

RIVER INFLOW MODELLING FOR ASSESSING HYDRO POWER PRODUCTION

Operations for hydropower planning and trading in the energy market require knowledge of water availability in the reservoirs. Assessment of potential hydro power productions is supported from SMHI by delivery of hydrological information all over Europe.



HYDROLOGICAL INFORMATION GIVES YOU THE EDGE

SMHI provides thorough information of the current and future hydrological situation to support your operation in price forecasting, optimization and planning of short-term production and long-term investments.

Our hydrological package covers information of water inflow, effective precipitation, snowpack, temperature, soil water and hydrological balance for the whole Europe. The results are based on SMHI's hydrological model HYPE adapted to suit hydropower production calculations. On a daily basis, we provide updated simulations and forecasts of the hydrological situation as total inflow (m^3/s) to the hydropower reservoirs. The information is also converted in energy terms, GWh. Incoming data are supervised and analyzed by our experienced hydrologists. The GWh models run operationally for Sweden, Norway, Finland, Italy, France, Germany, Austria, Switzerland, Spain, Portugal, Slovenia, Bulgaria, Serbia, Bosnia and Herzegovina, Croatia and Greece. Our work is in continuous development to cover all European Countries.

WHAT ARE THE BENEFITS?

- Awareness of current and 15-day ahead hydrological conditions.
- The ability to take advantage of the hydrological situation.
- Daily updates.
- Forecasts expressed in GWh for several countries in Europe.
- The ability to react swiftly.

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