



CLISWELN Climate Services for the Water-Energy-LandFood Nexus

European Research Area for Climate Services
Joint Call for Transnational Collaborative Research

Topic A – Researching and Advancing Climate Service Development by Advanced Codevelopment with users

Start date of project: 1 October 2017

Duration of project: 3 years

Deliverable 6.2.a. Press releases for concepts and findings in the 3 CLISWELN case studies.

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Dissemination level: Public

Funders

The project CLISWELN is part of ERA4CS, an ERA-NET initiated by JPI Climate, and is funded by BMBF (DE), UEFISCDI (RO), BMBWF and FFG (AT), and MINECO (ES) with co-funding by the European Union (Grant 690462).

Ministerio de Economía y Competitividad (MINECO, Spain).



• Bundesministerium für Bildung, Wissenschaft und Forschung (BMBWF, Austria). Österreichische Forschungsförderungsgesellschaft FFG.



• Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI, Romania)



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Bundesministerium f
 ür Bildung und Forschung (BMBF, Germany).



License







Document history

| Version | Date | Reason of change |
|---------|------------|------------------|
| 1 | 15/04/2019 | First draft |
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| 3 | 30/08/2019 | Third draft |
| | | |

Authors

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Executive summary

The following deliverable is comprised of materials sent for media distribution across the 3 CLISWELN case studies. Four such deliverables are planned along the project, in which materials sent to media and press will be included about concepts framing the project and findings from the 3 case studies in the project. Due to the quadruple nature of the deliverable, a letter "a" is attached to the "Deliverable 6.2.a" document name, and "b", "c", and "d" will follow.





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1. Introduction

Effective communication and dissemination is required in order to raise awareness for a research project and its results, to facilitate the uptake of research results in policy- and decision-making, and to increase the relevance of research results for addressing societal challenges. In this Deliverable, we summarize the media efforts in CLISWELN for and across the case study regions.

The project comprises a total of 4 such sub-deliverables with materials directed to media distribution. Because of there are 4 such sub-deliverables, the letter a is attached to the *Deliverable 6.2.a* document name, and b, c, and d will follow.





1. Austrian case study "Seewinkel" and activities from BOKU

1. 15. 11. 2018 - Newspaper "Neues Land" - Expert interview

The expert interview dealt with the impact of climate change on agricultural production in Austria. The newspaper is weekly published in printed edition. However, the articles are also released online. The newspaper addresses Austrian farmers and considers topical challenges in agriculture.



Figure 1.1: Screenshot of the online newspaper article – expert interview 11/2018

2. 27. 11. 2018 -ÖKL-Kolloquium: "Production factor weather" - Expert talk

The yearly conducted colloquium of the Austrian Council for Agricultural Engineering and Rural Development (ÖKL)¹ deals with topical questions related to agricultural production. ÖKL offers an information and discussion platform to link research institutes, administrative authorities and practitioners in the agricultural sector. The national NGO aims at encouraging innovative practices and their implementation to preserve cultural landscapes and increase the competitiveness of Austrian farms and the quality of life in rural areas. The topic of the colloquium in autumn 2018 was the "Production factor weather" and offered a good possibility to discuss climate change impacts on agriculture with national stakeholders including, e.g., policy and decision-makers as well as extension experts.

¹ orig.: Österreichisches Kuratorium für Landtechnik und Landentwicklung (ÖKL)







Figure 1.2: Screenshot of the online report – expert talk 11/2018

Figure 3: Screenshot of the newspaper article – expert interview 11/2018

3. 01. 04. 2019 - Newspaper "Geschnatter" - Opinion Statement in National Park

Newspaper

An opinion statement of a master's student, who is writing her master thesis about the WEL Nexus in the Seewinkel region, was published in the newspaper of the national park Neusiedler See Seewinkel. She discussed the role of agriculture in the national park. The quarterly published newspaper is addressed at regional residents as well as at tourists, visiting the national park and the case study region. It is available in a printed version, but also online on the website of the national park Neusiedler See – Seewinkel.



Figure 1.3: Screenshot of the opinion statement -04/2019





2. Spanish case study "Marina Baixa County" and activities from HZG

1. 01. 10. 2017 to date - Website - news item

News item informing about CLISWELN project on the institutional webpage of CREAF. Target groups for this news item are all the ones visiting CREAF's webpage: researchers from related institutions or interested in the research developed at CREAF, stakeholders and civil society, science communication experts, etc.

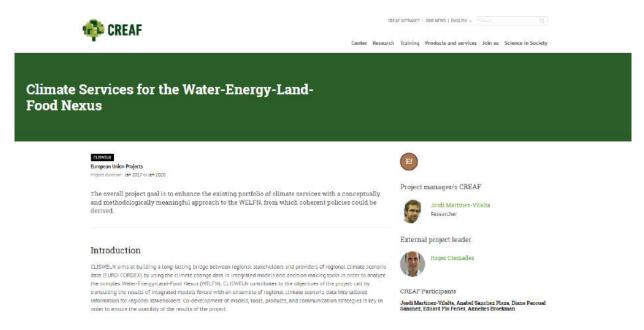


Figure 2.1: Screenshot of news item about CLISWELN in CREAF's institutional webpage.

2. 01.06.2018 CLISWELN leaflet.

This 3 pager leaflet describing the CLISWELN project has been prepared together with the ERA4CS office and is under online distribution at the website of the project and through other media channels (e.g. twitter).









