



CLIM'ABILITY DESIGN: NEWSLETTER NO. 6

SEPTEMBER 2021

All the latest news from
the Clim'Ability Design project!

Three times each year, we'll be publishing this trilingual newsletter on the European Clim'Ability Design project. We'll be telling you the latest news from the project, sharing technical information on the impact of climate change on the Upper Rhine region, and presenting operational solutions to help you adapt and future-proof your business.

Two years of the Clim'Ability Design project: the importance of adapting to crisis

Florence Rudolf, Scientific coordinator of the project



The Clim'Ability Design Team during the
Cycl'Eau Grand Est Exhibition (July 1, 2021)

Clim'Ability Design enters its final year of research and action with the Upper Rhine region companies in an unprecedented context of crisis. Between the waves and bumps linked to the endless Covid-19 pandemic on the one hand and an extremely contrasted summer season with the unprecedented coolness in the North and record temperatures and forest fires in the South on the other hand, we feel more than ever challenged and compelled **to take action in favour of the environment and social peace.**

After a year and a half of intense online work, the Clim'Ability Design project has been able to progressively reconnect with partners and companies face-to-face as of the spring 2021. The project has used this return to normal to **set up the MoBiMets**

for the continuous recording of various **climate data on economic areas** in the three countries of the Upper Rhine Valley. This initiative will continue during the year by integrating new companies (attention all interested!).

The new year will begin with a highlight event at the time of the equinox, on September 22nd, 2021, from the top of various peaks in the Upper Rhine (Grand Ballon, Ballon d'Alsace, Schwarzwälder Belchen and Schweizer Belchen), in order to echo our commitments to the preservation of the biosphere and the celebration of the humanism specific to this land of welcome and encounter that is the Upper Rhine in the heart of Europe. It will continue with the presence of the **Landing Game, a new collective intelligence game of the project, at the Strasbourg Biennial of Creativity in Strasbourg on 23 and 24 September 2021 and at the ZKM on 5 November 2021, as part of the Architecture Days.**

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In search of good practices

Climate adaptive measures can be simple and economical: whether about providing potable water and ventilators during heat waves, adapting work schedules or move servers upstairs to prevent flood damages, many such measures are already known and implemented by many companies. However, as the recent catastrophic floods have again shown in West Germany and in Belgium, **there are more and more extreme weather events** that go well beyond what we have been used to and **make larger scale adaptive measures all the more necessary**. At Clim'Ability Design, we want to promote and make known **smart and innovative methods**! We are therefore looking for companies that are ready to **share their experiences**.



Have you **implemented one or several climate adaptation measures** in your companies, that can be considered as good practices? Have you started a **transformation in your company** towards more **protection of the environment and efficiency in the use of resources**? Then contact us! We would like to know how you achieved it and present your company with a **story of its best practices**. The most innovative results will be publicized throughout the Clim'Ability Design network, the CCI Alsace Eurométropole and the Südlicher Oberrhein Chamber of Commerce, so that other companies in the region can benefit from your knowledge and experience.

Should you be interested, please contact:

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In addition, we cordially invite you to participate in our online survey on climate adaptation of companies (time needed: 5-10 minutes): <https://ee.kobotoolbox.org/single/UjyaSFk0>. Your information will be stored anonymously in our adaptation information data base. Many thanks in advance!

Landing Game, a discussion game by Clim'Ability Design – Betting on local collective intelligence in the face of climate change

« 4th July 2027 – 9h00

Marlene Schmitt ponders about as much as she sweats on the train to Offenburg. Not a single drop of rain has fallen for the last weeks. The outside temperature is already over 30°C and it must be over 35°C inside this train. These scorching summers keep succeeding one another, and she can't get used to it. »

On a train journey in the summer 2027, the landscapes of the Upper Rhine alternate before your eyes and you discover that the **impacts of climate change are more than tangible in this near future**. Immersed in this fiction with other participants, there you are in a Landing Game session, the Clim'Ability Design discussion game. During two hours, your individual expertise and your field experiences will be at the heart of the exchanges. With the help of the game materials, you will have to define priorities, use resources but also face unforeseen events in order to elaborate strategies with a common approach.



Betting on local collective intelligence, the Landing Game ambitions to facilitate exchanges between different actors having in common their presence in the Upper Rhine. Thus, **companies, researchers, local authorities, associations and citizens** are invited to mobilize this dialogue tool to try, together, to clarify, elaborate and consolidate adaptative paths to climate change, in connection with the local territories.

Are you interested in hosting a game event within your organization?

Practical information

- **Duration:** 2,5 hours (count on a 3 hours session)
- **Audience:** Businesses, research communities, local authorities, associations, students, citizens, etc. (6 players/session)
- **Moderator:** Jardin des sciences, University of Strasbourg

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Adaptation to climate change and mitigation of its effects on industrial and areas under redevelopment in the two Basel cantons

The authorities in charge of the Klybeq and Birsfelden areas (cantons, landowners and businesses) met on 30 June 2021 for a half-a-day workshop. Based on analysis reports of the microclimate situation of the areas and on proposals for adaptive measures, the aim was to define the main axes of land planning in order to **adapt to climate change and mitigate its effects**.

