# Talanoa Water Dialogue for Transformational Adaptation to Water Scarcity Under Climate Change

## Participative workshop towards 4.1 : Having a common structure & adapting each labs work

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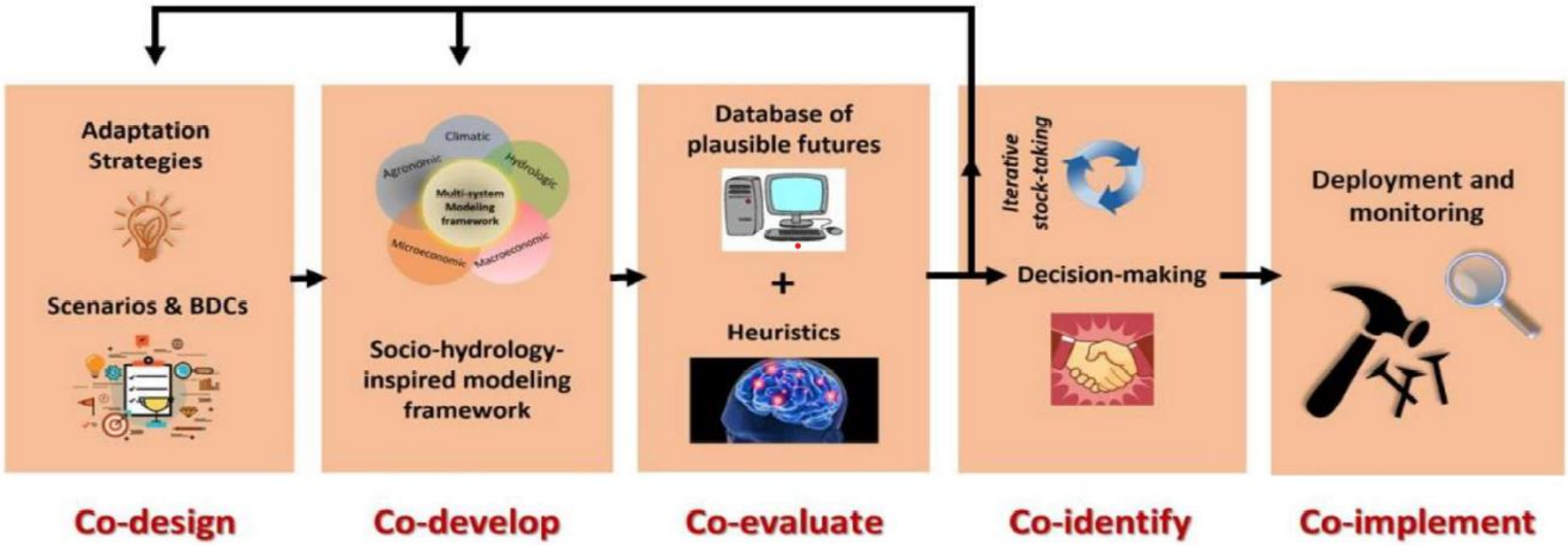
# Agenda

1. Introduction
2. **Icebreaker : roundtable short presentation of each**
3. **Share your ideas on the lab work, participatory engagement**
4. The system of innovation - From a concept to operational ideas for implementation
5. **Towards designing the participative process**
6. How to mobilize the app / agora etc. for the labs work
7. Closing what do we need to advance ?

# General introduction

*Figure 1.3.a: TALANOA-WATER iterative 'stock-taking' co-generation process*



# Introduction : why having this workshop ?

- Launch of WP4
- Delivrable 4.1
  - is due in april 2022
  - is a guideline to the labs work.
- To conceive this guidance we should rely on what we want to do & what we already know (the *how*) … and could go a little further
  - Let's discuss that together, assemble our know how, share our visions
  - can we find a minimum core ? (useful for scientific valorization)

# Objective of the workshop

- Launch WP4 & T4.1

- In order to better fit the guidance document we need to
  - Understand where you stand, what your ideas are, what and where the skills are and on what (idea of the toolbox)
  - Identify your needs in terms of lab work

- Work together / interact …in a participative workshop

… We won’t provide you with guidelines at this stage

# A participatory workshop

- Because we want to co-construct the guidelines in the framework of the project proposal
- To get into facilitation of « participative workshop » because we are supposed to apply these techniques
- … and maybe some of you are less used to it, so it helps you while having concret examples
- We might all have some experiences to share, good practices, facilitation tools…

# WP4 – We are all concerned

| Work package number | 4 | Lead beneficiary | | INRAE | | | |
|---|---|---|---|---|---|---|---|
| Work package title | LABORATORIES (*lead: INRAE/Nina Graveline, co-lead: INAT/I. Nouiri*) | | | | | | |
| Participant number | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Short name of participant | USAL | AUB | CMCC | INRAE | INAT | GECOS | GPAI |
| Person months per participant | 31 | 27 | 17 | 41 | 37 | 8 | 33 |
| Start month | M7 | | | End month | M44 | | |

**Objectives**

(1) Design, realize and demonstrate institutional and technical feasibility and performance of a transition towards sustainable and inclusive growth in 6 pilot water laboratories representative of major ecosystem types and legal, political and regulatory systems across the Mediterranean.