2016 ERA4CS Joint Call on Researching and Advancing Climate Services Development

CLISWELN

CLISWELN

Climate Services for the Water-Energy-Land Nexus
October 2017 – September 2020
Clisweln.info/#CLISWELN
A project funded under JPI Climate and ERA4CS

What is the CLISWELN project about?

We need to understand what are the factors that imperil the economy, factors that will play a role together with climate change, in order to transform climate scenario data into information useful for planning and decision making for stakeholders. In this context, drought risk plays an important role, as we saw during the summer of 2018 in Germany. This project aims to provide climate services for drought affected sectors and systems of sectors, like agriculture, forestry and cities, using climate change projection data in integrated models and decision-making tools in order to analyze the complex water-energy-land-food nexus (see Figure 1). CLISWELN analyses the drought because it has a significant impact on water supplies, but in socio-economic terms, a drought is the imbalance between supply and demand, so it is necessary to understand what demand factors play a role, together with climate change, and to analyse the entire system of demand and supply including all the involved sectors in each case study.

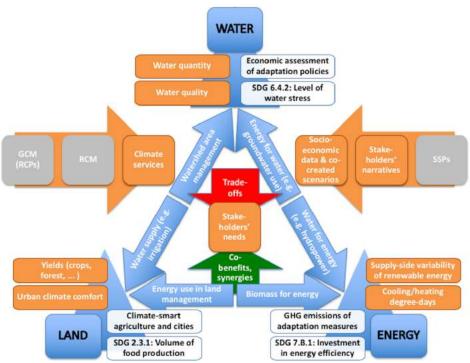


Figure 1: Technical scheme of the integration of climate services with the water-energy-land nexus in the project CLISWELN (Source: Cremades et al., 2019; *STOTEN*.).

1 | Page JPI Climate Central Secretariat

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2016 ERA4CS Joint Call on Researching and Advancing Climate Services Development

Highlights

- CLISWELN is producing tools for urban planning and information for decision makers in agriculture, forestry and cities so that they can understand the implications of management decisions under climate change scenarios.
- CLISWELN links forest land use to water supply availability for cities and greenhouse gas emissions
 from additional sources of water. In this way it introduces an approach to assure that adaptation
 options advised by climate services do not increase greenhouse gas emissions.
- CLISWELN provides insights about the resilience of the tourism sector to climate change in areas
 with high pressures for urban development that could significantly increase water demands, in a
 context where the nexus between water, cities and agriculture is crucial to understand how to
 adapt to longer and more intense droughts.
- In some case studies we have been able to install field meteorological equipment that will improve
 the quality of the research performed by providing better data to calibrate the results of the
 hydrological simulations.

Keywords / hashtags

Keywords: climate services; nexus; drought; cities; agriculture.

Hashtags: #clisweln; #nexus; #drought

Potential societal impacts

To exemplify the societal impact of the project, the information for urban water supply planning in the Sacele river basin in Romania involves stakeholders from a water treatment plant linked to a dam that is used for urban water provision for Brasov, an important city; in this dam there are sedimentation problems and the dam managers and urban water suppliers are truly eager to see our final results and understand the implications of co-designed land use scenarios and climate change in the sedimentation problem.

About the project leader



I am Dr. Roger Cremades, the leading investigator of CLISWELN, you can drop me an email at roger.cremades@hzg.de. I envisioned this project when droughts were not yet perceived in the media as a present major risk in Germany. I am mostly interested in realistically integrating all economic sectors and their nexus across resources (water, land, energy) in socio-economic tools for climate change adaptation and sustainability. For me 2+2 sometimes can sum more than 4, because the real world is a complex system full of synergies and feedback loops. Traditional methods exclude this complexity. My goal is to improve

existing practices by focussing on complex systems applied to climate services.









2016 ERA4CS Joint Call on Researching and Advancing Climate Services Development

About the project consortium



Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH, particularly its Climate Service Center Germany (GERICS), is the lead partner and focuses on the interactions of cities with droughts under climate change in a case study in a Mediterranean tourism hub in Spain. Universität für Bodenkultur Wien, Austria, runs an agricultural model that reproduces land, water and energy use in agriculture and applies it to a case study in Austria. Centre for Ecological Research and Forestry Applications, Spain, does the hydrological simulations for the Spanish case study. And finally, the National Institute for Research and Development in Forestry "Marin Dracea", Romania, prepared a case study linking forestry land use with urban resilience to droughts. The stakeholders in the project are mostly in the urban planning, water management, and agriculture and forestry sectors, depending on each case study.





Figures 2 and 3: Project meeting and field visit during a visit to the Spanish case study in Benidorm. The project partners visited medieval water infrastructure and appreciated that there is a long story in the area about innovations dealing with water scarcity.

The role of JPI Climate

JPI Climate is supporting research on climate services and cross-sectoral complexity, and is helping us to develop the research. JPI Climate gives us the opportunity to attend and organise sessions in major project-related conferences at the global and European scales, particularly CLISWELN organised sessions at Adaptation Futures 2018 and at the European Climate Change Adaptation 2019 conference, on which the project partners collected feedback from multiple international colleagues. JPI Climate also helps us to create synergies with other projects about climate services and about the water-energy-land nexus.





