore opportunities for future collaborations. Please save the date. More details will be provided in the following weeks.

www.clim2power.com

🐦 @CLIM2POWER

ERA4CS projects meeting

3 December 2020, Virtual meeting



Climateurope Festival 2020 - Information at Your service will be held virtually

The third festival of Climateurope now is a series of virtual Webstivals (web – festivals). Forthcoming online



events on 15 October and 19
November, 2020. [More information
here](#)

Interesting news

GREEN WIN Greener Waterway Infrastructure

Green WIN, an Interreg NWE funded project, tackles the excess energy use and high carbon emissions caused when pumping water around rivers and canals.

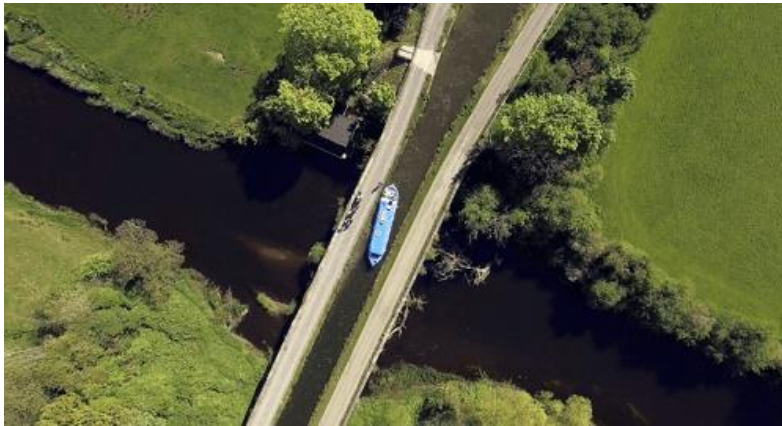
Laboratory trials in University Liège is one of the key activity in the project and a bespoke test tank is being constructed to host such testing, allowing for different configurations of equipment to be tested for various hydrological and operational scenarios.

The benchmarking of current pumping installations at selected pilot sites in the United Kingdom, France and Ireland, is followed by important site trials, testing solutions to check how they work in real operational conditions.

The pump industry, especially SME's, are invited to support all Green WIN activities, by getting involved directly in the laboratory or site trials, participating in an Advisory Board or the Greener Waterways Network (currently a team of other inland waterway organisations and environmental groups) or simply by helping to promote progress.

Green WIN will promote the project findings in to the future, thanks to their online 'Greener Pumping Toolkit', encouraging more organisations across Europe to adopt Green WIN's solutions as good practice to achieve wider efficiencies and carbon reductions and 'make the waterways greener'.

[For more on how Green Win is working to lower CO2 emissions for a greener waterway infrastructure:](#)



Aerial view of the Leinster Aqueduct on the Grand Canal, one of the trial sites in Ireland

UK government proposed that COP26 takes place from 1-12 November 2021

The 26th session of the Conference of the Parties (COP 26) to the UNFCCC

The UK has won the bid to host the 26th Conference of the Parties, known as COP26, following a partnership with Italy. The UK as incoming Presidency is proposing to hold COP26 on 1- 12 November 2021. Given the uneven spread of COVID19, this date would present the lowest risk of further postponement, and the best chance of delivering an inclusive and ambitious COP.

The postponement of COP26 should not mean postponement of climate action. The science is clear that we must urgently scale up action to respond to the threat of climate change, particularly for the most vulnerable countries and communities at the frontline of climate impacts. The delay to COP puts an even greater premium on events to maintain momentum. A series of multilateral, regional and high level climate events over the next 18 months will be organised to achieve this



JPI Climate is also present in the social media

Join us in our group of 266 members in [LinkedIn](#) and the 2306 followers on [Twitter](#), subscribe to our newsletter, have a look at our website and watch our videos on [Youtube](#) if you want to learn more about [JPI Climate](#).



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