

# The Impetus4Change Adaptalab 2023

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## What is an Adaptalab?

The Impetus4Change (I4C) Adaptalab is an important part of the process of I4C developing climate services with a real impact. At the first Adaptalab in Paris from 29th November – 1st December, participants from different disciplines and sectors collaborated to develop innovative solutions for a specific problem.

The work process at the Adaptalab was based on (and adapted from) a hackathon. A hackathon is a collaborative workshop which brings together people from different backgrounds and

disciplines to work together towards solving a problem and developing a solution/product.

The main aim for the first I4C Adaptalab was to get researchers and stakeholders to collaborate to develop ideas about new climate services. These ideas would act as a foundation for the mock-ups that I4C will subsequently develop.

Here, we explain some of the details about what happened at Adaptalab, what the results were, who attended and the way ahead.

## What happened at the event?

The focus of Adaptalab is to get participants to collaborate and develop ideas. However, that collaboration needs to be grounded in a context. With this in mind, the first session of the event was focused on providing information about the I4C itself, what a climate service is and what kind of climate issues that Demonstrator cities are dealing with. These presentations are available via the following [link](#):

We particularly thank the stakeholders from Paris and Bergen who presented during the session: Erwan Cordeau from Paris Region Institute, Silje Lund Sørland and Carina Knudsen from Sweco Bergen, and Thea Aske Haugen from Bergen municipality.





Once we had developed a common understanding about what I4C is aiming to do and the climate issues in the Demonstrator cities, then it was time to get into groups and start to collaborate. The main problem the groups worked on was the following:

The members of each working group were pre-defined and interdisciplinary. One person in each group was also invited to act as a coordinator for their group. These folks had previously attended an information session where we went through the task, the Adaptalab program, and the work process.

This work process was also presented at the beginning of the Adaptalab and was as follows:

1. **Getting to know one another.**
2. **Exploring the climate situation in the cities represented in each group.**
3. **Defining the aim of the climate service they would develop.**
4. **Innovating and designing the details around their climate service.**
5. **Communicating their climate service to the rest of Adaptalab (via a self-designed poster).**

Over the course of the three days, the groups designed a variety of innovative and insightful project ideas for new climate services. You can find the results further on in this report. Furthermore, networking was very important as Adaptalab also offered an opportunity for participants to connect with new collaborators within their own cities and across the I4C community. To facilitate networking, we included various activities to foster meaningful interactions between working groups.

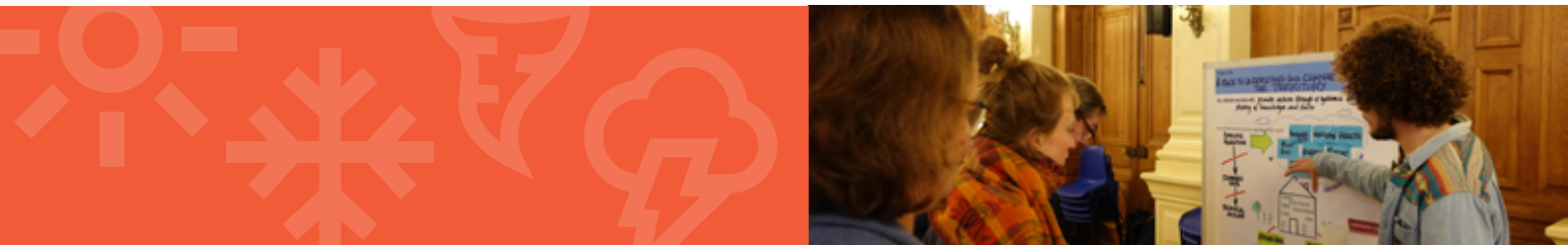
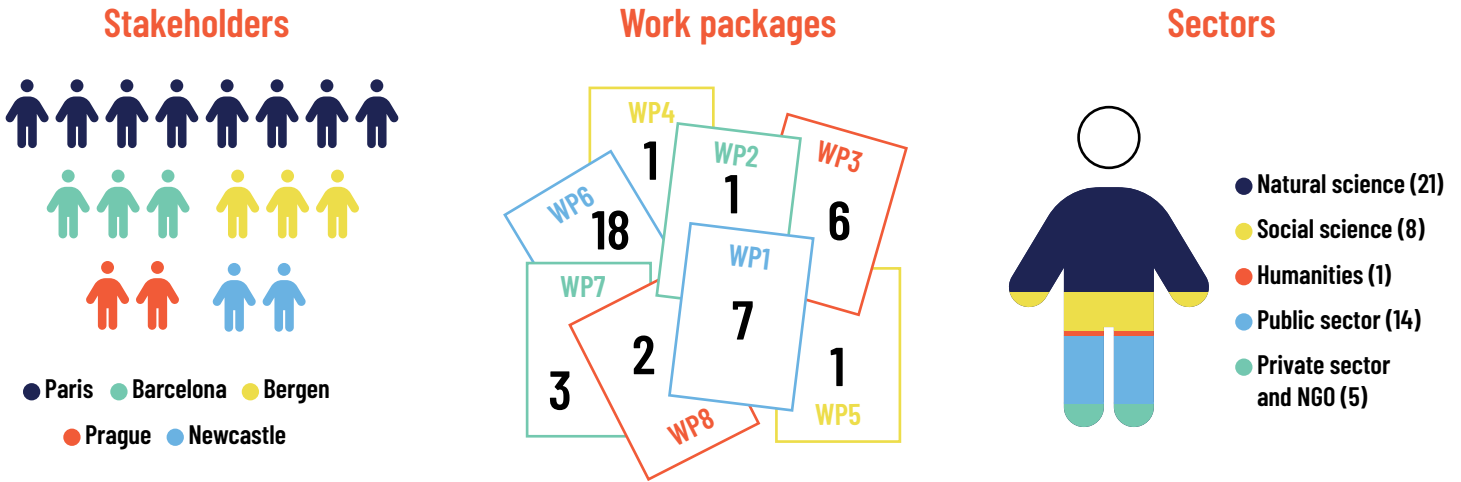
One of the main networking activities happened on the second day. We adapted the speed-dating method to get the participants to meet new people and to develop ideas about how the project could be co-evaluated. There were 3 rounds of discussions based on three different elements of co-evaluation: Process, outcome, and impact. The whole activity got people talking across the working groups and gave insightful ideas about how the co-evaluation process in I4C can be further developed.