A key point for these two areas, which was also an important outcome of the workshop, was that the actors wish to be supported in the urban planning process. On the one hand, the various **urban planning and legal aspects**, brought about by sometimes different contexts, have an impact on the deadlines and realization of these areas and make it difficult to coordinate and sequence the various individual initiatives in order to integrate them in the global project. On the other hand, the different actors of the project clearly do not have an **institutionalized platform to exchange on the subject of adaptation to climate change** and mitigation of its effects. Yet **these two elements are central for a successful adaptation to climate change**.



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Furthermore, the urban areas should not be considered separately, but as components of a whole, in relation to neighbouring districts. This includes for example arranging or preserving cooling wind channels, providing housing buildings and cultural events adapted to the climate (attractivity, noise). The **integration of the interaction with the neighbouring areas increases the complexity of urban planning**.

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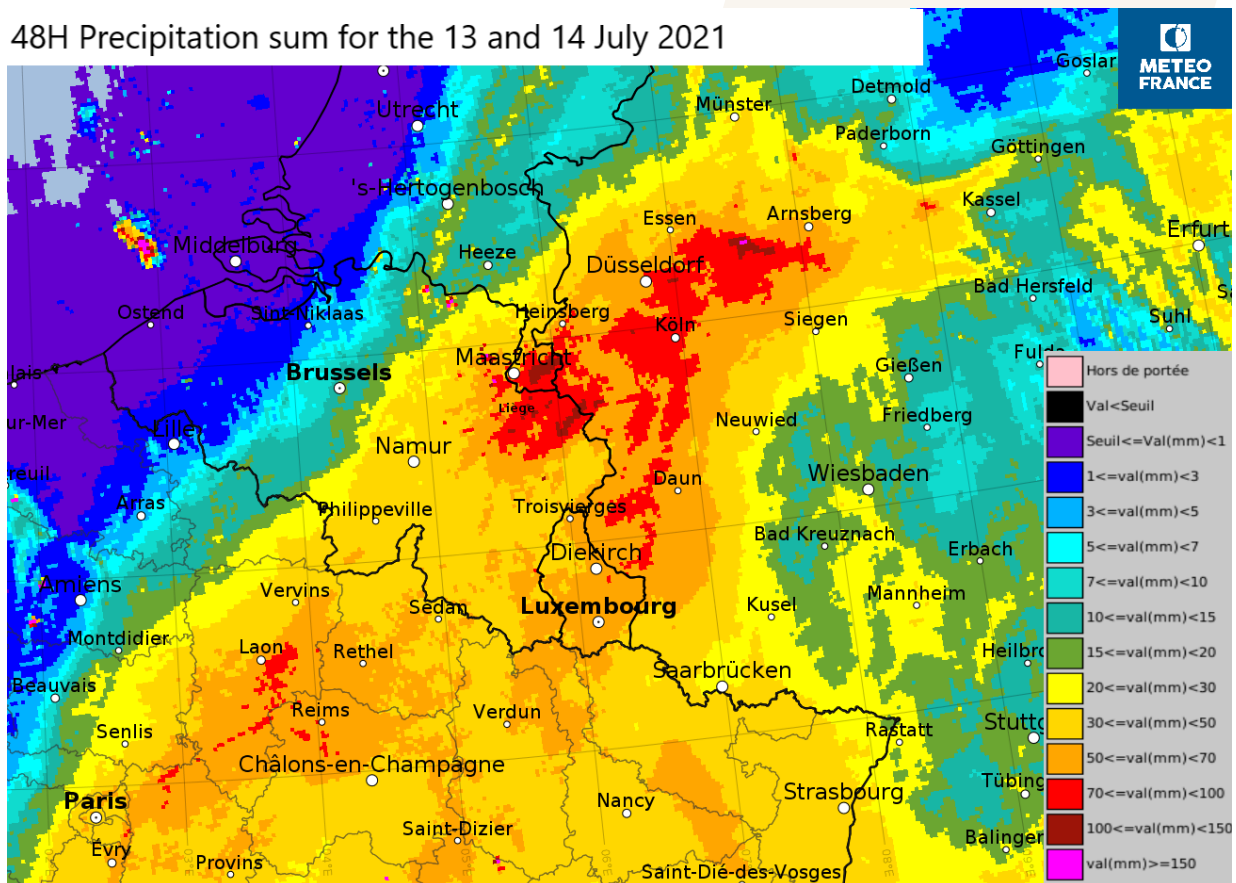
In addition, the measures to implement can be extremely different as the districts also are different. The harbour area of Birsfelden is a highly industrialized area that can be used as an example of climate adaptation in this type of environment with a high level of surface sealing. Since it will be difficult to act on the existing ownership structures, **adaptation measures that take into account the existing infrastructures should be defined**. Measures generally known to be effective, such as the creation of green areas and wind channels, will be difficult to implement.

