

The GTool was tested by use cases' stakeholders: learn more about the co-creation workshop #3

Between January and March 2023, the three GOTHAM case studies organised their third and final co-creation workshops. These workshops aimed at presenting the GTool to the stakeholders, who had the opportunity to test the GTool and share their feedback with the project team on the GTool modules ('technical' assessment), as well as the GTool accessibility, usability and functionality ('social' assessment). Let's dive into the Spanish, Lebanese and Jordanian workshops.

Campo de Dalías, Spain

The co-creation workshop took place on January 31st, 2023, in Baelma, Spain. Enrique Gutiérrez, Manager of Cetaqua Andalucía and Manuel García Quero President of the Junta Central de Usuarios del Acuífero del Poniente Almeriense (JCUAPA), welcomed participants and kicked the day off by giving an overview of the day ahead. Damián Sánchez García, project coordinator of GOTHAM then gave a brief overview of the project and explained to the participants the overall methodology of the workshop. The results of the second co-creation workshop that took place back in May 2022 were also presented to the 16 participants.

Participants were then divided into 4 groups. One moderator per group was designated. During the first part of the workshop each module was presented to the participants. In the second part, stakeholders had time to access and discover the GTool and go through each of the software modules. The participants shared their impressions about each module within their respective

stakeholder groups and were then asked to evaluate the user experience. Feedback was gathered by each moderator.

After a coffee break, moderators of each group shared a summary of the feedback to the whole audience. For example, several groups shared the need for a user guide in order to tour them throughout the app and ease their use. After the groups' restitutions, participants had the opportunity to attend three presentations all linked to the topic of effective governance and management of groundwater. First, Rafael Almohalla from El Ejido Local Government gave

a speech on the groundwater management in the city. Then Santiago Lacambra from Acuamed presented the Campo de Dalías desalination plant. Finally, Antonio Herrera, from Hidralia, explained how the WWTP works in Roquetas de Mar.

The day was concluded by Damián Sánchez García and Manuel García Quero, thanking the participants for their involvement throughout the three co-creation workshops and sharing the next steps and notably the GOTHAM final event to take place on March 16 in El Ejido, Spain.



Azraq Basin, Zarqa, Jordan



The National Agricultural Research Center (NARC) organised a virtual co-creation workshop on March 30th, 2023. It was held at NARC's Research Center in Mafraq, Jordan, and farmers and stakeholders joined virtually. The workshop was managed by Dr Amer Sweity from NARC's project team. The main goal of the co-creation workshop was to assess the GTool by the users, farmers, regulators and other stakeholders and to get feedback about the GTool from the users.

Around nine people attended the meeting physically in Mafraq, and nine users attended virtually. A brief introduction of the GTool was given to the audience and a key information about the project was delivered. After presenting the GTool modules and after being tested by the users, a questionnaire was distributed to the users to assess the modules of the GTool. The questionnaire will be collected online to analyse the results of the users' opinions about the GTool.



Iaat, Baalbek-Hermel, Lebanon



The ICU team gathered 26 national, regional, and local stakeholders on March 4th, 2023, in Iaat, Lebanon. Hussein Hoteit, local project manager led the workshop and started by welcoming the participants and reminding them about the GOTHAM project. He also presented the results of the 2nd cocreation workshop which took place on June 18th, 2022, and detailed the methodology to be used for the third workshop.

Stakeholders were divided into three groups:

- **Group 1:** 8 end users of water: including farmer and urban consumers.
- **Group 2:** 9 water producers: including well owners and water distributors.
- **Group 3:** 9 regulators and experts: including representatives of the relevant Ministries and administration, municipality and experts specialised in the water domain.

The different GTool modules were presented to the groups. Then, participants were able to use the software for the first time in order to evaluate the GTool modules from a technical point of view, and also assess its accessibility, the usability and the functionality of the tool. One moderator was designated for each group, which then shared the feedback and feelings of the users to all participants.

Later, an interactive dialogue was led by Svetlana Klessova, G.A.C. Group, in order to open the discussion on effective management and governance, implementation challenges and sustainability. It created a passionate debate among stakeholders which conclusions will be used in order to build specific recommendations for the Lebanese case study.

The workshop was concluded by Hussein Hoteit thanking stakeholders for their participation and sharing some key takes aways and next steps.



The GOTHAM project terminated at the end of March 2023, after three years of collaborative work between 6 project partners and the stakeholders involved in the three case studies in Spain, Lebanon and Jordan. This work resulted in the development of the GTool: an innovative groundwater governance tool co-designed with stakeholders. [You can learn more about it here.](#) A big thank you to the partners and stakeholders for taking part in the GOTHAM project !



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