# Who was at the Adaptalab?

The participants at the first Adaptalab spanned many sectors and many locations. There were natural and social scientists from the different work packages in the I4C project itself. There were also many stakeholders who took part and made this first Adaptalab a truly interdisciplinary co-production event.

Here is an overview of the sectors and cities that were represented. Here we define stakeholders as folks outside the main research core of the project and those interested in having a say in the services developed and potentially using them.



## The Results

The climate services that they groups developed were presented on posters. The groups could fill out the pre-defined A0 sized templates with the ideas they had developed. Here you will find the posters from the 8 groups. These posters are being analyzed to find similarities and innovative ideas that I4C can integrate into the climate service mock-ups that the project will develop.

### Takeaways from Adaptalab and the way forward

We feel that the structure of the event worked well and the location at L'Academie du Climat offered the right atmosphere to frame our discussions about climate adaptation.

We hope the participants agree that Day 1 served to provide context whereas day 2 and 3 were the key 'action days' where participants worked closely together on their solutions. Even if time was of the essence towards the end, based on the standard of the results, participants had sufficient time to prepare something adequately complex and thought through.

Now, the I4C multi-disciplinary researchers will go through all the results from Adaptalab and design the first iteration of the climate service mock up that I4C will focus on. This process will be published in a separate report and shared with all the Adaptalab participants. It will also be accessible via the I4C website.

Over the course of the 4-year project, there will be a total of 3 Adaptalab events hosted in different cities across Europe. The overall aim of the events is to ensure that local challenges and opportunities are considered when re-imagining climate services and feeding this information back into the work of the Demonstrator cities. This first Adaptalab was focused on co-design, and the subsequent two events will focus on co-development and co-evaluation. These themes were chosen since they relate closely with the co-production process which is essential to the Demonstrator cities. The next Adaptalab are currently estimated to take place in Bergen, Norway in 2025.

Thanks to everyone who contributed to making Adaptalab a success.

