

SUPPORT TOOL FOR PLANNING OF WATER RESOURCES

HYFO is a modern and user-friendly support system for those sectors that are dependent on hydro-meteorological variables. By using this web-based presentation tool observations and forecasts can be easily monitored. HYFO is developed in consultation with our customers and it can be customized for specific needs.

HYFO (HYdrological Forecast Online) is SMHI's new presentation tool for hydro-meteorological observations and forecasts. The web interface helps you taking decisions in your business sector by providing information of several variables:

- Precipitation
- Temperature
- Snow accumulation
- Soil water equivalent
- Water discharge / Inflow
- Water level

QUICK ASSESSMENT OF THE CURRENT SITUATION

The web tool shows hydrological variables that are calculated with SMHI's hydrological model HYPE which, together with meteorological modelling, gives forecasts up to 10 days ahead. Statistical analyses and presentations can help taking decisions in the current situation. Information as accumulated precipitation for different time aggregations as well as flow trends can be showed in map layers covering the area of interest.

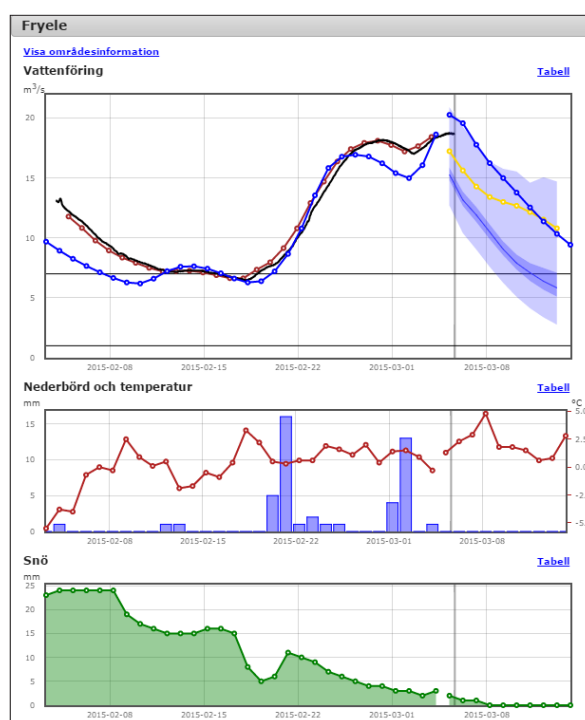
TAILORED TO YOUR NEEDS

SMHI's experienced hydrologists can set up and locally calibrate a hydrological model based on SMHI'S hydrological models HYPE or HBV which also allow running forecasts up to 6 month ahead. It is also possible to include and visualize your own observations and measuring stations in the system, together with different water management strategies.

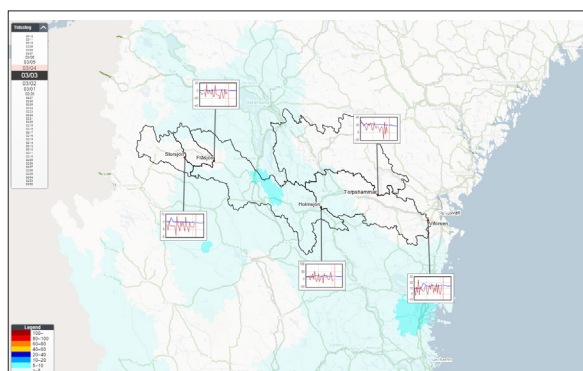
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Example of presentation of flow, precipitation, temperature and snow accumulation from Fryele in Lagan (North of Sweden).



Ljungan' catchment with observed and model-calculated discharge in small graphs for selected sub-catchments. The graphs can be enlarged by clicking on them. Background map shows the modelled daily precipitation in the area.