ERA4CS 26 funded projects continue to implement their activities to advance Climate Services in Europe.

Follow the progress of the implementation of projects on our [website](#).

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**ERA4CS project news**

ERA4CS Coordinator Philippe Bougeault informs about the activities from the coordination:

- mid-term report of ERA4CS has been prepared and delivered in January;
- mid-term evaluation of the projects is starting: all projects have to return their questionnaire and survey by end April;
- mid-term meeting of all projects will be organised on 17-18 September in Brussels: the full two days will be used;
- ERA4CS will continue its support to JPI-Climate IP preparation, the engagement of all partners is needed for this work;
- A pilot experiment for co-alignment of CS will soon be launched by AEI (Spain) and CNRS (France). A call for short visits between climate services providers will be issued.
All relevant information can be found on the ERA4CS website www.ERA4CS.eu.

The 4th European Climate Change Adaptation Conference (ECCA 2019)
28-30 May 2019, Lisbon, Portugal

ECCA 2019 - a side event co-organised by JPI Climate, SINCERE, ERA4CS projects

JPI Climate and ERA4CS invites those who are interested in climate services to attend a side event and visit ERA4CS projects at the conference booth.

The ERA4CS project in close cooperation with JPI Climate and SINCERE project organises a side-event "Five years of climate services in JPI Climate: state of affairs, lessons learned and the way forward" before the start of ECCA2019 on 27th of May at 13:00 in Lisbon, Portugal.

A network of European researchers is currently working on the development of climate services. Climate services are posed to become a source of key strategic information for many sectors, but perhaps the one in which their momentum is greater is climate finance, given their role in disclosure requirements for the investment process of institutional investors. On the other hand, lack of finance was recently identified as one of the main barriers to adaptation (EEA, 2014) In this session, we aim to showcase various Europe-made climate services and will set-up a discussion on different aspects concerning their development.
JPI Climate Instagram account is launched

JPIClimate@ECCA2019

Follow JPIClimate@ECCA2019 on Instagram for all our ECCA 2019 updates

The aim of the Insta account is to promote to all members and projects of JPI Climate and engage delegates & visitors – especially younger adults & students/teenagers – with the JPI Climate and associated project booths at ECCA 2019 using social media platforms, creating an online and real life buzz around the climate change theme and core messages within the event and externally with a legacy beyond the closing date of ECCA 2019.
The call for the pilot experiment will be announced soon

A pilot experiment of Task 8.3 for co-alignment of Climate Services has been defined, led by AEI (Spain) with participation of CNRS (France). The call of the pilot experiment will be launched by the end of May. Please follow the information on the [ERA4CS website](https://era4cs.jrc.ec.europa.eu/).

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**Advancing QUAlity of Climate services for European Water**

The AQUACLEW project has a website: [www.aquaclew.eu](http://www.aquaclew.eu)

The AQUACLEW project website shows all project outcomes and is regularly updated to reflect the latest progress. Here, you can find descriptions of the research that is being undertaken to investigate user uptake and user needs of climate services, and how to improve the quality of data delivered through climate services. Ultimately, there are detailed descriptions of seven real-world, European case studies that are used to evaluate the impact of using climate services on decision making. The website also lists scientific publications resulting from project work. AQUACLEW endeavors to be a climate-friendly research project, and as such monitors the ‘friendliness’ through different performance indicators, which are also shared on the website.

**AQUACLEW outreach at EGU2019**

There were many activities from AQUACLEW partners at the recent EGU2019 conference in Vienna, Austria (8th – 12th April). We had the following oral and poster presentations
preliminary results from two of the seven case studies (BOKU/UIBK and IRSTEA)

* a framework for a game to support decision-making for long term, climate-related decisions (UCO)

* preliminary results on method comparisons (GEUS)

The ‘Feedback Loops’ were launched, and have already been completed by some online visitors to get feedback on climate data production and climate services. You can give feedback at [http://aquaclew.eu/user-guidance-and-feedback/](http://aquaclew.eu/user-guidance-and-feedback/). SMHI led a splinter meeting to set up a pan-European experiment of Climate Impact Model Inter-comparison, which was well-attended with lively discussion on model calibration/evaluation for more trustworthy hydrological modelling under climate change. The initiative will run under the umbrella of ISI-MIP, JPI/ERA4C AQUACLEW and plans to make use of new climate data from the C3S at ECMWF.