# A PLACE TO UNDERSTAND AND CHANGE THE TERRITORY

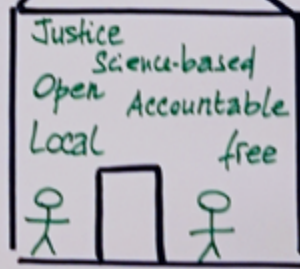
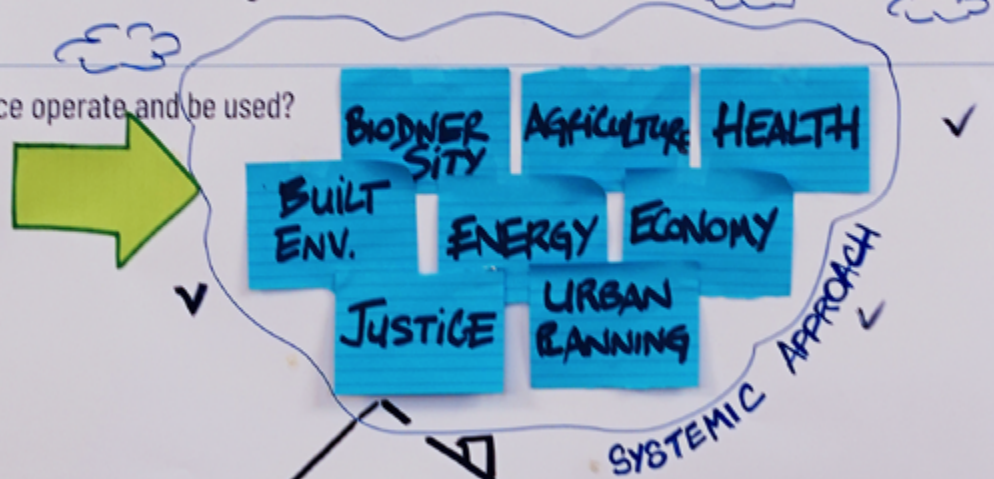
Our climate service will... promote actions through a systemic analysis, sharing of knowledge and data

How will the climate service operate and be used?

SPECIFIC QUESTION

~~DONNEES DATA~~

~~TECHNICAL ANSWER~~



communication dissemination

climate data

- ref climate data
- Xtreme events
- Worst case scen.