3. 01.07. 2017 to date – Interview in most important water-energy-land nexus news distribution platform

The following interview below is due to appear within summer 2019 in *Nexus, The Water, Energy and Food Security Resource Platform* (https://www.water-energy-food.org) and also will be sent in their regular newsletter.











Nexus Newsletter

Article on the newly published paper "Ten principles to integrate the waterenergy-land nexus with climate services for co-producing local and regional integrated assessments"

By Roger Cremades, Climate Service Centre Germany (GERICS) and main author of the paper.

- Short background of Roger Cremades, the lead author.



I have no background, from engineering I jumped to environmental science and then to economics, now I am stablishing myself as complex systems scholar. I am mostly interested in realistically integrating all economic sectors and their nexus across resources and to provide solutions for sustainability. For me 2+2 sometimes can sum more than 4, because the real world is a complex system full of synergies and feedback loops.

- To whom is the paper mainly addressed?

The paper is addressed to the global change research community requiring methods and frameworks to expand their research agenda towards the multiplicity of societal goals and linked systems.

Importantly, it also addressed to nexus scholars, hey! Are you clear on your definition of the nexus? Why do not you think of conceptualizing it in a transparent multi-layer way? Indeed, current nexus approaches lack a clear definition and a common framework for sustainability research, these are two important milestones we provided in the 10 principles paper.

Overall, it makes a very strong suggestion to global change scholars, frankly we need to move on into complex systems approaches to be able to provide insights that can make a difference. Indeed, it is hilarious that young climate activists tweet about feedback loops while they are ignored in some crucial global change research domains, what does this mean I leave to the public to judge.

- What was your main motivation when envisioning this paper?

We found that the climate services agenda had no framework to test cross-sectoral integration across resources, which could lead to diverse forms of maladaptation such as





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increased emissions as observed in my previous nexus work in China, and that the nexus could play a role on the cross-sectoral integration.

- When and where should the principles be applied? How do they help in practice?

The 10 principles are a versatile tool, helpful in any global change study. In practice they help with the multiple corners you need to consider for knowledge co-production with stakeholders on the top of nexus studies, and on how to deal with the cross-sectoral implications of for instance water use on the top of climate services. They will help you to understand whether you need the nexus approach, whether you could trigger unexpected feedbacks leading to maladaptation, and how best to capture the cross-sectoral links when necessary, inter alia.

- Are there examples, where the principles have already been applied?

The case studies in CLISWELN (a project originated from JPI Climate and funded by Horizon 2020 and several EU countries) go in this direction, and apply the principles to particular cases.

- What are the main challenges in applying these principles?

Data on the social and economic dynamics is hard to find for each case-study with sufficient spatial and temporal resolution to capture all the involved patterns. Methods are also difficult to use, how to couple the micro behaviour of the involved stakeholders with the macro patterns of markets is a pending question, however we make several recommendations on how to deal with this methodological gap on economics.

 Can you briefly introduce the guiding questions included to compare nexus case studies under climate change?

Comparing nexus case studies can be difficult due to the variety of nexus features, feedback loops, and links across resource layers, so how do you compare them? We found that there are questions at the system meta level, that help you understand commonalities and differences across case studies.

- How do the authors wish to follow-up with the developed framework and principles?

Now it is time to work towards a multi-layer nexus approach rich in data, both in the natural and in the socio-economic and policy dimensions of global environmental change. Within the ethical grounds of data privacy, it is possible to do amazing things with virtual and face-to-face social networks, mobile sensors, and 4D virtual reality... just give me time to write more proposals (laugh).





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3. Rumanian case study "Tărlung river basin and city of Braşov" and activities from INCDS

 10-oct-16: Informing stakeholders – project proposal and new opportunities derived from the project results in sustainable management of the research area.

As early as the proposal phase of this project, policy and decision makers considered relevant to the purpose of the case study and the objectives of the research project were contacts. Moreover, they were informed about the importance of the research project, the research method, the expected results and especially their usefulness for the sustainable management of the NEXUS components. (Figure 1).



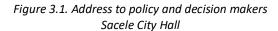




Figure 3.2. Address to policy and decision makers

Metropolitan Agency of Brasov





 30-oct- 2017: CLISWELN project website (https://www.hzg.de/ms/clisweln/index.php.en): raising awareness about the importance of the CLISWELN project in the climate change context

The CLISWELN project website (Figure 5) offers the possibility to disseminate the project results to a wide range of interested persons.

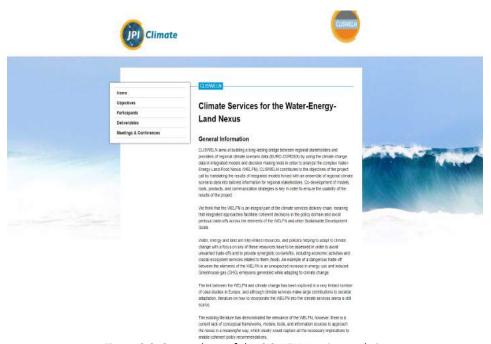


Figure 3.3. Screenshots of the CISWELN project website

At the local level, there is a dedicated website for the case study of the Tarlung watershed within the CLISWELN project (http://clisweln.info/climate-services-for-the-water-energy-land-food-nexus/project-identification-data/) hosted by the internal server of the INCDS. On this site are presented the results obtained in local language, (Figure 6, 7) and could be accessed by every person interested.