(2) Design, test and inform the adoption of robust transformational adaptation strategies capable of achieving inclusive growth within sustainable water use limits.

(3) Develop and validate a portfolio of multi-sector and multi-stakeholder partnerships and innovative financial mechanisms to catalyze sustainable implementation of transformational adaptation strategies in the water labs.

- Task 4.1 PLATFORM: **Platform for coordinated and harmonized implementation of the ecosystem of innovation in water laboratories** (months 7-44) (lead INRAE, co-lead: INAT; contributors: USAL, AUB,GPAI).

**Here all pieces of the puzzle : participation, science/models (& communication) come together**

- Task T4.1 will **guide, oversee and facilitate** the implementation of TALANOA-WATER ecosystem of innovation (WP1-3) in the pilot water laboratories. We will follow an identical guidance (D4.1) for each pilot water laboratory consisting of sub-tasks (ST). The table below describes the ST; and maps the elements of the ecosystem of innovation (WP1 to 3) onto the relevant ST. All task partners will participate in every ST.

# Steps

Will be detailed in the guidelines

Open questions remain
..some are too early to address
e.g. how many interactions ?

| | ST No. | Title | Description | Relevant element of WP1-3 | M |
|---|---|---|---|---|---|
| | ST4.1.1 | Getting started | Research and assessment objectives will be agreed, along with analytical methods. Guidance will be produced. | WP1 | 7-11 |
| Iterative (stock-taking process) | ST4.1.2 | Scena-rios | Future scenarios will be laid down. EURO-CORDEX and its regional climate model simulations will be used for the RCPs (representative concentration pathways). We will use SSPs (shared socio-economic pathways) for demographic changes and economic development, and land use scenarios for the Mediterranean region, including amended by a sensitivity analysis of their key parameters co-designed along stakeholders. These inputs will be used to force the modeling framework in WP3 and generate a baseline (conventional adaptation/no adaptation). | WP1—co-design WP2 WP3 | 12 - 36 |
| | ST4.1.3 | Sustaina-ble water use limits | *Basin Determined Contributions* (BDCs) capable of restoring the supply-demand balance in overallocated basins under future scenarios will be designed | WP1—co-design WP2 | 12 - 36 |
| | ST4.1.4 | Strate-gies | Design of *transformational adaptation strategies* capable of achieving BDCs targets through the combination of i) nature-based solutions, ii) technological innovation and water/climate services, iii) risk management and financing instruments and iv) economic and behavioral incentives. Investment costs of the strategy assessed. | WP1—co-design | 12 - 36 |
| | ST4.1.5 | Impacts & trade-offs | We will model the impact of transformational adaptation strategies under future scenarios and BDCs. We will assess changes in relevant indicators such as runoff, aquifer recharge, income and its distribution, etc. and compare impacts to costs of the strategy; sample uncertainty; assess tradeoffs; and compare performance to baseline (conventional/no adaptation). | WP1—co-develop, co-evaluate WP2 WP3 | 12 - 36 |
| | ST4.1.6 | Robust decision-Making | Identify, for each lab, a *robust* adaptation strategy that contributes to IWRM objectives. Decision-making will be based on a combination of simulation results (mechanistic outputs) and *ad-hoc* interpretations of stakeholder experience that are applied to speculate upon the consequences of adaptation strategies (heuristics). | WP1—co-identify | 12 - 36 |
| Sequential | ST4.1.7 | Proof of concept | Preferred robust adaptation strategies will be assessed in depth, and analyzed in terms of regulatory and other obstacles, feasibility and support from the involved institutions. Business plan drafted. | WP1—co-implement | 37 - 39 |
| | ST4.1.8 | Brea-king ground | The practical implementation of the preferred strategy will in some cases necessitate sequential and transitory implementation. We will address actions needed to unfold the strategy in practice, including partnerships and novel financial mechanisms (e.g. fiscal incentives) to secure sustainable investment into transformational adaptation; and explore possible implementation drawbacks. | WP1—co-implement | 40 - 41 |
| | ST4.1.9 | Synthesis & recomm | The final step will summarize lessons learned, reflect about the transferability, and which risks to consider when designing similar schemes elsewhere. Draft business plan updated (input for D5.6). | WP1—co-implement | 42 - 44 |

# T.4.1 – In terms of participation : what is written in the project doc

- organize **web meetings** every two months to review progress in the water laboratories and to identify and help managing salient scientific and management risks.
- In person meetings :two international science-policy workshops (months 25 and 43).
- internal mid-term review through the High Level External Advisory Board (HLEAB) (month 24), organized side-to-side wide WP6).
- We will also organize knowledge sharing webinars in collaboration with WP5. (internally ?)

# Let’s turn to the participative agenda

- we suggest using Klaxoon
- The board access is :(3) Workshop LAB Launch work • Klaxoon

- Video tutorials to get the most out of Klaxoon's apps| Klaxoon