support

- advices
- case studies
- user network

possible actions

interdisciplinary

dialogues

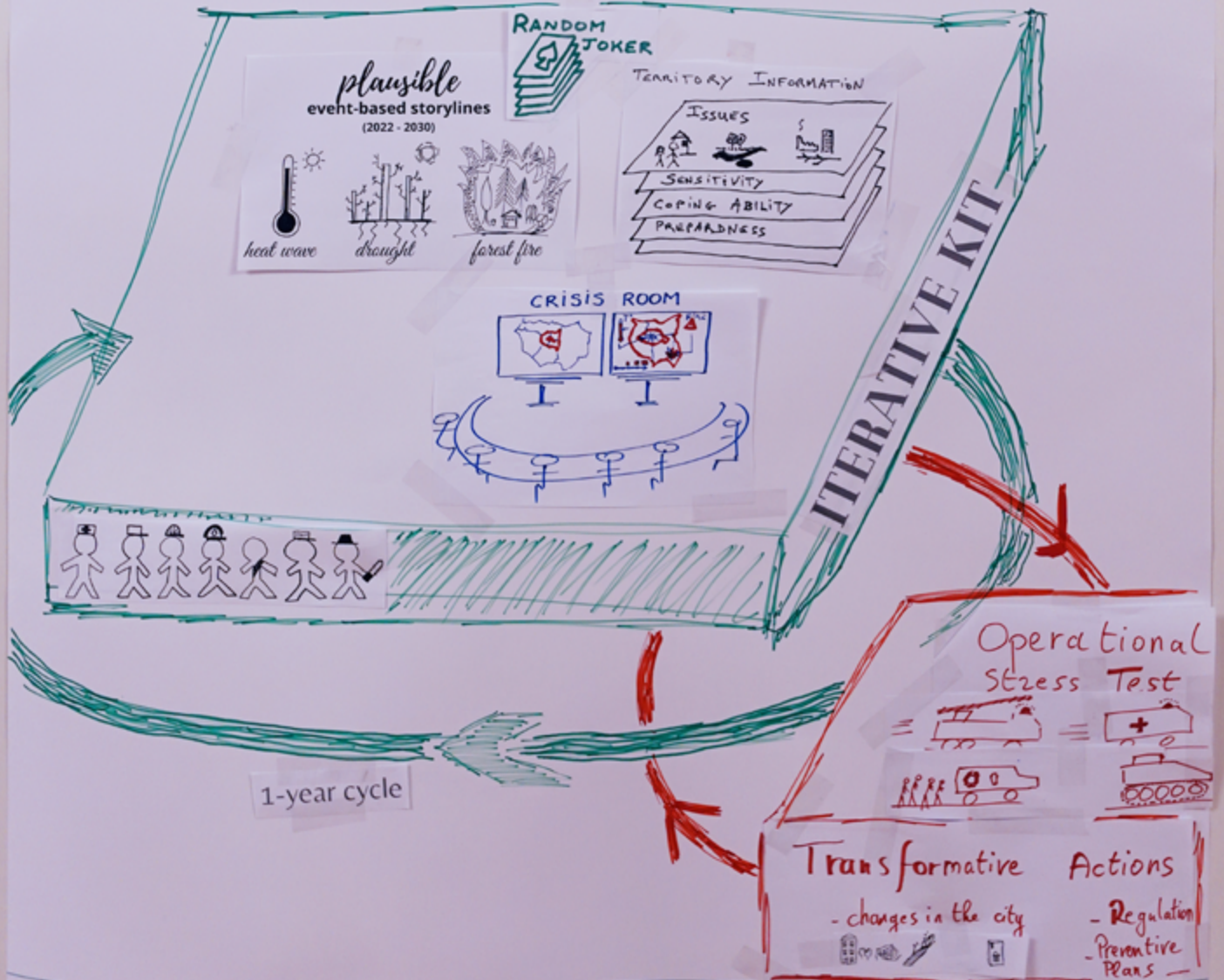
Thematic databases

What are the steps to make this climate service a reality?

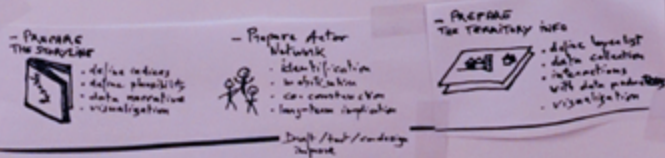
- 1 Find a hosting institution
- 2 Recruit a coordination team
- 3 TRY

Our climate service will... provide an iterative kit on heat-drought systemic crisis to define stress-tests & preventive action

How will the climate service operate and be used?



What are the steps to make this climate service a reality?



4 PM  
250k€

Project title

# CLIMATE MAP



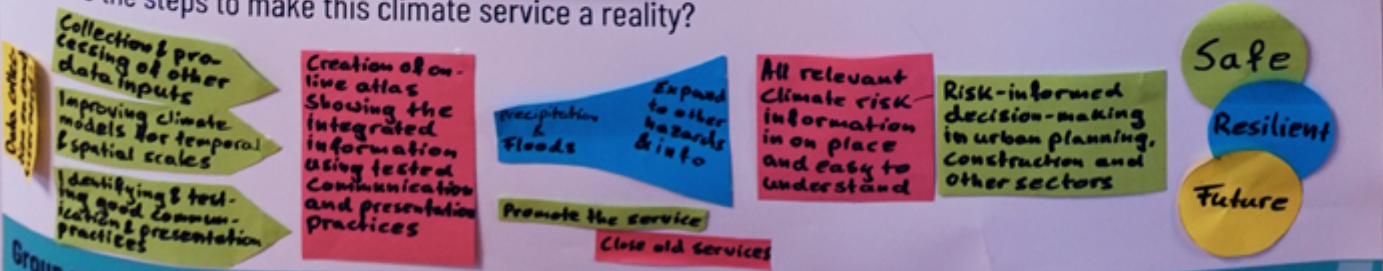
Our climate service will... IMPROVE THE COMMUNICATION OF PHYSICAL CLIMATE RISK ON THE LOCAL SCALE FOR URBAN PLANNING.

ADDITIONAL SECTORS TO BE INCLUDED: HEALTH, ENERGY, NATURAL RESOURCES MANAGEMENT

How will the climate service operate and be used?



What are the steps to make this climate service a reality?



