



2nd General Assembly in Salamanca

31st May and 1st June 2023

09:00 AM CET

Organized: C. Dionisio Pérez-Blanco, Héctor González-López and Francesco Sapino

Minutes written by Héctor González-López

Meeting Agenda

Day 1, 31/05/2023

09.00 – 9.30	Welcome and introduction
09.00 – 09.20	Registration of participants
09:20 – 09.30	Objectives and organization of the workshop <i>C. Dionisio Pérez Blanco, Universidad de Salamanca (USAL)</i>
09.30 – 18.00	The water labs
<p><i>Scope and format:</i></p> <p>1) Each water lab coordinator will present the advances in his/her lab, existing gaps (modeling, stakeholder engagement, data, other), and potential contingency plans.</p> <p>2) Next, both WP leaders and co-leaders (from WP1 to WP4) will critically discuss gaps and contingency plans in that water lab, keeping in mind the tasks and objectives in their WPs.</p> <p>3) Finally, contingency planning will be collectively developed, with a clear <i>pathway to achieve objectives and address gaps</i>, and the document of contingency planning will be updated with the measures to be implemented in each lab.</p> <p><i>10' presentation by lab coordinator, followed by 10' min discussion per WP leader, and discussion.</i></p>	
09:30 – 10.30	The Spanish lab <i>Carlos Dionisio Pérez Blanco, Universidad de Salamanca (USAL)</i> and WP leaders and co-leaders of WP1-4
10.30 – 11.30	The Lebanese lab <i>Hadi Jaafar, American University of Beirut (AUB)</i> and WP leaders and co-leaders of WP1-4
11.30 – 12.00	<i>Coffee break</i>
12.00 – 13.00	The Tunisian lab <i>Issam Nouiri, Institut National Agronomique de Tunisie (INAT)</i> and WP leaders and co-leaders of WP1-4
13.00 – 14.00	The Italian lab <i>Paolo Mazzoli, Geographic Environmental Consulting srl</i> (GECOsistema), <i>Gabriele Standardi, Centro Euro-Mediterraneo</i>

	sui Cambiamenti Climatici (CMCC), and WP leaders and co-leaders of WP1-4
14.00 – 15.30	<i>Lunch break</i>
15.30 – 17.00	The Egyptian lab <i>Omar Khalid</i> , Green Power for Agriculture and Irrigation (GPAI) and WP leaders and co-leaders of WP1-4
17.00 – 18.00	The French lab <i>Nina Graveline</i> , Institut National de Recherche pour l’Agriculture, l’Alimentation et l’Environnement (INRAE) and WP leaders and co-leaders of WP1-4
18.00 – 18.30	<i>Coffee</i>
20.30	<i>Social dinner</i>

Meeting Attendants – in no specific order (10)

C. Dionisio Perez-Blanco (USAL), Héctor González-López (USAL), Francesco Sapino (USAL), Issam Nouri (INAT), Paolo Mazzoli (GECOs), Gabriele Standardi (CMCC), Alexandre Alix (INRAE), Nina Graveline (INRAE), Kevin Bosirany Orlando (INRAE).

- C. Dionisio Pérez-Blanco starts the meeting welcoming the attendants and making a brief update of the agenda for the two following days.

- C. Dionisio Pérez-Blanco starts the round of Water Lab presentations presenting the Spanish Water Lab. In this presentation the Spanish case study is shown.

Following the workshops overview is presented, as well as all objectives achieved at the present by the TALANO-WATER. In this section, the different stakeholder sorts are shown, and it is explained the main role of them in the collaboration and engagement with the project.

Regarding the WP2 Data, it is updated the current situation of Spanish, where all databases are already collected.

Then the path from socio-hydrology to socio-ecology carried out by the USAL team is shown: i) multiple interconnected systems ii) multiple models to populate each system: ecological, climate, hydrological and economic. Then different scenarios for its implementation in the serious game are explained in order to clarify the up-to-date developed game.

In the next section the WP5 Exploit is presented. Here the research achievements are shown an accounted (e.g., published papers, attended international conferences, etc).

