

B12 Muriel Spring

B18 Ouysse

B13 Ses Fonts Ufanes Spring

B21 Fontaine de Vaucluse

B23 Source de l'Areuse

B24 Source de l'Orbe

B27 Aachquelle

and to help to address global water resources management. WOKAM was prepared in the framework of the World-wide

Hydrogeological Mapping and Assessment Programme (WHYMAP). The digital Global Lithological Map (GLiM) by Hartmann and

Moosdorf (2012) served as an important basis for WOKAM. Many other regional geological and hydrogeological maps, cross-

sections and literature were consulted to improve the map, which was also validated by a large number of regional experts. However,

as the type and quality of information, as well as the availability of regional experts, is very different in different parts of the world, the

reliability of WOKAM is spatially variable (as is shown on the small inset map).

Change of population density [persons/km²]

The change of population density between 1990 and 2010 is based on the Gridded Population of the World, Version 3 (GPWv3), consisting of estimates of human population for the years 1990 and 2010 by 2.5 arc-minute grid cells. A proportional allocation gridding algorithm, utilizing more than 300 000 national and sub-national administrative units, is used to assign population values to grid cells. The population

Chen et al. (2017) The World Karst Aquifer

Mapping project: concept, mapping procedure

and map of Europe. Hydrogeology Journal.

Hartmann & Moosdorf (2012) The new global

lithological map database GLiM: A represen-

tation of rock properties at the Earth surface.

Geochemistry Geophysics Geosystems.

mapped features

moderate

not relevant/no kars

C36 Yangjiatai

C38 Chexinwan

C41 Yunpan

C44 Banqiao

C47 Zhijindaquan

C46 Xincun

C24 Bonab

C52 Huanghou

D6 Ain El Gaba

D8 Borama

This map was created to the best knowledge of the WOKAM team. Nevertheless, we would appreciate comments, suggestions and

scientific input to contribute to the continuous improvement of the WHYMAP products, including the present version of this map. Contact

information for the submission of any notes and drafts related to this map is available at www.whymap.org/wokam-contact.

BGR, IAH, KIT and UNESCO (2017). World Karst Aquifer Map, 1:40 000 000. Berlin, Reading, Karlsruhe and Paris.

BGR SKIT CCGM SA IGEN World Karst Aquifer Map 1:40 000 000 BGR, IAH, KIT, UNESCO Berlin, Reading, Karlsruhe, Paris 2017