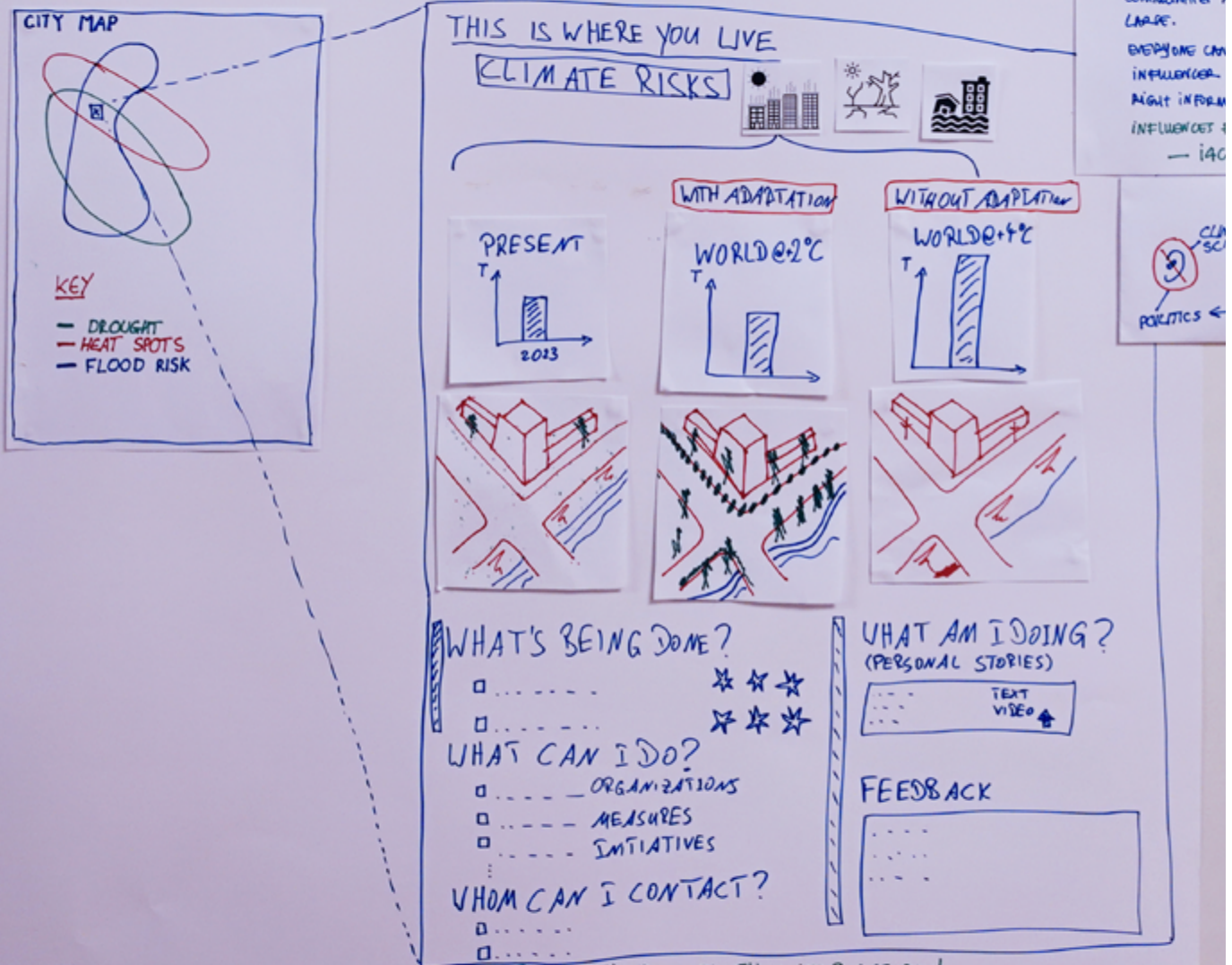
Group members: ASTRID, JONATHAN, SILJE, THEA, AMY, VASSILIS

Our climate service will... EMPOWER INDIVIDUALS AND COMMUNITIES TO BECOME CLIMATE INFLUENCERS USING ACCURATE AND RELIABLE SCIENTIFIC INFORMATION.

BACKGROUND

A NUMBER OF POLITICAL FAILURES HINDER US FROM CHANGING THROUGH THE RISK BETWEEN POLITICAL COMMUNITIES AND LARGE. EVERYONE CAN BE AN INFLUENCER. RIGHT INFORMATION INFLUENCES...  
- i4C

How will the climate service operate and be used?



'EVERYONE CAN BE A CLIMATE INFLUENCER... WITH THE RIGHT INFORMATION'

What are the steps to make this climate service a reality?

- ONLINE PLATFORM AND APP
- VIDEO AND VISUAL CONTENT
- MULTIPLE CHANNELS: LINKEDIN, TIKTOK, INSTAGRAM, FACEBOOK, ...

Project title

S<sup>4</sup> HADE

Scenario for Heatwave Adaptation

Our climate service will... help localize and prioritize heatwave adaptation measures in metropolitan areas.

How will the climate service operate and be used?

### 1 VULNERABILITY TO HEAT



High-resolution climate modelling:

- high-temporal resolution (day/night, month-to-month)
- different climate scenarios