*****Presentation available in the TALANO-WATER website*****

Comments:

- Paolo Mazzoli
 - Paolo Mazzoli suggested that in order to reach a good outcomes connection with the stakeholders, we could keep an active action in the social media tools.
 - Nina Graveline comments about the metadata that it is all well organized and quite completed and suggested that it would be a great idea to capitalize the data and to do so, it would be great to gather all data in the same place, in the same sheet and maybe with the same format.
 - Also comments that USAL team explains all the functions of the metadata with a detailed description, which facilitate a lot the work of the WP2. Also, to put the institution responsible or institution involved would be good to be added in the sheet of the metadata. In addition, it is important to highlight the source of the prices and the rest of economic data. To this Hadi adds that the template already has the information that is needed in order to clarify all obtained data and its source. It is highlighted the case of the yield, prices, costs, that obtained from ECREA which is a repository data but not the specific source of data.
 - To all of this, C. Dionisio Pérez-Blanco highlighted that the main aiming of this General Assembly is to finish the pending deliverable, in specific DEL 2.1 so it is important to work on this the two meeting days in order to get the deliverable done by the end of the meeting.
 - Nina Graveline suggested to share with the entire consortium the strategies to be abided by and asks about if USAL team is working on the coordination of this. TO this C. Dionisio Pérez-Blanco replies that it depends on the models, for instance in AQUATOOL are implemented several policies, but in the economic models are used the micro-macro assessment. The idea is to simulate all the policies planned in the strategies.
 - Nina Graveline comments the idea of incorporating different macroeconomic shocks, apart from climate changes to assess the variation of the markets and how this impact on the hydrological cycle and water management. C. Dionisio Pérez-Blanco adds that making a dynamic structure is something that could be explored in this context and it would very useful.
- Hadi Jaafar presents the current situation and updates of the Lebanese Water Lab. Firstly WP2 objectives are shown, where the focus relied on the collection of the remote sensing open access data and its process, as well of the necessary data needed to calibrate, couple and run the models with the multi-system modeling framework WP3.

As Water Lab advances, an overview of the deliverables, workshops and stakeholder workshops are presented concurrently it is explained all these milestones. An update of the data gathered, incorporated to the project database and processing is shown as a part of the achievements.

The updates regarding the deliverables are presented. Here are presented not only deliverables leaded by AUB, but also all the contributions to the deliverables leaded by the rest of the partners. Then the workshops carried out by the Lebanese Water Lab have been detailed presented. It is highlighted the necessity of get the stakeholders engaged and to be more communicative to transmit the research knowledge to farmers.

Then, regarding to WP2 data collected, have been presented the gaps (for all water labs) and proposed corrective measures.

Finally, the results of water accounting from each water lab have been presented.

*****Presentation available in the TALANOA-WATER website*****

Comments:

- Issam Nouri asks why is quite difficult to implement WAPoR in Djeffara. To this Hadi Jaafar replies that the issues rely in the Anaconda Package and Python programming language. Also is suggested to publish a paper comparing the different outcomes of WAPoR in the different Water Labs.
 - Abdrabbo Shehata comments that GPAI already have developed Water Accounting exercise. To this, Hadi replies that if this is true, he should share sheet 1 to the sourcebook Excel file.
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*****Coffee Break*****

- Issam Nouri present the Tunisian Water Lab updates.

Then a summary of the scenarios planned for the different science policy workshops that have been already held and that ones that are still pending. Gather to these scenarios, the different meetings, both held and those to be held are shown as a roadmap. The main institutions involved in the las workshop were presented.

Following the serious game implemented in the 2nd Stakeholder workshop have been presented. This serious game was an adaptation of the USAL team game to the Djeffara case study. In addition, the obtained key messages as feedback from the stakeholders are shown divided by WPs.

Regarding Modeling framework, WEAP-MODFLOW coupling framework is presented, with the obtained results considering climate change.

Existing gaps and contingency plan. In this section have shown the gaps that need to be improved such as the following ones:

- Climate change scenarios need to be more elaborated.
- Economic data are not updated to the current situation.
- The modeling framework still not adopted by players in the study area.
- Djeffara serious game not connected to the modelling framework.

Finally, the action plan June-December is presented.

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- Brief updating and comments per WPs are shown below:

Comments:

- Paolo Mazzoli asks if Tunisian Lab have made any plan for the gender balance in the Stakeholder engagement. To this Issam replies that is due to the region, there are too many women working in this field.
- Hadi Jaafar just highlighted that the links of data sources need to be updated, some of them don't works.

- Francesco Sapino asks if there is some climatic model in WEAP or it uses climatic scenarios. To this Issam replies that what have been used are the climate inputs as scenarios.
- It is suggested to make a collaboration workshop between Tunisian and USAL water labs in order to Francesco Sapino helps Issam in the integration of the economic side in WEAP.