Figure 3.4. Screenshots of the local CLISWELN website

Figure 3.5. Screenshots of the scientific report from the local CLISWELN website









CLISWELN Climate Services for the Water-Energy-LandFood Nexus

European Research Area for Climate Services

Joint Call for Transnational Collaborative Research

Topic A – Researching and Advancing Climate Service Development by Advanced Codevelopment with users

Start date of project: 1 October 2017

Duration of project: 3 years

Deliverable 6.2.b Press releases and media materials for concepts and findings in the 3 CLISWELN case studies

Due date of deliverable: 09 - 2019

Actual submission date: 02 – 2020

Organization name of lead contractor for this deliverable: BOKU

Dissemination level: Public

Funders

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• Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI, Romania)



• Bundesministerium für Bildung und Forschung (BMBF, Germany).



License







Document history

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| 2 | 13/02/2020 | Final version | |
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1. Introduction

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2. Austrian case study "Seewinkel" and activies from BOKU

27. 11. 2018 - Newspaper "Falter" - Expert interview

The expert interview was mostly about impacts of climate change on agricultural production in Austria and the implementation of climate change mitigation and adaptation measures. The weekly published newspaper is addressed to the general public. It deals with all kind of current issues. In the category "Land und Leben" (Land and Life), agricultural topics are captured regularly.



Figure 1: Screenshot of the newspaper article – expert interview 11/2018





26. 06. 2019 - Expert talk - Keynote at Symposium on "Climate change and agriculture

- Challenges and chances for producing food and feed"

The Symposium – organized by Netzwerk Zukunftsraum Land – dealt with climate change impacts on agriculture and potential adaptation measures. Thereby, climate change induced risks and uncertainties, as well as, potential mitigation and adaptation measures within the agricultural sector were presented by Hermine Mitter. Moreover, potential trade-offs and synergies emerging from climate change mitigation and adaptation were discussed.



Figure 2: Screenshot of the reporting on the symposium -06//2018





10/2019 – Book chapter in "Environment- and Bio-Resources Management for a sustainable future" – Inter- and transdisciplinary research for the Seewinkel region

The recently published book "Environment- and Bio-Resources Management for a sustainable future" is targeted at students of the BOKU university. The Austrian CLISWELN case study is presented as an example for inter- and transdisciplinary research, which is seen as an essential approach to ensure sustainable development.

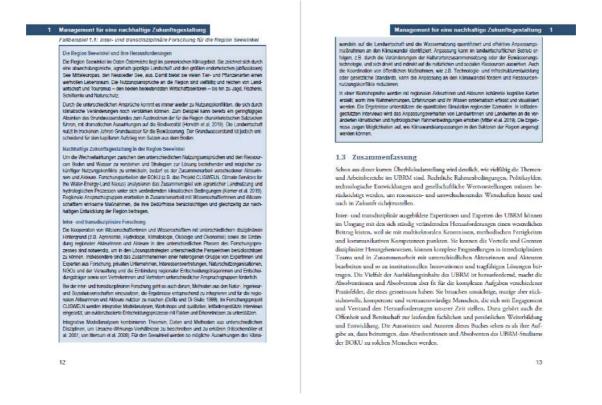


Figure 3: Screenshot of the book chapter "Inter- and transdisciplinary research for the Seewinkel region" -10//2019





3. Spanish case study "Marina Baixa County" and activities from HZG

Table 1 summarizes twitter activities of the CLISWELN project. The project does not have an own twitter account, however, relevant tweets are indicated with the hashtag "#CLISWELN". Information is disseminated through personal accounts of project members (mostly Roger Cremades, HZG with over 750 accounts following, and with some contributions from Mirabela Marin, INDCDS), projects partners and related institutions. In the following table tweets which mentioned the hashtag "#CLISWELN" are cited.

Table 1: Summary of twitter interactions of the CLISWELN project (figures as per 22nd of November).

| Account (ordered by number of retweets) | Relation to CLISWELN | Number of followers | total number of | with a total number | with total number of likes |
|---|-------------------------|---------------------------|-----------------------|---------------------------|----------------------------------|
| | | (rounded) | tweets | of | |
| | | | | retweets | |
| | Internal, LPI | | | | |
| @RogerCremades | (HZG) | 760 | 18 | 44 | 51 |
| @JPIClimate | Funder | 2050 | 9 | 10 | 11 |
| | External, H2020 | | | | |
| @Climatefit | project | 580 | 2 | 6 | 9 |
| | External, news | | | | |
| @AdaptClimate | portal | 1070 | 3 | 3 | 5 |
| @MihaMiclaus | External | 10 | 1 | 3 | 2 |
| | External, news | | | | |
| @EUSciComm | portal | 30700 | 1 | 2 | 4 |
| | Internal, partner | | | | |
| @MirabelaMarin | (INCDS) | 10 | 4 | 1 | 3 |
| | External, H2020 | | | | |
| @MAGIC_NEXUS | project | 800 | 1 | 1 | 2 |

Additionally, to give a measure of the scope of the activity by some individual tweets, amongst those 5 tweets with more interactions, on Oct 29, 2019 (12:37 PM) there is a tweet with 6 re-tweets and