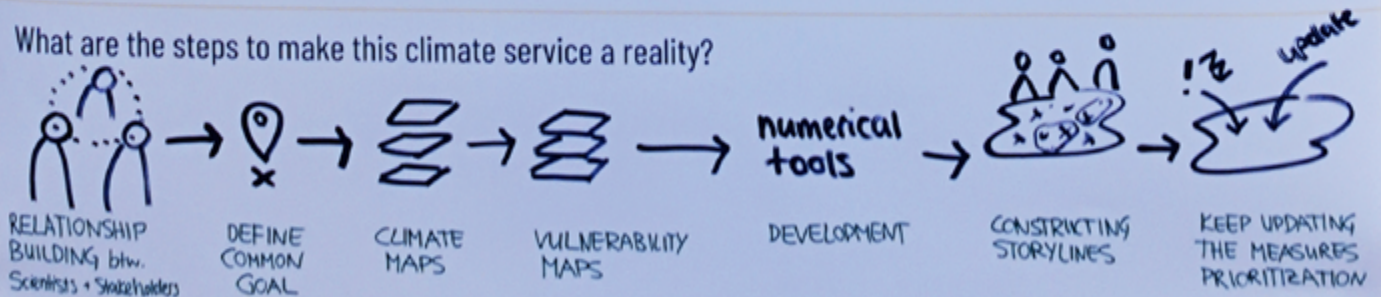
### 2 WHERE TO ADAPT FIRST?



### 3 KEEP IT FRESH

- updating priority measures w. multi-annual climate information
- informing preparedness measures for actions w. seasonal climate information
- broaden stakeholder-engagement

What are the steps to make this climate service a reality?