- Gabriele Standardi presents the updates of CMCC Water Lab. In this presentation the contribution as leader partner have been show: DEL 1.1. Then the gaps of the WP1 have been shown as well.

Regarding WP3, an overview of the objectives and the Tasks have been presented. Then the deliverables belonging to this WP3 have been explained: DEL 3.1 and 3.2.

Following has been presented and explained the micro-macro-economic models coupling.

Finally, an overview of the main activities in WP5 have been shown 1st and 2nd stakeholder workshops.

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*****Lunch break*****

- Paolo Mazzoli presents the GECOs Water Lab updates. Here the advancements and gaps are shown: i) modeling activities (current status – where we are); ii) investigating possible strategies (vision and objectives – where we want to go & strategy and action plan – how to get there) Regarding the gaps and ideas the focus are on the TAP co-design with stakeholders and serious gaming and other side, the dissemination, particularly users' channels.

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Comments:

- C. Dionisio Pérez-Blanco asks Paolo Mazzoli which sort of serious game they want to be implemented in the water lab, one game closer to the view during the Montpellier workshop or something quite different. To this Paolo Mazzoli replies that this is something to be discussed still.
- Hadi Jaafar comments it is possible to use the new climatic projections. To this C. Dionisio Pérez-Blanco that it doesn't matter but if GECOs has already start the modeling processes with the previous climatic data, it is better to keep using them.
- C. Dionisio Pérez-Blanco encourages to partners to add all these deviations from the original planned activities to the Deliverable 5.1. mid-term report.

- Abdrabbo Shehata presents the GPAI water lab updates. The presentation begins with a background of the case study's context (e.g., characteristics, main issues of the area, and proposed adaptation strategies).

*****Presentation available in the TALANOA-WATER website*****

Comments:

- Paolo Mazzoli comments that we should take care of incorporating suggestions from the previous round of the workshops. The second point is the communications outcomes, it should be leveraging communication channels. The idea is to compare the outcomes from the first round of workshops with those reached in the second round of workshops.
- Francesco Sapino request to Abdo all the updates regarding the microeconomic part in order to include them in the deliverable. Also asks if abdo has used climate scenarios or climate models in the developed framework by GPAI. To this last one thing Abdo replies that no scenarios nor climate models have been used.
- Francesco Sapino highlighted the necessity of indicate the used climate change scenarios/models.
- Since Abdo has not used climate change scenarios Nina Graveline asks if GPAI has used another changing scenario like macro-microeconomic shocks. To this C. Dionisio Pérez-Blanco comments that USAL could help in this issue to GPAI team. C. Dionisio also add that it would be great of keep updating the originally planned strategies.
- Issam Nouri comment that the model used by GPAI if dedicated for plot scale not for water allocation, Issam Nouri also offers himself to collaborate with GPAI in developing water management scenarios, due to climate change for instance.

- Nina Graveline presents the Aude case study from French Water Lab as a part of the updating presentation. Following a brief background of the already work up to now, highlighting the different workshops and webinar developed under TALANOA-WATER framework.

Then the foresight scenarios implemented in the las stakeholder workshop are presented (e.g., SSP1, SSP3, SSP4, SSP5). In this 2nd round of workshops also was implemented a serious game based on the workshop held in Montpellier, developing a board in 6 steps:

1. Defining objectives
2. State the measures implemented.
3. Projecting to 2025 and proposing new measures.
4. Reiterate this in 2035 (given crisis narrative)
5. Same for 2050.
6. Quick presentation/ testimony.

Regarding data and modeling, they are updating the data and it is expected to have it ready for the following week. Then a brief overview of the hydro-agro-economic modeling is shown and explained.

Nina Graveline suggests that the deliverable 4.2 that is supposed to be submit on month 36 it would be great to show all what has been done in each case study and then dedicate the last 6 month of the project to harmonize all frameworks and data/information.

Nina Graveline and C. Dionisio Pérez-Blanco agree in collaborate in the 2nd modeling stage proposed in the INRAE water lab.

Finally, the obstacles and prospects for improvement are shown and explained.