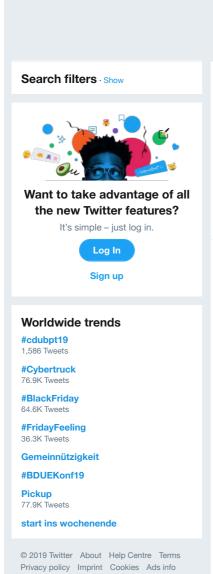




11 likes, that had 3,874 impressions and 84 engagements (including media engagements and profile clicks). Other included tweets with similar number of interactions, like on Mar 1, 2018 (9:49 AM) by NEXUS platform with 8 re-tweets and 5 likes, correspond to external social media accounts and such engagement details cannot be checked, however they might be much larger due to their large number (over 3,000) of accounts following. In the next pages, the twitter activity of the project is detailed in Figure 4.









dr roger cremades @RogerCremades \cdot 53m

Interview on the framework created in the #CLISWELN project, integrating the water-energy-land nexus with climate services for co-producing local and regional integrated assessments. @JPIClimate #ERA4CS

NEXUS Platform @NEXUSPlatform

Nexus Interview with @RogerCremades about the new publication "Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments" bit.ly/2O5Q8oQ #WEFNexus #climate



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Mirabela Marin @MirabelaMarin · Nov 19

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Annual Scientific Conference of National Institute of Hydrology and Water Management Bucharest. #CLISWELN, #TarlungRiverBasin, #romaniancasestudy





Mirabela Marin @MirabelaMarin · Nov 18

Presenting the research infrastructure installed in the #CLISWELN project to the local decision-making from the Romanian case study during the latest workshop and highlighting the importance of local data for modelling activities #climatechange, #TarlungRiverBasin





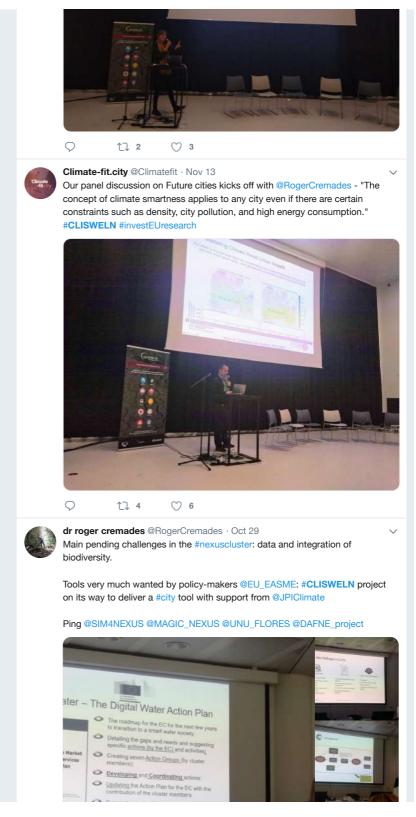




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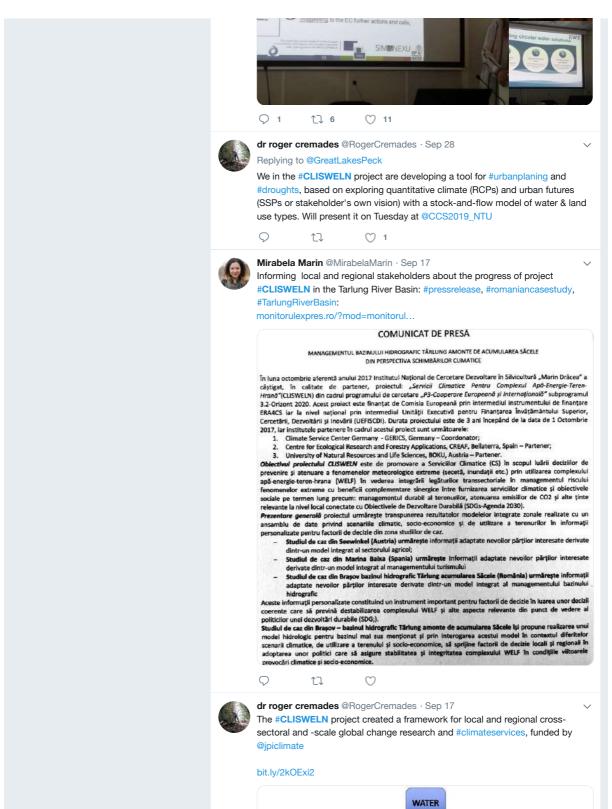




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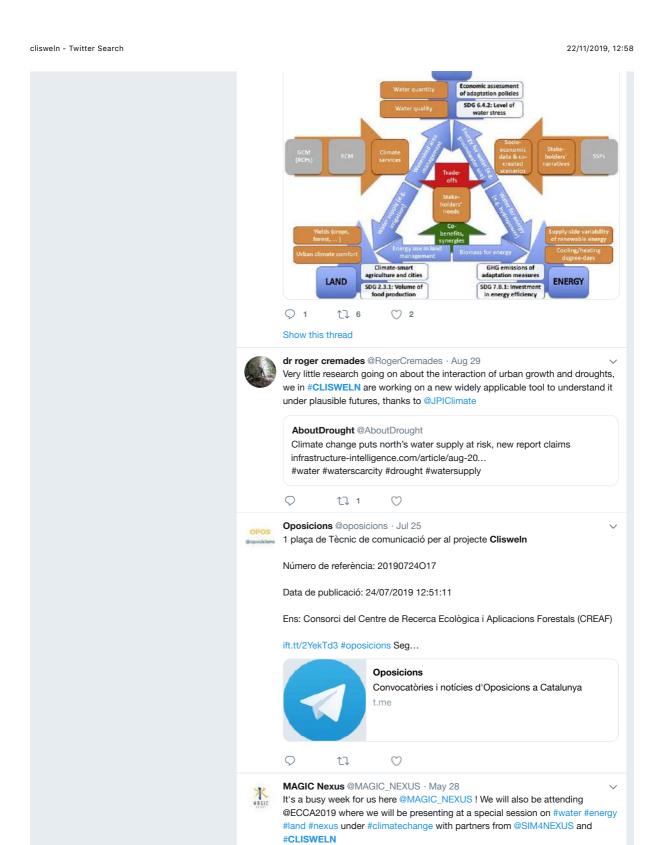