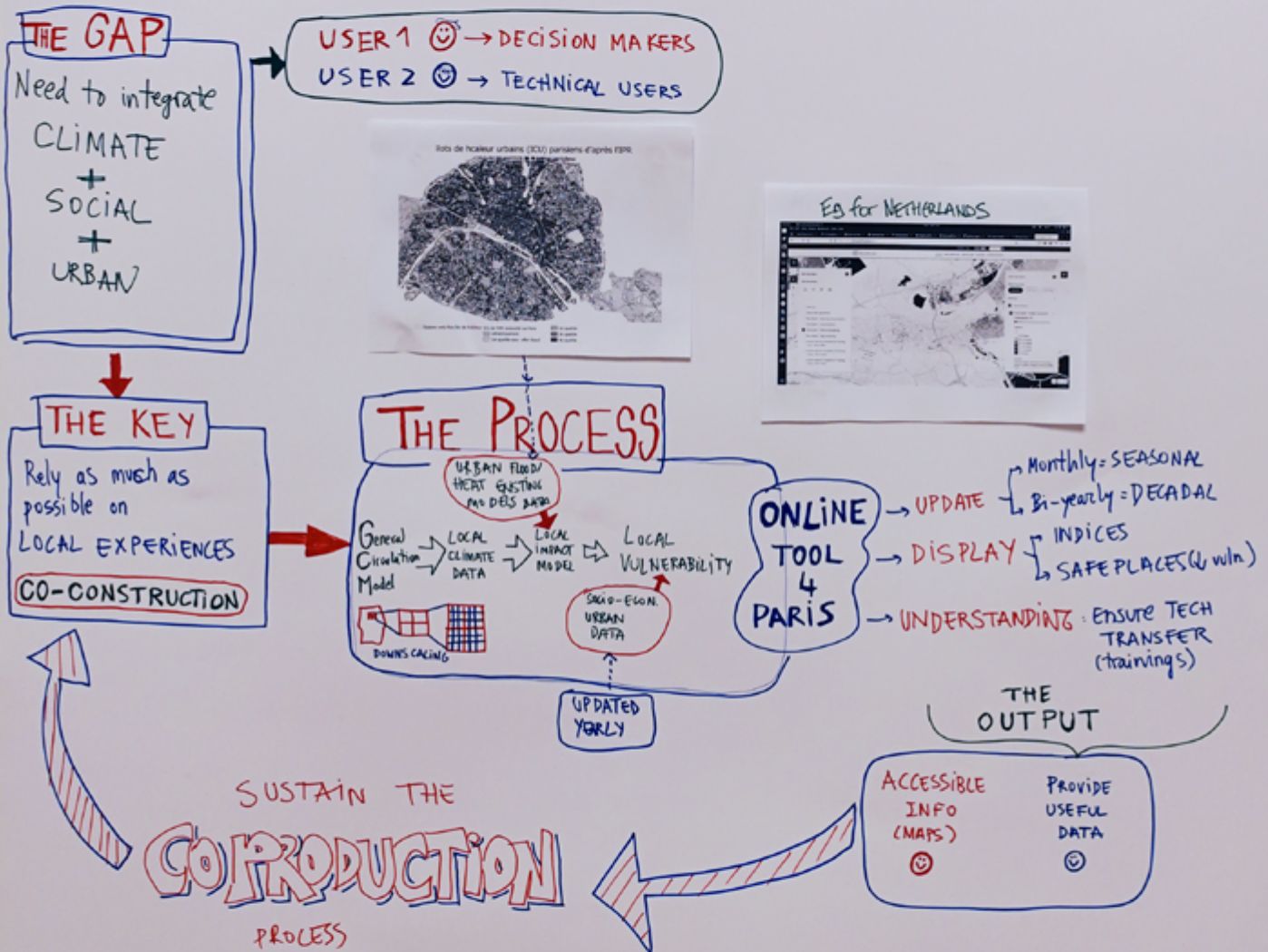


Group members: Dragana, Lea, Jules, Julien and Léa

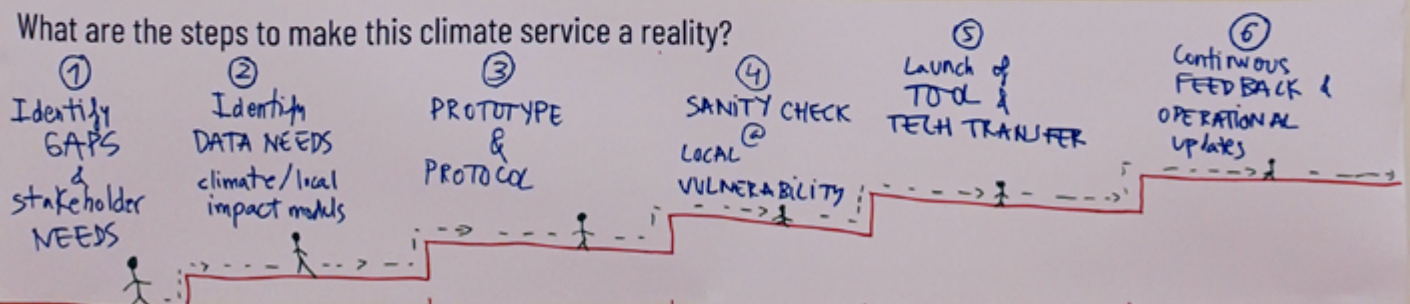


**Our climate service will...** Provide the Ville de Paris Climate Office with a map tool to identify the most at-risk and resilient neighbourhoods to help support decision-making across the municipality for heat and droughts in the short and near term.

How will the climate service operate and be used?



What are the steps to make this climate service a reality?



Group members: PALOMA MARIE ANTHONY EREN SAM

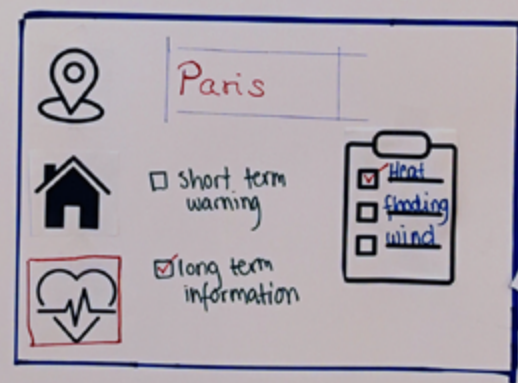
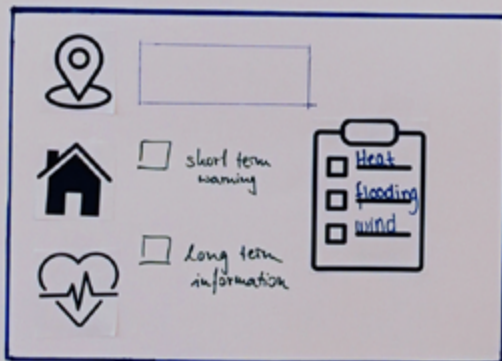
Our climate service will... develop understandable impact warning and information system for climate events

How will the climate service operate and be used?

## BACKGROUND DATA

- seasonal & interannual predictions
- confidence levels
- physical climate risks
- health information
- urban planning
- materials, construction

all information & recommendations in one place.



meteo. statement high risk for unusually high temperatures

recommendation stay in shadows, drink water, reduce physical activity...



What are the steps to make this climate service a reality?