*****Presentation available in the TALANOA-WATER website*****

Closure of the day 1

Meeting Agenda

Day 2, 01/06/2023

09.00 – 12.00	Mid-term progress assessment
<i>Scope and format:</i> 20' presentations critically assessing financial and dissemination reporting based on the 2 nd 12-month progress report, followed by a roundtable discussing and revising the contingency planning designed on day 1	
09.00 – 09.30	The mid-term project report – an overview of advances and gaps <i>C. Dionisio Pérez-Blanco, USAL, with interventions from Héctor González-López, USAL (financial reporting) and Gabriele Standardi, CMCC (dissemination)</i>
09.30 – 11.00	Roundtable – revision of gaps, contingency planning, and pathways building on results from day 1 and the mid-term project report
11.00 – 11.30	<i>Coffee break</i>
11.30 – 13.30	Stakeholder engagement
<i>Scope and format:</i> 10' presentations followed by a discussion	
12.00 – 12.15	Report from the Champions Team: advances, gaps, future developments <i>Paolo Mazzoli, GECOSistema</i>
12.15 – 12.30	The international stakeholder workshop – objectives, rapporteurs <i>C. Dionisio Pérez-Blanco, USAL</i>
12.30 – 12.45	The international stakeholder workshop – practical arrangements <i>Issam Nouiri, INAT</i>
12.45 – 14.30	Engagement – building on Montpellier training to build the second generation of TALANOA serious games. <i>Francesco Sapino, USAL</i>
14.30 – 15.30	<i>Lunch</i>
15.30 – 16.00	Closing and farewell
15.30 – 15.50	Closing reflection and next steps <i>C. Dionisio Pérez Blanco, USAL, and Roundtable with interventions from all</i>
15.50 – 16.00	Closing and farewell

- C. Dionisio Pérez-Blanco presents the current situation of the mid-term progress assessment by making an overview of the advances and gaps of financial reporting. Here it is highlighted that the

most important thing is to fill in the financial report table where must be gathered all the detailed information.

- Issam Nouri asks if it is mandatory to send all the receipts by the mid-term as well as by the end of the project. To this, C. Dionisio Pérez-Blanco confirm that will contact to person in charge of the financial reporting evaluation from PRIMA to translate this question.
- It has been checked that it is not needed but it is agreed to collect it anyway, if not the receipts, the detailed excel file financial report (for instance, Nina comments that in the case of INRAE, she doesn't collect the receipts but the financial department of INRAE have them all and they create a complete financial excel).
- Hadi Jaafar comments that is important to have and activate the contingency plan if needed and to do so, we should follow the progress about what we are doing and what still needs to be done. To this, C. Dionisio-Perez-Blanco suggested to reserve the first 10 minutes of the WP4 monthly regular meeting to reminder the pending task.
- Gabriele Standardi takes the word for presenting the current situation of the WP5 dissemination.

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- Paolo Mazzoli presents the report of the Champions Team, advances, gaps and future developments.

Comments:

- It is agreed that it would be fine to make another meeting apart of the previous and later meetings regarding the WS.

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Comments:

- It is discussed that it is not needed to reach every single indicator, there are some of them are will not reach for most of the water labs. The key matter here is to advance in general view in the three main stages, feedback, xxx and xxx. It is not an issue not reaching all of the indicators.
- As it is agreed on sending an email reminder to all water labs to fill in the Paolo's template for the Champions Team one month before every Stakeholder Workshop round, Nina Graveline suggest reserving one gap in the International Workshop in Tunisia to have this reminder and discuss.
- Issam Nouri presents the structure of the incoming International Workshop that will be held in Tunisia: agenda, objectives, rapporteurs. Here a detailed agenda program is explained, where a field trip is planned to show the Tunisian case study.
- Nina Graveline suggests that for the third day, the rapporteurs will be in charge of make the presentations to explain the issues and strategies in their case studies/water labs. It would be to put the rapporteurs in the center of the meeting.
- It is also suggested to have a shared serious game with all stakeholders.

- Hadi suggests that for the first day it would be a good idea to have the case studies presentation before the coffee break, and even better that the stakeholders presents their case studies before the coffee break or maybe before and after the coffee break.

*****Coffee Break*****

Continue of the roundtable about the 1st International Workshop in Tunisia, where some changes in the preliminary agenda presented by Issam Nouri are made *in situ*.

Since C. Dionisio Pérez-Blanco Will not be able to attend the 1st International Workshop it is agreed to shift the date to 10-12 October, 2023.

In addition, it is suggested to hold the General Assembly in Egypt maybe in January (22-26) due in other case it would be quite close to the International Workshop.

Closure of the second day.