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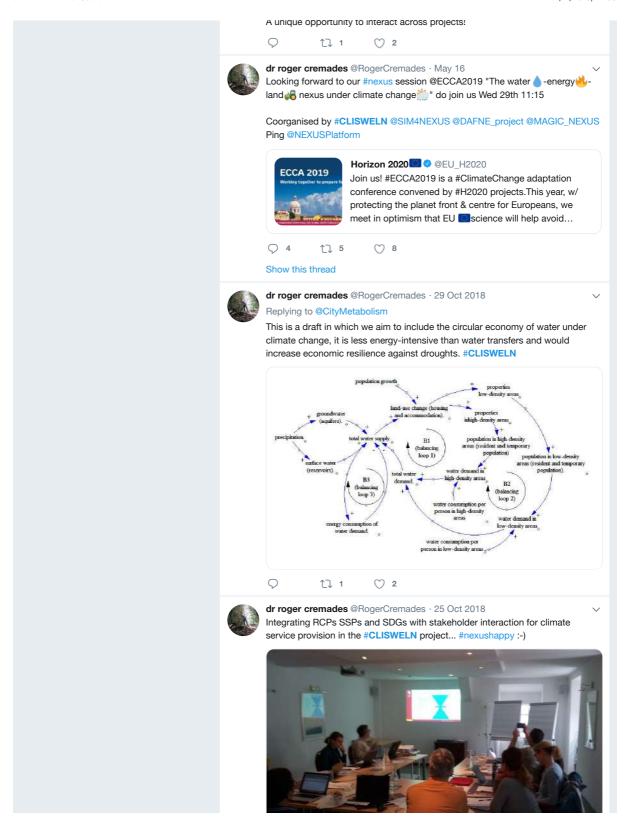












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| | on 20 June - 09:15 to 11:00h in Room 1.41. |
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| J | jpi-climate.eu/ERA4CSnews.eve |
| | Q 1 0 1 |
| | climate.adaptation @AdaptClimate · 13 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| | Q 1 0 1 |
| | JPI Climate & SINCERE @JPIClimate · 13 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
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| | JPI Climate & SINCERE @JPIClimate · 11 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| | Q 1 1 0 2 |
| | dr roger cremades @RogerCremades · 8 Jun 2018 Our #project #CLISWELN organises session "#Climate-#Water-#Energy-#Land- #Food #NEXUS: Security into Practice" in @AdaptFutures to exemplify cases of transferring state-of-the-art #NEXUS understanding into the implementation of good practice |
| | adaptationfutures2018.capetown |
| | provides CESWELN COMPANY CONTROL OF THE PROPERTY OF THE PROPE |
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| | climate.adaptation @AdaptClimate · 8 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. |

https://twitter.com/search?f=tweets&vertical=default&q=clisweln&src=typd





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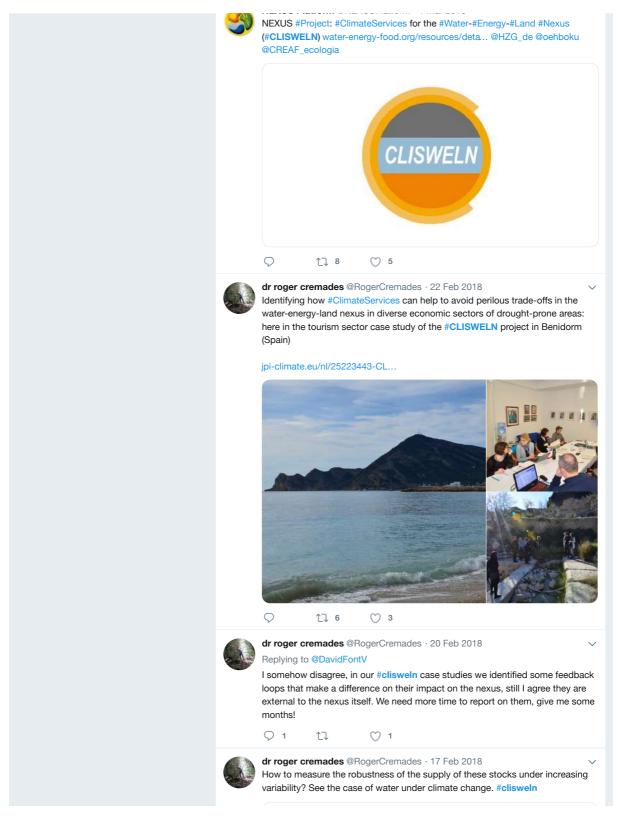
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| Q 11 2 O 3 |
| JPI Climate & SINCERE @JPIClimate · 7 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| Q 1 1 0 1 |
| JPI Climate & SINCERE @JPIClimate · 4 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| |
| JPI Climate & SINCERE @JPIClimate · 1 Jun 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| |
| climate.adaptation @AdaptClimate · 29 May 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science by organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| |
| JPI Climate & SINCERE @JPIClimate · 28 May 2018 @GERICS_Germany representing the #ERA4CS project #CLISWELN will participate in @AdaptFutures with @LSEnews & @NCAR_Science organising session "#Climate-#Water-#Energy-Land-#Food Nexus: Security into Practice", on 20 June - 09:15 to 11:00h in Room 1.41. jpi-climate.eu/ERA4CSnews.eve |
| |
| Miha Miclaus @MihaMiclaus · 19 Mar 2018 @forclimit @forclimitBrasov, 9 March: joint workshop on forest sector contribution to GHG mitigation by FORCLIMIT and climate change adaptation by CLISWELN - a ERA C4S project #ClimateSmartForestry #unitbv #LULUCF |
| |
| dr roger cremades @RogerCremades · 7 Mar 2018 Surprised by the absence of debates about droughts in the @Cities_IPCC conference. The #CLISWELN project is forerunning on #droughts and on how they define the boundary conditions for urban and regional sustainability. #CitiesIPCC |
| Q 1] 1 () 2 |
| NEXUS Platform @NEXUSPlatform · 1 Mar 2018 |







