

AQUIFER PROJECT: “Innovative instruments for an integrated management of groundwater in a context of an increasing scarcity of hydrological resources”

PROJECT PRODUCT:

P4.1. “Decision support tool on innovative practices for aquifer management”

Date: 30/04/2023

Document prepared by the Partner n°6 – AQUA-VALLEY



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1. Introduction

The Interreg Sudoe AQUIFER project entitled "Innovative tools for the integration of groundwater in a context of increasing scarcity of water resources", is financed by the European Regional Development Fund (FEDER) within the framework of the Interreg SUDOE V program (2014- 2020).

Its main objective is to capitalize, test, disseminate and transfer innovative practices for the preservation, monitoring and integrated management of aquifers that are useful when making decisions on the management of groundwater resources.

To achieve this goal, the project is divided into 4 groups of specific tasks that group 15 specific tasks with 25 deliverables and 10 products. On the other hand, the project includes three groups of transversal tasks that group 17 specific tasks.

This document explains the product P4.1. "Decision support tool on innovative practices for aquifer management" and it has been developed under the direction of Aqua-Valley, partner of the project.

2. Description of the tool

In the frame of the activity 4.2, a web platform was developed to capitalize, test, disseminate and transfer innovative practices for the preservation, monitoring and integrated management of aquifers. The platform was developed as an innovative practice showcasing to help the replicability of good underground water management practices between territories, especially in the SUDOE area.

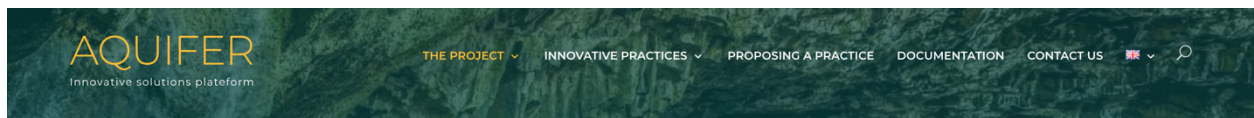
► platform.aquifer-sudoe.eu

The platform has been launched in November 2022 and is presenting the 30 practices identified during the AQUIFER project regarding preservation, monitoring and management of groundwater. For water sector players (users or managers), the AQUIFER platform is an opportunity to discover and integrate innovative solutions into their daily practices. For administrations, this project is an opportunity to draw inspiration from existing practices and better integrate groundwater resources in the development of management plans.

To facilitate the showcase of the innovative practices and to help the user to find the right solution regarding their own issues, the platform was organized as **decision support tool on innovative practices** for aquifer management, by the possibility of using filters.

MAIN MENUS

The AQUIFER platform, is organised through 5 main menus:



THE PROJECT

This section presents the main activities of the project, the partners involved into the AQUIFER project and also some news of the project.

INNOVATIVE PRACTICES

This area presents all the innovative practices identified by the AQUIFER partners, with a specific page for each one that presents all the detailed. In this section, a tool is available to find a practice by using filters or with a key words research. The process to find a practice will be detailed into the next section.

PROPOSING A PRACTICE

The platform was launched with 30 innovative practices, but the website is built to be updated with the possibility of integrating new innovative practices. Through this section there is a form to fulfil and then a committee will decide if the practices proposed will be published or not on the platform.

DOCUMENTATION

The documentation part is used to promote others interested websites related to groundwater issues.

CONTACT US

The contact part is open to everyone that wants to contact the AQUIFER partners: question on the platform, on the project, on the process to propose a new practice.

OTHER FUNCTIONALITIES

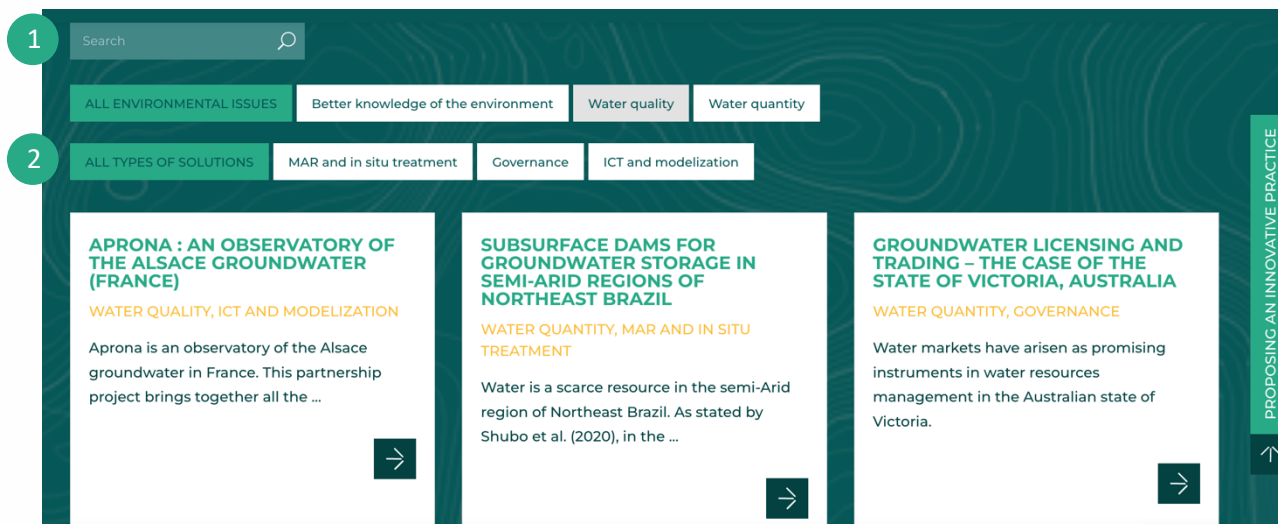
LANGUAGE

The website is available in 4 languages: French, Spanish, Portuguese, and English.

GENERAL RESEARCH

With this functionality, it's possible to enter a keyword and find an information in all the platform website.

THE DECISION SUPPORT TOOL ON INNOVATIVE PRACTICES



1 To find a practice **with the key words research**, the user can write any key words and the platform will search into all the Innovative sheets.

2 To find a practice **with the filters**, the user must click on the targeted filters. It's possible to click on several filters. Two main categories of filters are available:

- **The environmental issues addressed:**
 - Better knowledge of the environment
 - Water quality: saline intrusion, diffuse pollution, ...
 - Water quantity: availability of water, resource sharing, ...
- **The type of solution proposed:**
 - MAR (Managed Aquifer Recharge) and in-situ treatment
 - ICT (Information and communication technology) and modelling
 - Governance

The filters can be used as a **DECISION SUPPORT TOOL** to find the right practices adapted to the issues addressed.