



# KARMA



Karst Aquifer Resources availability and quality in the **Mediterranean Area**

## MEDKAM Web-GIS and digital map

### Deliverable 5.4

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## Project Partners



(Coordinator)



**SAPIENZA**  
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**AMERICAN  
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Participant No *	Organisation	Country
1 (Coordinator)	Karlsruhe Institute of Technology (KIT)	Germany
2 Partner 1	Federal Institute for Geosciences and Natural Resources (BGR)	Germany
3 Partner 2	University of Malaga (UMA)	Spain
4 Partner 3	University of Montpellier (UM)	France
5 Partner 4	University of Rome (URO)	Italy
6 Partner 5	American University of Beirut (AUB)	Lebanon
7 Partner 6	Ecole Nationale d'Ingénieurs de Tunis (ENIT)	Tunisia

## Executive Summary

The final geodatabase for MEDKAM was completed in December 2022, the maps were printed in January 2023. Details on the map, the digital map, the geodatabase and metadata are available via the geoportal of the German Federal Institute for Geosciences and Natural Resources (BGR) with the following link:

<https://geoportal.bgr.de/mapapps/resources/apps/geoportal/index.html?lang=en#/datasets/portal/65f58412-4a78-4808-9ef6-6b6d9182db8f>

On the right hand of the website there is a drop-down menu (Figure 1), which provides the digital MEDKAM as a pdf-file and the complete geodatabase with related shapefiles, the ArcGIS-project file and metadata.

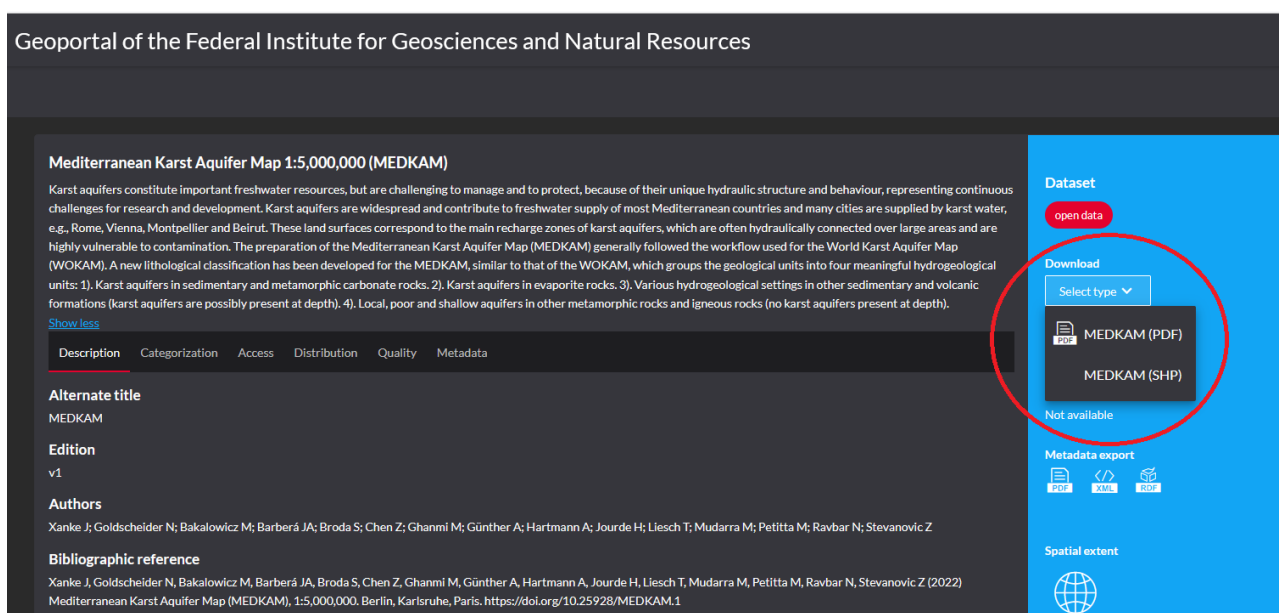


Figure 1: The MEDKAM on the geoportal of the German Federal Institute for Geosciences and Natural Resources (BGR). On the right hand the digital map and related shapefiles can be downloaded (red circle).