clisweln - Twitter Search 22/11/2019, 12:58

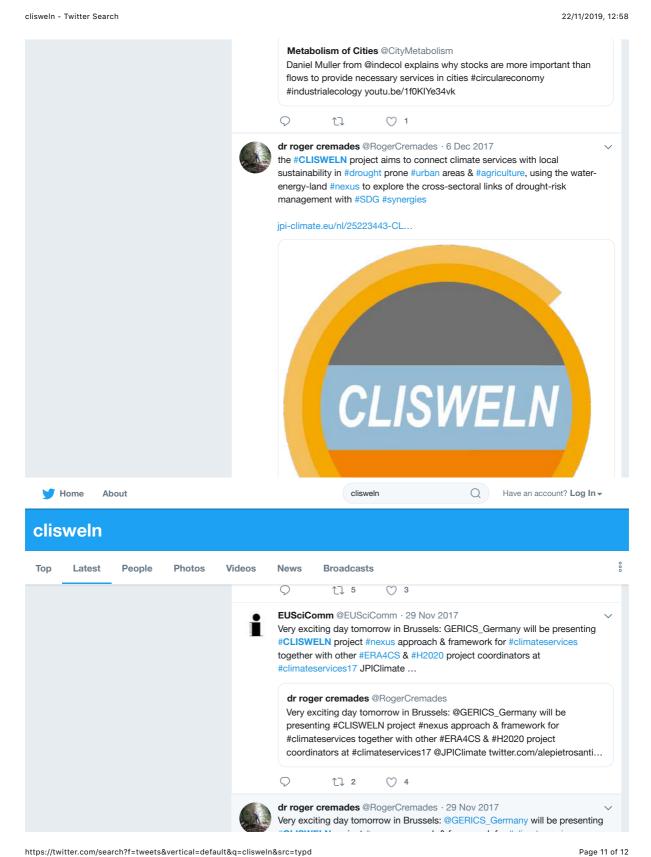


https://twitter.com/search?f=tweets&vertical=default&q=clisweln&src=typd



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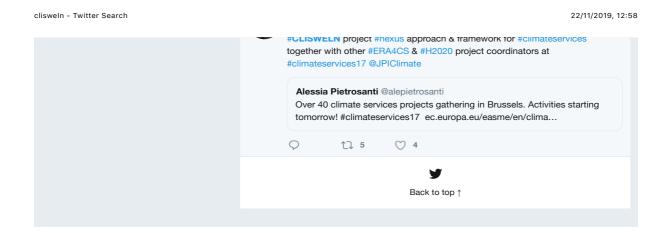












https://twitter.com/search?f=tweets&vertical=default&q=clisweln&src=typd

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Figure 4: Screenshot of tweets which mention the hashtag "#CLISWELN"





4. Romanian case study "Tarlung river basin and city of Brasov" and activities from INCDS

28.05.2019 - Social media activity - Social media 'tweet'

International social media 'tweet' marked with #ECCA2019, #Cliswelnproject, #climatechange, #NEXUS in order to inform interested tweeters and all targets groups about participation on EUROPEAN CLIMATE CHANGE ADAPTATION CONFERENCE – 2019 which took place in Lisbon (Portugal) with the Romanian case study of the CLISWELN project. The post also aims to raise awareness about CLISWELN project in general and to present Romanian case study research project progress. This activity was addressed to all target groups.



Figure 5: Screenshot of the reporting on the social media activity 05/28/2019





29.05.2019 - Scientific conference - ECCA - European Climate Change Adaptation 2019 -

'Forest management to decrease energy consumption for urban water supply in a mixed groundwater and surface water system'

Participation on European Climate Change Adaptation Conference with the oral presentation "Forest management to decrease energy consumption for urban water supply in a mixed groundwater and surface water system" in order to present a general description of the case study, the methodology used, SWAT modelling and partial results regarding discharges and sediment yield variation under 4 local climate change scenarios and 2 forest management scenarios considered for 2020-2100 time interval for Tarlung river basin. The aim of the presentation was to highlight the climate change impact on hydrological processes from the studied watershed. At this session around 30 scientists from various domains participated. The target group of this activity were scientists.



