



D7.2 GOTHAM Website

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Project deliverable

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Abstract A project website was set up aiming to represent the first vehicle in raising awareness of the project and containing a general presentation of the project objectives and the consortium as well as all public information related to the project activities, results, events etc. This brief deliverable provides brief information on the of GOTHAM website. The website itself is publicly available since October 2020.			
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Project summary

The overarching objective of the GOTHAM project is to develop and validate a user-driven tool that enables effective groundwater governance to ultimately preserve the quantity and quality of this strategic resource in the Mediterranean basin. The GOTHAM Tool (GTool) uses an integrated methodological approach that targets optimal allocation of water resources from an environmental, social and economic perspective, including stakeholder knowledge, priorities and behaviour. One of the main strengths of the tool is that it provides a common framework for collaboration and engagement of the different water users (mainly, agricultural communities but also municipal and industrial users), as well as other relevant stakeholders such as water producers/operators and regulator(s). The GTool will enable them to exchange information in order to reach the optimal water governance at each point in time as well as in future scenarios.

The concept of the proposed GTool targets effective groundwater governance for the improvement of the management and preservation of this essential and strategic resource. This effective groundwater management remains an important and complex challenge in the Mediterranean and elsewhere, but is essential to ensure long-term sustainable use of the resource. In this regard, GOTHAM integrates multicriteria decision methods for stakeholder group decision making and social learning, and use socio- hydrological water balance framework as a theoretical foundation for water allocation to evaluate the dynamic balance between the societal and ecological systems in catchments. GOTHAM project presents a bottom-up decision-making approach inspired in this methodological framework.

GOTHAM project presents a scalable and user-specific tool for decentralising water resources management, using big data analysis. The proposed user-based tool leverages six analytical modules:

- The **water balance and water quality dynamics module** uses advanced investigation of the main aquifer formations and real-time monitoring
- The **water availability and demand forecasting module** predicts different water scenarios and assess their impact on groundwater quality and quantity status using remote-sensing measurements to model agriculture water demand and assess water availability.
- The **Managed Aquifer Recharge (MAR) and aquifer remediation module** mobilises multicriteria analysis to evaluate the feasibility of MAR schemes.
- The **agro-economic module** simulates the effect of different economic instruments to assess the economic use values and trade-offs between users in alternative resource allocation scenarios.
- The **user's engagement module** enables to fix water priorities (water boundary conditions) by water users, taking into consideration water resources to meet water demands.
- The **optimised water allocation module** calculates the optimal mix of water sources satisfying their requirements

GTool uses data visualisation techniques to deliver the results into customisable dashboards tailored for the needs of each stakeholder. Broad outreach activities will take place in Europe, Lebanon and Jordan, therefore contributing to GOTHAM impact maximization. The further development and exploitation (beyond the project) of the GTool will be done by CETaqua, both on B2B and B2C approaches.

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1. Objectives and overview

The GOTHAM website serves as the main repository for the project outcomes, resources as well as a central hub for online communication and dissemination from the project start, gathering news, press releases, but also project documents, being connected to social medias. It will represent a key vehicle in raising awareness of the project and shall contain a general presentation of the project objectives and the consortium as well as all public information related to the project activities, results, news, and events, etc.

The project website is available since October 2021 (Month 8). It provides a responsive design in order to be correctly displayed on any type of device (ranging from regular PC to mobile devices).

Website address: <https://www.gotham-prima.eu/>

2. Website captions

The following images presents the project homepage.

