

Diana - an open source production and visualisation package

Lisbeth Bergholt and Audun Christoffersen, Norwegian Meteorological Institute

Diana is developed at the Norwegian Meteorological Institute, and is freely available under the terms of the GPL license. Since 2001, Diana has been used operationally in forecasting and research. The non-interactive part of the software is used as a graphical engine for both batch production and in WMS (Web Map Services) implementations. A formal cooperation for further development of Diana, databases and data quality control has been established with the Swedish Meteorological and Hydrological Institute. The main new developments are on grid editing, WMS, and support for more standard data formats. A prototype of field editing has been developed. It is based on algorithms which calculate the modifications within an area using a script language. Consequently, the modifications are reusable and traceable.