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**DustClim**

**DustClim activities**

- DustClim Mid-term meeting, CNR Headquaters, Rome, Italy, 12-13 March
- Participation in the inDust Training School on Dust Products, Averio, Portugal, 4-6 February (pictures: https://cost-indust.eu/gallery/Training_Aveiro)
- Participation in the inDust User Workshop on Dust products for Solar Energy, Offenbach, Germany, 19-20 February 2019 (pictures: https://cost-indust.eu/node/107)
- Participation in the inDust User Workshop on Dust products for Air Quality, Rome, Italy, 11-12 March 2019 (pictures: https://cost-indust.eu/node/109)
- Participation in the inDust User Workshop on Dust products for Aviation, Cranfield, United Kingdom, 4-15 March 2019 (pictures: https://cost-indust.eu/node/111)

Climate risk: Need for more collaboration between research and finance

How can investors protect their portfolios against physical impacts of climate change? A new report from the ERA4CS funded project ClimINVEST provides insight to what investors need to make better investment decisions in a changing climate.

![Climate hazard](image1.png)  ![Physical impacts](image2.png)  ![Financial impacts](image3.png)

WINDSURFER: Engaging with the Oil and Gas Industry on Climate Change Adaptation
The IOGP (The International Oil and Gas Producers Association) recently held a workshop on “Our future climate – understanding the spread of physical risk for the oil and gas industry”. The workshop brought together climate researchers and over 40 IOGP members from around the world (including BP, Shell, and ConocoPhillips). The aim of the workshop was to disseminate the latest research on how climate change may impact the oil and gas industry and what steps IOGP members can take to better understand these risks to assist with planning for adaptation to potential changes.

The ERA4CS WINDSURFER project was well represented at the workshop with Prof Oyvind Breivik from the Norwegian Meteorological Institute speaking on the impact of climate change on extreme waves and Prof Len Shaffrey from the National Centre for Atmospheric Science in the UK speaking on how the North Atlantic storms might change in the future. ERA4CS WINDSURFER is a three-year project involving eight leading research institutions across Europe to co-develop new methods, tools and assessments of extreme wind and wave risk with a focus on Insurance, Forestry and Energy.

Further links:

Impact Indicator Development under the ISIpedia Project

Two ISIpedia “Indicator Development Workshops” were held with the aim of facilitating exchange between climate-impact modellers and stakeholders in a first effort to identify and build relevant climate-impact indicators. The workshops were held in the two ISIpedia focus regions, Eastern Europe and West Africa, with the first workshop in Krakow, Poland bringing together 15 stakeholders and 4 impact modellers (from the ISIMIP community) and the second in Ouagadougou, Burkina Faso gathering 41 stakeholders and 4 ISIMIP modellers.
While developing a set of useful (for stakeholders) and feasible (within the framework of ISIMIP) indicators proved to be a more ambitious task than anticipated, the two workshops had many incredibly valuable outcomes. This included capacity building for both stakeholders and modellers, in addition to a few interesting indicators and many seed ideas for further development of indicators. One of the key outcomes was stakeholder learning on what ISIpedia can offer and how impact models work: what do the outputs look like, what are the climate and socioeconomic input layers, the advantages of a harmonised protocol and the bounds and limits of global models. On the other hand, ISIMIP modellers learned a lot about what is useful and necessary in the policy and administrative sphere. For example, during a session on “vocabulary building” both groups realized and had to reconcile a mis-match of terms used. In one case, modellers defined “near-future” as the 2030-2040 whereas stakeholders defined “near-future” as the next 1-3 years or at most 10 years.

Indicators were developed across a multitude of ISIMIP sectors and on cross-sectoral topics. Suggestions of participants ranged from disaggregating existing indicators such as “energy supply,” which can be split to show the specific [impact on] potential of different renewable energies, to building new indicators, such as “changes to heating/cooling costs,” that resulted from the inclusion of information on energy efficiency and costs to the ISIMIP variable on the number of days where the heating/air-conditioning are needed. An example for a cross-sectoral indicator suggested by participants was the assessment of “malaria risk per month” which would give an estimate of population at risk for malaria (based on factors that are suitable for the spread of the disease) in any given month under climate change scenarios.