Direct download links for the digital map and the geodatabase:

MEDKAM (PDF):

[https://download.bgr.de/bgr/grundwasser/MEDKAM/pdf/MEDKAM\\_v1.pdf](https://download.bgr.de/bgr/grundwasser/MEDKAM/pdf/MEDKAM_v1.pdf)

MEDKAM (SHP):

[https://download.bgr.de/bgr/grundwasser/MEDKAM/shp/WHYMAP\\_MEDKAM\\_v1.zip](https://download.bgr.de/bgr/grundwasser/MEDKAM/shp/WHYMAP_MEDKAM_v1.zip)

## KARMA – MEDKAM Web-GIS and digital map

The implementation of the MEDKAM to the BGR Geoviewer was completed on 6<sup>th</sup> of March 2023. There, the MEDKAM is accessible as a WebGIS (Figure 2).



Figure 2: MEDKAM as shown in the BGR Geoviewer. On the left side, different layers of the map can be (de)activated, and attribute tables can be opened.

Additionally, MEDKAM is implemented in the WHYMAP Geoviewer as a WebGIS, too (Figure 3).

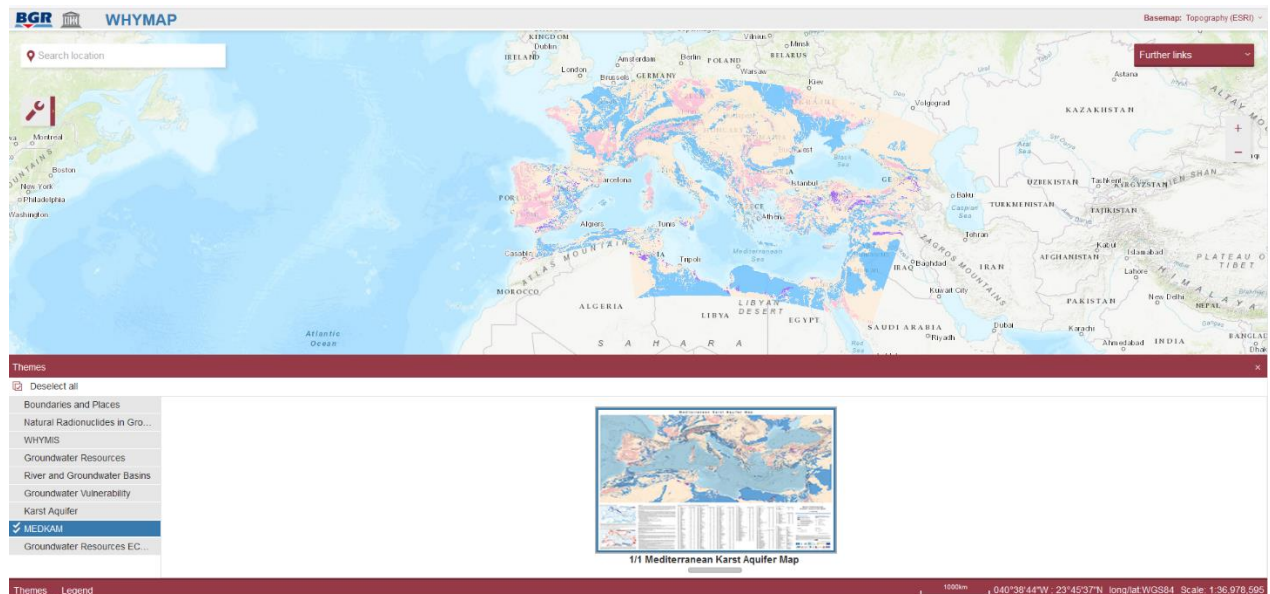


Figure 3: MEDKAM as shown in the WHYMAP Geoviewer.

Direct links to the BGR Geoviewer and the WHYMAP Geoviewer:

BGR Geoportal/Geoviewer:

<https://geoportal.bgr.de/mapapps/resources/apps/geoportal/index.html?lang=en&stateld=4d95be39-19c6-4c23-95be-3919c6dc2399#/geoviewer>

WHYMAP Viewer:

[https://geoviewer.bgr.de/mapapps4/resources/apps/whymap/index.html?lang=en&tab=medkam&layers=%2B%3Acover\\_whymap\\_medkam\\_rest%2C-%3Acover\\_whymap\\_gwr&center=1695498.895061654%2C5194048.946032935%2C3857&lod=7](https://geoviewer.bgr.de/mapapps4/resources/apps/whymap/index.html?lang=en&tab=medkam&layers=%2B%3Acover_whymap_medkam_rest%2C-%3Acover_whymap_gwr&center=1695498.895061654%2C5194048.946032935%2C3857&lod=7)