Elementary observatories, web sites and main driving research questions associated.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Elementary observatory | **Supporting organism** | **Lab. In charge** | **Location****Oldest data** | **Main Research question** | **Number of instrumented sites** |
| OHMCV<http://www.ohmcv.fr/> | INSUSO INSU | LTHE/HSM/Espace/ Mines Ales | CévennesVivarais1983 | Hydro-meteorological extreme flood events in mediterranean context.  | 4 sites in Cevennes-Vivarais+ regional hydrometeorological observations  |
| DRAIX-BLEONE<http://oredraixbleone.irstea.fr/> | IRSTEA | ETNA/LTHE | Haute Provence1984 | Hydro-meteorological extreme flood events and erosion in mountaineous mediterranean context. | 7 sites of contrasted scales and vegetation patterns |
| AMMA-CATCH<http://www.amma-catch.org/> | INSU/IRDSO IN­SU | LTHE/HSM/GET | West Africa1990 | West Africa monsoon climatic and hydrological observatory | 1 tropical humid site in Benin + 1 tropical dry site in Niger + 1 semi-arid site in Mali  |
| HYBAM<http://www.ore-hybam.org/> | INSU/IRDSO INSU | GET | Amazonian basin1995 | Geodynamic, hydrologic and biogeochemical control of chemical and physical denudation in the Amazon Basin | 15 sampling stations on the Amazon and its tributaries. |
| AGRHYS<http://www6.inra.fr/ore_agrhys> | INRA | SAS | Bretagne1980 | Response time to agricultural and climatic forcings in hydro-agrosystems | 2 sites of contrasted land use. |
| OMERE[http://www.obs-omere.org](http://www.obs-omere.org/) | INRA/IRDLabel ORE | LISAH | Languedoc - 1992Tunisie -1994 | Global changes and agricultural changes in Mediterranean hydro-agrosystems. | 1 site in France1 site in Tunisia |
| Oracle<http://gisoracle.irstea.fr/> | IRSTEA | HBAN | Brie, Bassin de Paris1962 | Hydrological and biogeochemical behavior of hydro-agrosystems in intensive farming sedimentary area. | 3 sites of different scales. |
| Auradé-Montoussé<http://www.ecolab.omp.eu/bvea/> | INEE/GPN  | ECOLAB | Gers1983 | Impact of agricultural practices on water, nutrient, erosion fluxes and biodiversity in hydro-agrosystems. | 1 site |
| MSEC Vietnam/Laos/Thaïlande<http://msec.obs-mip.fr/> | IRD | Bioemco | South East Asia2001 | Impact of land use changes on erosion and water resource in foothills of South Asia | 3 sites |
| **OPE : observatoire pérenne de l’Environnement**[www.andra.fr/ope/](http://www.andra.fr/ope/) | ANDRA | ANDRA | East of France2007 | Long-term (100 years) monitoring of the environment above the underground storage site of high and intermediate nuclear wastes.  | Several catchment and soil sites |
| BVET<http://bvet.obs-mip.fr/fr> | INSU/IRDSO INSU | GET | India (2004)Cameroon (1994) | Water and biogeochemical cycles in tropical drainage basins | 2 sites in India of contrasted land use1 site in Cameroon |
| OHGE<http://ohge.unistra.fr/> | INSUSO INSU | LhyGes | Vosges1986 | Biogeochemical cycles in a temperate forested granitic catchment submitted to acid rain. | 1 site |
| ObsErA<https://morpho.ipgp.fr/Obsera/Home> | INSUSO INSU | IPGP | Guadeloupe2004 | Coupling physical and chemical denudation in volcanic arc context and cyclonic climate. | 2 sites |
| SO KARST\*<http://www.sokarst.org/> | INSU |  | 1970 | Network of French karst observatories along altitudinal and climate gradient (Languedoc, Jura, Provence, Pyrenées, Paris Basin, Dordogne). | 10 sites |
| EroRUN<http://osur.univ-reunion.fr/observations/soere/rbv/> | INSU | OSU Réunion | Réunion1987 | Hydrology and biogeochemistry of a fast eroding drainage basin on basaltic rocks. | 1 main site |
| Observatoire de Nouvelle CalédonieNew Caledonia. | IRD | IMPMC | Nouvelle-Calédonie 2010 | Metal fluxes in hydrosystems draining ultrabasics rocks | 2 sites |

\* the different karst observatories (MEDYCYSS, Jurassic Karst, Fontaine de Vaucluse, SEE Moulins) were integrated in 2014 into a unique overarching sub-network : SO KARST