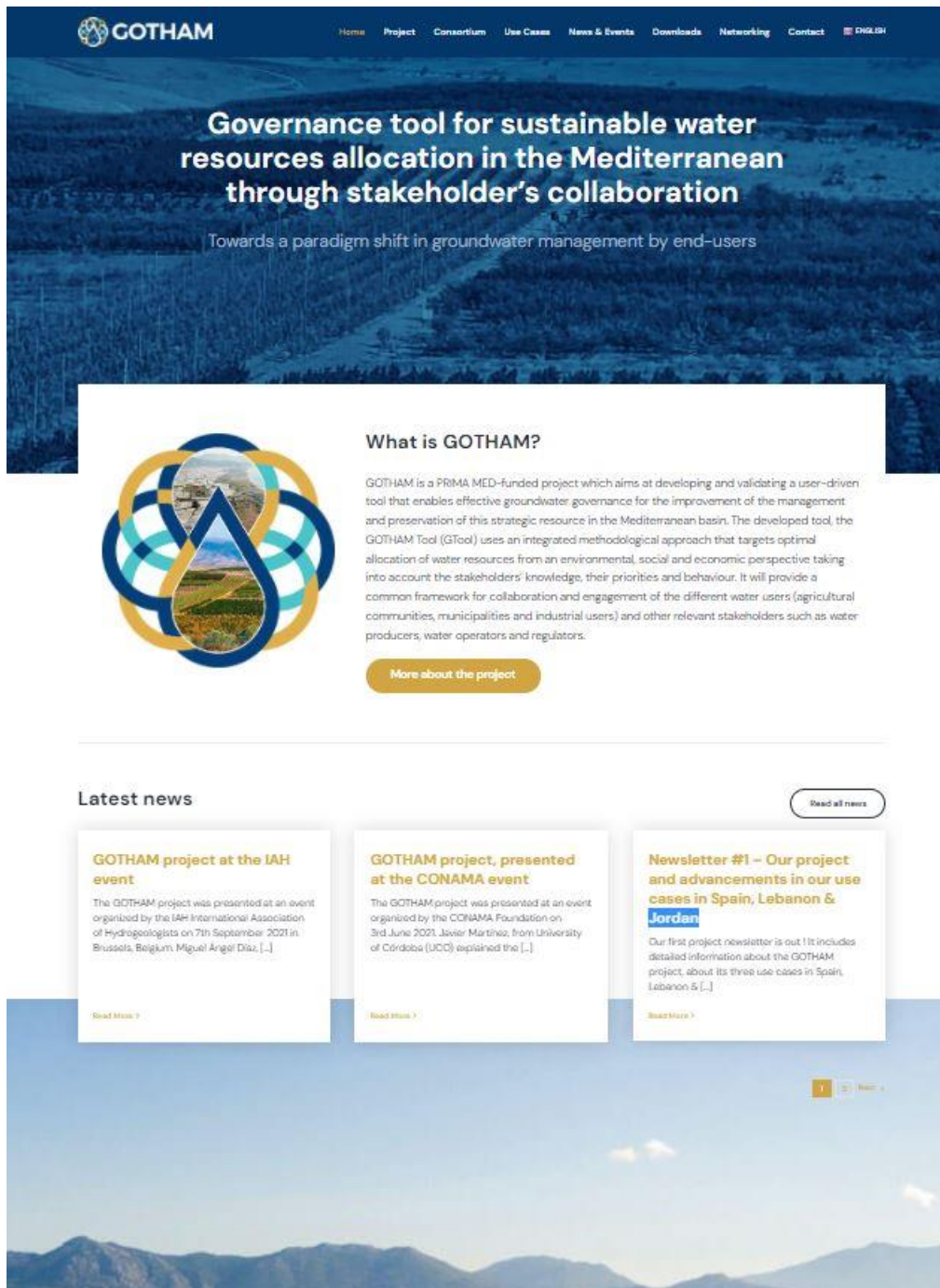


Figure 1: GOTHAM Website Homepage (upper part of the page)

