

**PRODUCTSHEET**

# HYFO – A DECISION SUPPORT SYSTEM FOR WATER RESOURCE MANAGEMENT

HYFO (Hydrological Forecasts Online) is a state-of-the-art decision support system for everyone dependent on reliable water and weather information. A functional and clear web interface presents measurement and forecast data. HYFO is developed in close collaboration with our customers and may be adapted to your particular needs.

HYFO is SMHI's modern visualization tool for hydrological and meteorological observations and predictions. The web interface provides easy access to the parameters you need for decision support:

- Precipitation
- Air temperature
- Water equivalent
- Soil water deficit
- Discharge/inflow

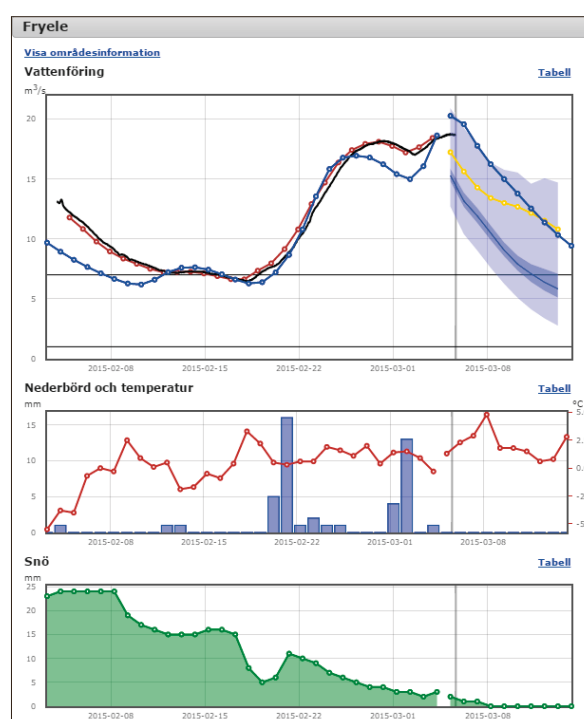
Users may choose between different display formats including maps, tables, or time series graphs.

**FAST ASSESSMENT OF PRESENT CONDITIONS**

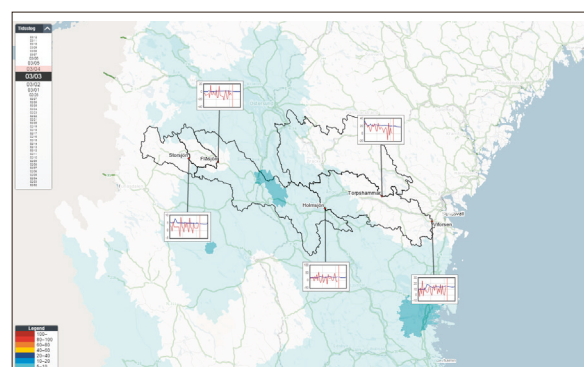
Hydrological parameters for whole Sweden are calculated with the new hydrological model HYPE. In combination with results of meteorological models, a forecast of the hydrological situation for up to 10-days is available. Statistical analysis and visualizations ease the assessment of the actual hydrologic condition. Precipitation sums over a certain period can be combined in one map with observed discharge and discharge trends.

**ADAPTABLE TO YOUR NEEDS**

In need of a special calibrated hydrological model, SMHI's well-established and high-quality model HBV can be adapted to your demands. Even own observational networks and data may be added to the decision support system.



Example of data visualization of discharge, precipitation, air temperature, and water equivalent at the measurement station Fryele.



Ljungan's catchment with observed and simulated discharges in small time series plots for selected subbasins. Clicking on the time series plots will enlarge them. The background map presents daily precipitation sums for the surrounding area.

**For further information, please contact:**

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