Figure 6: Picture of ECCA2019 presentation





29.05.2019- Scientific conference - ECCA - European Climate Change Adaptation 2019 -

'Identifying gaps on knowledge and methods in the intersection between climate services and nexus studies'

Participation on European Climate Change Adaptation Conference with the oral presentation "Identifying gaps on knowledge and methods in the intersection between climate services and nexus studies". The aim of the presentation was to highlight the importance of developing climate services in order to support an integrated manner of addressing WELF nexus components. The current climate services and challenges derived from providing climate-smart nexus components were assessed. At this session around 30 scientists from various domains participated. The target group of this activity were scientists.



Figure 7: Picture of ECCA2019 presentation





29.05.2019 - Social media activity - Social media 'Facebook post'

Local, regional, national and international 'Facebook post' marked with #ECCA, #CLISWELNproject, #ForestManagementToDecreaseEnergyConsumption, #ClimateServices in order to inform interested social media about the project team participation on the European Climate Change Adaptation Conference at which we present the Romanian case study progress, certain partial results obtained for Tarlung river basin in order to raise awareness about local climate change implication and hydrological impact of forest management scenarios developed for Romanian case study. This activity was addressed to all target groups.



Figure 8: Screenshot of the reporting on the social media activity 05/29/2019





29.05.2019 - Social media activity - Social media 'tweet'

International social media 'tweet' marked with #ECCA2019, #JPICLimate, @JPIClimate, #forest, #CLISWELNproject, #climateaction, #climatepledge in order to inform interested tweeters about the participation on the European Climate Change Adaptation in which we want to highlight the importance of forest management to decrease energy consumption in Tarlung river basin the Romanian case study of the CLISWELN project. This activity was addressed to all target groups.



Figure 9: Screenshot of the reporting on the social media activity 05/29/2019





30.05.2019 - Social media activity - Social media 'Facebook post'

'Facebook post' marked with #CLISWELN, #ECCA2019, #WaterEnergyFoodLandnexus, #climatechange, #JPIclimate, #climatepledge in order to inform facebook users and social media about the participation on the European Climate Change Adaptation, the importance of forest management to decrease energy consumption in the Tarlung river basin and raise awareness about CLISWELN project in general and present research results obtained in the Romanian case study. This activity was addressed to all target groups from local, regional, national and international level.



Figure 10: Screenshot of the reporting on the social media activity 05/30/2019





19.06.2019 - Bilateral meeting - 'Identification of short-term management solutions, with

immediate effect, in order to reduce sediment transport in the Sacele reservoir'

The bilateral meeting was organized by the project team of the National Institute of Research and Development in Forestry 'Marin Dracea' and intended to raise awareness and decision-makers interest for the research project. At this bilateral meeting participated around 15 decision-makers. The project team presented a general description of the study area, the methodology used in this research project, some partial results regarding discharges and sediment yield variation in Tarlung river basin obtained after SWAT model exploitation under 4 local climate change scenarios and 2 forest management scenarios ('Current situation' and 'Economic efficiency under current situation') developed for 2020-2100 time interval. We want also to highlight the importance of integrating the WELF in climate services and to adopt tailored strategies to mitigate climate change effects and achieve an integrated management of Tarlung river basin. In the discussion session we obtained a very positive feedback and the decision makers expressed interest to develop a partnership together with researchers. The target groups of this activity were local decision-makers.



Figure 11: Screenshot of the address send to local decision-makers





17.09.2019 – Factsheet#1 – 'Management of the Tărlung river basin upstream of the Săcele

accumulation from a climate change perspective'

The project team develop Factsheet#1 in order to provide a general description of the CLISWELN project and of the research objectives of the Romanian case study developed for the Tarlung river basin and Sacele reservoir in order to highlight the importance of developing a tool for provide tailored data to local and regional stakeholders based on hydrological modelling of the Tarlung river basin and achieving in this way an integrated management of the watershed under climate and land change context. The press release was published in a local newspaper 'Monitorul Expres', printed edition which available also online at the address: http://www.monitorulexpres.ro/?mod=monitorulexpres&p=ultora local&s id=193896. The target groups of this activity were local and regional stakeholders and general public.



Figure 12: Screenshot of the press release





18.09.2019 - Social media activity - Social media 'tweet'

International 'tweet' market with the hashtags #CLISWELN, #pressrelease, #romaniancasestudy, #TarlungRiverBasin in order to inform interested twitter about press release developed for informing local and regional stakeholders and wider audience about general description of the CLISWELN project and the objectives of the Romanian case study for Tarlung river basin. This activity was addressed to all target groups.

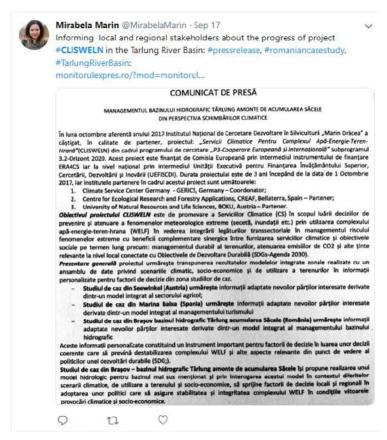


Figure 13: Screenshot on the social media activity 09/18/2019