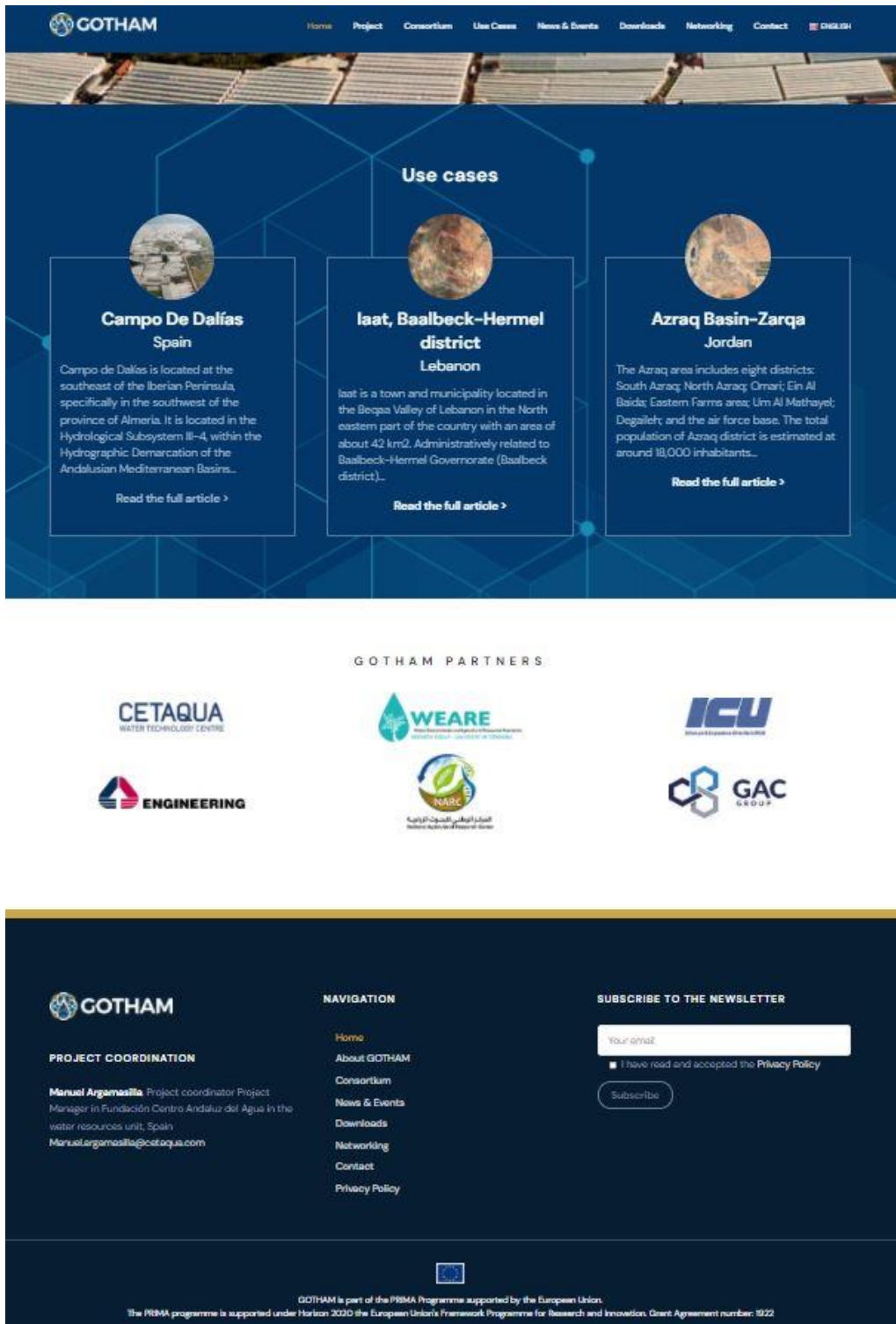


Figure 2: GOTHAM Website Homepage (lower part of the page)

The project website targets all audiences of the project such as regulators, policy and decision makers, networks, clusters and multipliers, water producers/suppliers/managers, end-users (agricultural community, industry and municipality), scientific community and the general public/ final users.

The website visitors will find information about project advancements, outcomes and potential impacts. They will also have access to publications, public deliverables and information on activities planned by the project (e.g. webinars, events).

3. Website sections

The following sections are available on the GOTHAM website:

- Home
- Project
- Consortium
- Use Cases
- News & Events
- Downloads
- Networking
- Contact

In order to reach all stakeholders across the different countries (Spain, Lebanon, Jordan) in which the GOTHAM project is developed and deployed and maximise the impact, the website has been made available in English, Spanish and Arabic.