# List of the OZCAR-RI observatories, and of their characteristics in terms of data management

## *Liste des observatoires membres de l'IR OZCAR et caractéristiques de leurs portails de données*

After : Braud I., Chaffard V., Coussot C., Galle S., Juen P. and the Theia/OZCAR team (26 co-authors). "Building the Information System of the OZCAR French Critical Zone Observatories network". Hydrological Sciences Journal (HSJ-2019-0204), Subm. 2019

| Logo of the observatories | Name and website | Portal management | Database type | Database portal | Data access | Database contact(s) | Remarks and link to download the datasets |
|---|---|---|---|---|---|---|---|
| ORE AgrHyS | AgrHys | Institutional INRA | Relational | yes | Public | G. Le Hénaff H. Squividant | Metadata and map can be harvested: implements a cataloguing service (CSW webservice) and a map service (WMS web service). Based on GeoOrchestra spatial data infrastructure. https://www6.inra.fr/ore_agrhys_eng/Data |
| M-TROPICS | M-TROPICS | Toulouse OSU (OMP) | Relational | yes | Login/ password | G. Brissebrat N. Silvera | https://mtropics.obs-mip.fr/data-access/ |
| HyBAm | HYBAM | Institutional IRD | Relational | yes | Login/ password | G. Cochonneau | http://www.ore-hybam.org/index.php/eng/Data |
| ORE Draix Bléone / OTHU / GIS ORACLE | Draix-Bléone OTHU/Yzeron ORACLE Real Collobrier | Institutional Irstea | Relational | yes | Login/ password | F. Branger | Common data base, BDHO (Base de Données des Observatoires Hydrologique) for the hydrological observatories of Irstea (Branger et al., 2014). Not conceived to easily provide metadata https://bdoh.irstea.fr/ |
| AMMA CATCH | AMMA-CATCH | Grenoble IGE /OSU (OSUG) | Relational | yes | Login/ password | V. Chaffard | Fully interoperable. Both metadata and data can be harvested: implements a cataloguing service (CSW webservice) and an data access service (SOS webservice) http://bd.amma-catch.org |
| OSU-RÉUNION | ERORUN | La Réunion Island OSU (OSU-R) | Under construction | yes | Login/ password | R. Decoupes | Metadata can be harvested: implements a cataloguing service (CSW webservice) https://geosur.univ-reunion.fr/web/ |
| Observatoire Hydro-météorologique Méditerranéen Cévennes Vivarais | OHMCV | Grenoble OSU (OSUG) | Simple file repository arborescence | yes | Public | B. Boudevillain | Part of the OHMCV observatory data available in the BDOH data base http://ohmcv.osug.fr/spip.php?article30 |

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| | OHGE | Strasbourg OSU (EOST) (being discussed) | Simple file repository arborescence | yes | Ask contact person or login/ password | A.Herrmann M-C. Pierret | Presently managed by the team of the observatory but discussion to be included in the Strasbourg OSU http://bdd-ohge.u-strasbg.fr/index.php/bdd |
| | ObseRA | Institutional IPGP | Simple file repository arborescence | yes | Login/ password | E. Lajeunesse | Under integration in the WebObs IPGP volcanology data portal http://webobsera.ipgp.fr/ |
| | OMERE | Institutional INRA | Relational | yes | Public | A.Dubreuil | Metadata can be harvested: implements a cataloguing service (CSW webservice) and a map service (WMS web service). Based on GeoOrchestra spatial data infrastructure http://www.obs-omere.org/index.php?page=geonetwork&lang=fr |
| | Auradé | Managed by the observatory | Under construction | no | Only metadata | H. Alexandre | |
| | SNO Karst | Montpellier OSU (OREME) | Relational | no | Only metadata | J. Fabre O. Lobry | Data portal under construction https://data.oreme.org/observation/snokarst |
| | H+ | Rennes OSU (OSUR) | Relational | yes | Login/ password | A. Battais M-F. Gérard | http://hplus.ore.fr/base-de-donnees-fr |
| | CRYOBS-CLIM | Grenoble OSU (OSUG) | Relational | yes | Login/ password | V. Chaffard O. Laarman | Based on the same information system as AMMA-CATCH. Fully interoperable. Both metadata and data can be harvested: implements a cataloguing service (CSW webservice) and an data access service (SOS webservice) http://data.cryobsclim.fr |
| | Tourbières | Orléans OSU (OSUC) | Under construction | | | J-B. Paroissien | Data portal under construction https://www.sno-tourbieres.cnrs.fr/base-donnees-sno-tourbieres/ |
| | OSR | Managed by the laboratory | Relational and file repository arborescence | yes | Relational and file repository arborescence | P. Baillion | Information system including in-situ data and satellite images and collecting all the data from the laboratory Data portal under construction |
| | ADES | Institutional BRGM | Relational | yes | | S. Gabillard S. Grellet A.Mauclerc | Operational data base used for the Water Framework Directive reports about groundwater Both metadata, data and map can be harvested: implements cataloguing, map and data access services (own API respecting Sandre technical specification; WFS, WMS web service). https://ades.eaufrance.fr/ |
| | OPE | Institutional ANDRA | No | - | Restricted | C.Galy | |