

# DIGIRES

## Digitally-enabled green infrastructure for sustainable water resources management in Latin America and the Caribbean

### Deliverable D1.1

**Updated MAR inventory of MAR schemes in EU and LAC**  
Selection of managed aquifer recharge practices in Latin America

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#### Summary

The DIGIRES project aims to increase the awareness about MAR by promoting best-practice examples from the region. The present summary introduces a collection of representative MAR practices addressing multiple water resources management objectives. While MAR is mostly recognised as a tool to improve the availability of water for agricultural productivity or drinking water provisioning, managed groundwater recharge can also help to achieve many other objectives such as supporting riparian habitats, mitigating floods, reducing runoff and erosion, controlling land subsidence, improving coastal water quality and increasing the minimum flow in rivers.

To this end, the report intends to demonstrate the potential of managed aquifer recharge through the identification and dissemination of several success stories throughout the LAC region, showing the great diversity of applications, water sources and MAR techniques involved. Ten various MAR schemes are selected from seven LAC countries (Ecuador, Paraguay, Peru, Mexico, Brazil, Chile and Colombia) and each explained on two-page document. The description includes the general motivation for the project, the technical approach adopted, the main challenges encountered during the project implementation or exploitation, ending with a presentation of the main outcomes and further steps undertaken.



The image shows the cover of a report titled "Selection of managed aquifer recharge practices in Latin America". At the top, there are logos for Technische Universität Dresden, UVG (Universidad del Valle), Centro de Estudios Ambientales y Biodiversidad - CEAB (Instituto de Investigaciones), and INOWAS (Innovative Groundwater Solutions). The main visual is a landscape photograph of a mountain range with snow-capped peaks and a winding road. A blue box with the word "COLLECTION" is overlaid on the image. Below the image, the title "Selection of managed aquifer recharge practices in Latin America" is written in a sans-serif font.

*The collection of MAR practices in Latin America is available in English and Spanish as free download from the project website:*

<https://digires.inowas.com/case-studies/>