Next on the ISIpedia calendar is the ISIMIP Cross-sectoral Workshop in Paris, June 4-7, where ISIMIP modellers from all sectors will come together to discuss recent work as well as planned studies in the next ISIMIP simulation phase, including how to include certain socioeconomic drivers in simulations, and how to translate the ISIMIP outputs into ISIpedia national assessments.
In the frame of the Climate information for Integrated Renewable Electricity Generation project (CIREG), the Stockholm Environment Institute (SEI) and the West African Science Service Center on Climate Adaptation and Land Use (WASCAL) co-organized two training workshops (March 11th - 15th in Accra, Ghana and March 18th - 22nd in Ouagadougou, Burkina Faso) for the benefit of renewable energy practitioners in West Africa. The two events were a follow-up to climate services demanded by the project beneficiaries during the first stakeholder workshop in Niamey-Niger (October 1st - 4th 2018). Both workshops provided hands-on training using the Long-range Energy Alternatives Planning system (LEAP) and the Water Evaluation And Planning system (WEAP) tools.

More information about the workshops, please read [here](#).
The fourth INNOVA e-zine presents the activities and background of Guadeloupe and Martinique as part of the INNOVA project. These French West-Indies islands (FWI) are investigating solutions to reduce their vulnerability to global climate change. During the last decades, the FWI were subject to many and intense climate impacts on agricultural production.

https://www.urbanclimateadaptation.net/ezine4/

What climate services can do for us

ERA4CS video

How can ibexes, football addicts and cities benefit from climate services? The short animation from the ERA4CS consortium shows the opportunities of using reliable climate information to cope with current and future climate variability.

Available on YouTube
The Call on Next Generation Climate Science in Europe for Oceans is launched

JPI Climate & JPI Oceans Joint Transnational Call on Next Generation Climate Science in Europe for Oceans is launched on 18th of February. The joint call is supported by 9 countries with a total budget of 8.6 million EUR.

This Joint Call focuses on oceans and climate, using observations and Earth system models in order to address the following topics:

• Strengthening our understanding of climate variability and extremes resulting from the interactions with the oceans such as extratropical and tropical cyclones, and how they are affected by climate change on a range of time scales.

• Improving the representation of air-sea interactions, physical and biogeochemical ocean processes in Earth System Models to better represent small-scale non-linear processes as well as water, energy and carbon cycles. Model-data analyses using innovative approaches will be welcome.

• Improving estimates of climate change induced modifications of ocean physics and ocean chemistry, associated with biogeochemical cycles, including ocean acidification and carbon sequestration.

The deadline for submitting proposals is on 14 June 2019 at 13:00 CEST. All applications must be submitted via the submission platform.

For more information please read here.
The AXIS Joint Call for Transnational Collaborative Research Projects 2018 has selected for funding 10 projects
The ERA-NET AXIS received 42 pre-proposals and 40 full proposals were submitted to the eligibility check by the funding agencies and evaluated by the Expert panel of 20 members. Based on the results of the Expert panel’s evaluation and on the available funds, the Call Steering Committee decided to select for funding 10 of the submitted 40 full proposals. Expected start for projects: September 2019. More information about funded projects here.

Calling all talented science performers & communicators!
Pop-Up Climate Services Science
ECCA 2019 (May 27-30)

How creative can you be in communicating climate services? This is stand-up comedy / open mic / poetry slam / busking meets climate science & we want to showcase your talents & skills on the JPI Climate stand at ECCA 2019

So if you can do stand-up comedy, science / magic tricks, juggle, sing, write and recite a poem, draw cartoons – anything entertaining! – and you are going to ECCA 2019, please let us know now and you could be using your talents to communicate climate science & adaptation and putting your project in the spotlight.

Please email secretariat@jpi-climate.belspo.be with a brief description of your ‘party piece’ or event better send us a photo or a video clip.
17th JPI Climate Governing Board meeting

15-16 of May, 2019 Helsinki, Finland

**SINCERE project Task 4.2. Flagship for Latin America Scoping Workshop - preparing a joint vision and collaborative activities**

17 May 2019, Helsinki, Finland

**ISIMIP Cross-sectoral Workshop**

Paris, France 4-7 June 2019

ISIMIP modellers from all sectors will come together to discuss recent work and planned studies in the next ISIMIP simulation phase, how to include certain socioeconomic drivers in simulations and how to translate the ISIMIP outputs into ISIpedia national assessments.

**ERA4CS projects Midterm meeting**

Brussels, Belgium 17-18 September 2019
ERA4CS is an initiative of JPI Climate

JPI Climate is also present in the social media
Join us in our group of 247 members in LinkedIn and the 1735 followers on Twitter, subscribe to our newsletter, watch our website and have a look at our videos on Youtube if you want to learn more about JPI Climate.

All relevant information can be found on the ERA4CS website www.ERA4CS.eu.

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JPI Climate Central Secretariat
Avenue Louise 231
1050 Brussels - Belgium

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