

DATA BASE OF HINDCAST RIVER DISCHARGE

ABSTRACT

The hindcast data base is continuously developed, improved and released in new versions. Data can easily be down-loaded from the E-HYPE web page www.e-hypeweb.smhi.se under an agreement that can be found on the same page. The data base covers the whole Europe and is not restricted to river outlets to the sea but it also contains data from all upstream basins. So far the data base only contains water discharge but nutrient concentrations will be included in the next version which is planned for late 2012.

Within the OPERR project the hindcast data is a valuable supplement to atmospheric re-analysis products for ocean hindcasts including ecological models. One important application is in connection with climate change impact studies and ensemble modelling. Other ocean applications where river data is important are coastal management and monitoring. The data base also works as a platform for EU financial proposal or bodies (e.g. FP7, ERA-net, Interreg, GMES, EU commission) and for SME business development.