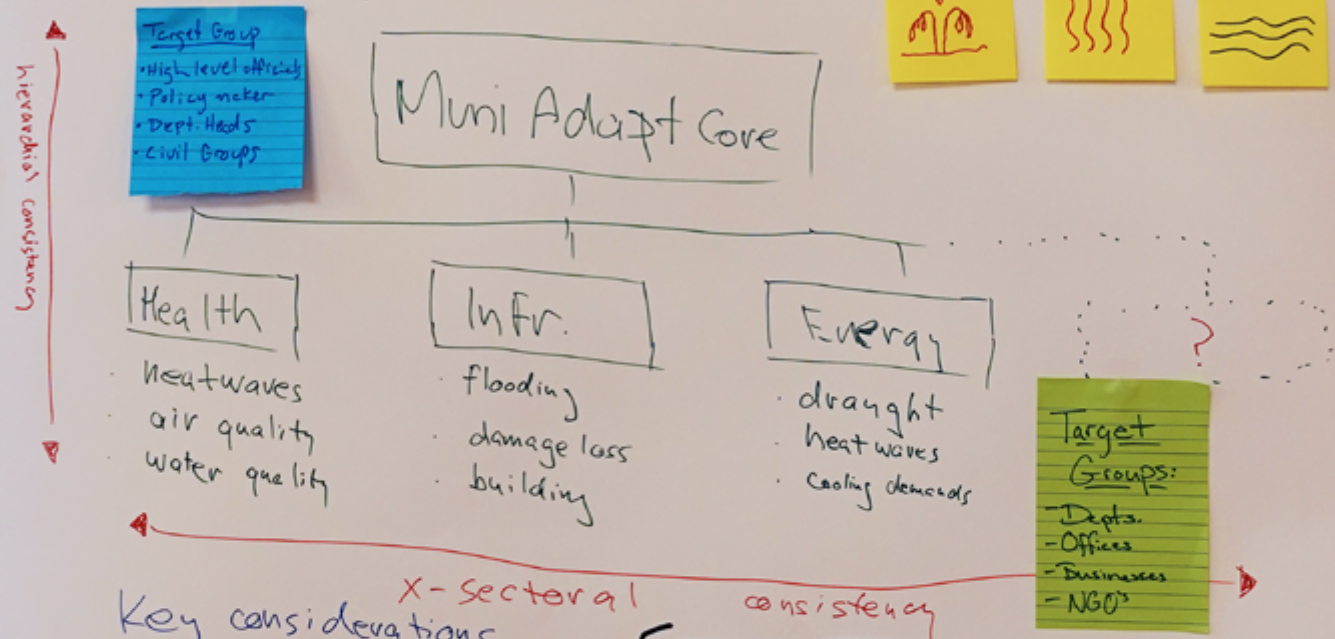
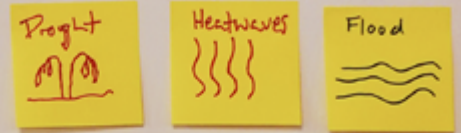
- |                        |                 |                            |                   |                       |                |
|------------------------|-----------------|----------------------------|-------------------|-----------------------|----------------|
| <u>Step 1:</u>         | <u>Step 2:</u>  | <u>Step 3:</u>             | <u>Step 4:</u>    | <u>Step 5:</u>        | <u>Step 6:</u> |
| Stakeholder Engagement | Funding Sources | Workshop with stakeholders | Develop prototype | Test group + feedback | FINAL PRODUCT  |

- Innoventures
- Met and climate service
- Urban planners
- Ministry of Climate
- Ministry of Health

**Project title** Multi-Adapt: Predictions 4 impacts across scales of Governance and Society

**Our climate service will...** provide a flexible, modular architecture anchored by an interdisciplinary development team

How will the climate service operate and be used?



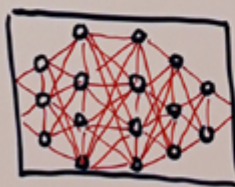
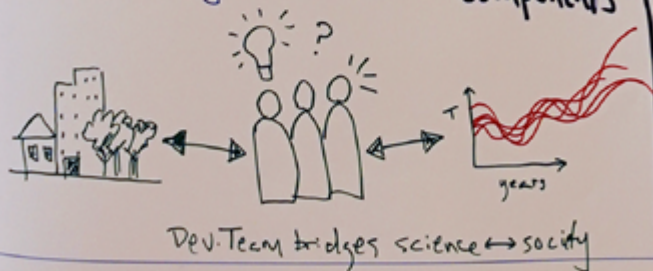
Key considerations

- consistency of information
- medication
- dedicated development team
- continuity in provision
- periodic evaluation
- training

**Additional Components**



- = Cultivate Community engagement/Citizen Sci.
- = Adaptation incubators
- = mental mapping



- = integrate emerging cutting edge devs.

What are the steps to make this climate service a reality?

1. Find Funding
2. Find a home (regional, city, university...)
3. Establish a team (Key muni. actors, soc. sci., phys. sci., soft dev, UI/UX,...)
4. GO!!!

**Group members:** Tomas Helenka, Lu Li, Gavin Lamb, Stefan J., Alex Urban, Marie Kazmukova