

3.4.5 Hydrological Modelling with Radar-derived Precipitation Applications

Radar data have the potential to become an important input for real-time flood forecasting. So far, radar data have been of limited use in hydrological models due to quality problems and insufficient adaptation of the hydrological models to radar information. This is continuously being improved on both sides, and the BALTEX Radar Data Centre now has several years of archived radar data for development use (see Chapter 8). Hydrological models should be driven with radar-derived precipitation for selected catchments. These should then be evaluated on the basis of both long-term and flooding events, and compared to results using other sources of precipitation forcing.