In the Klybeq district, the situation is almost the opposite: this is a district in a state of becoming, with many opportunities. The challenge in this case will be, besides the need for clear priorities and focus, to bring together the various efforts and motivations of all stakeholders in order to maximise the impacts.

To go further

Extreme rainfall led to severe flooding in Western Europe

48H Precipitation sum for the 13 and 14 July 2021



48h precipitation sum on July 13th and 14th, 2021 (© Météo France)

In the middle of July 2021, a low-pressure system stalled over Western Europe and caused deadly flooding in several countries due to particularly heavy rainfall in just a few days.

More than 150mm was measured in 3 days in some places, with an impressive 154mm in Cologne (Germany) in 12 hours.

Unfortunately, the latest IPCC report released a few weeks ago indicates that this type of event will increase with ongoing climate change.

They talk about Clim'Ability Design

News on the website & on social networks

NEW SURVEY! ADAPTATION MEASURES FOR MEDIUM-SIZED FIRMS AND INDUSTRIES

"This survey is part of the international research project Clim'Ability Design..."

NATURALLY NATURAL?! WHAT DEGREE OF NATURALNESS FOR THE PALATINATE FOREST-NORTHERN VOSGES CROSS-BORDER FORESTS?

"In this article, we examine the place of naturalness in the doctrines..."

The complete articles are accessible at clim-ability.eu/actualites



Kurze Befragung von @Clim_Ability zur Klimaanpassung von #Unternehmen am Oberrhein, jetzt mitmachen!
ee.kobotoolbox.org/UjyaSFk0

Welche konkreten Folgen hat der #Klimawandel für die #Unternehmen? Wie passen sie sich an steigende Temperaturen und Extremereignisse an?
#KMU #Resilienz



Clim'Ability Design on the @CYCL_EAU Grand Est fair !

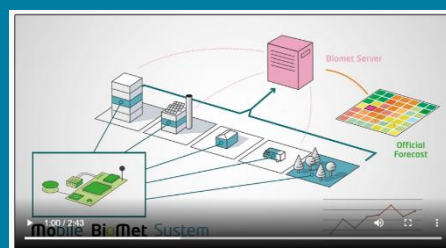
Do not miss our workshop « Water and climate: how the agri-food industry adapts to change in the Upper Rhine » 🍷 July 1st 2021 (2 - 3:30 PM), in live (FR/DE):

clim-ability.us10.list-manage.com/track/click?u=...

Scientific publications & articles

- "Clim'Ability Design: Entwicklung von Anpassungskapazitäten der KMU-KMI an den Klimawandel am Oberrhein", Interkantonale Koordinationsstelle bei der Regio Basiliensis. Verfügbar unter:
<https://www.regbas.ch/de/foerderprogramme/projekte-interreg-oberrhein/clim-ability-design/>
- "Interreg-Projekte: Auf Clim'Ability folgt Clim'Ability Design", Regio Basiliensis. Verfügbar unter:
<https://www.regbas.ch/de/aktuell/news/interreg-projekte-auf-clim-ability-folgt-clim-ability-design/>

Understanding the MoBiMet network in a video



Set up by the University of Freiburg-im-Breisgau in collaboration with the German Meteorological Service, MoBiMet is a real time surveillance system that collects human biometeorological data from a large number of workstations in selected medium-sized firms and industries. These data allow to describe thermal situations and their variability in various work situations in order to determine possible thermal stresses within these companies.

Click here to watch the video

Coming up at Clim'Ability Design

Debriefing of the workshop « Water, climate and agrifood sector » organized by Clim'Ability Design

On July 1, 2021, **the first crossborder workshop of the Clim'Ability Design project** was held in Strasbourg by HYDREOS in the framework of the CYCL'EAU Grand Est Exhibition. The agrifood sector in the Upper Rhine region was at the heart of the discussions that brought several experts and professionals together to discuss the **link between water and adaptation to climate change for the agrifood industry**.

The replays of the workshop (French/German) are available on the YouTube channels of CYCL'EAU and Clim'Ability Design:



Watch the replay (in French)

Watch the replay (in German)

Two other workshops are yet to come, on the subject once again of adaptation to climate change for medium-sized firms and industries in the Upper Rhine: we will keep you informed! In the meantime, please visit our internet site and read our quarterly newsletter.

Let's keep in touch!



Visit our website : clim-ability.eu and our social networks:



Email us at climability.eu@gmail.com



To subscribe to the newsletter : [Click here](#) or send us an email at climability.eu@gmail.com

Dépasser les frontières, projet après projet / Grenzen überschreiten, Projekt für Projekt

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