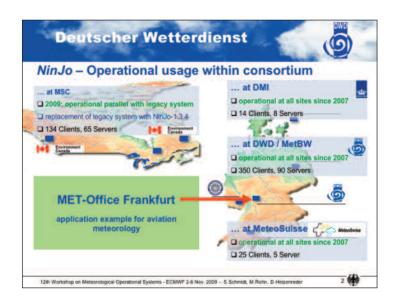
NinJo - System Overview and Usage for Aviation Meteorology at DWD

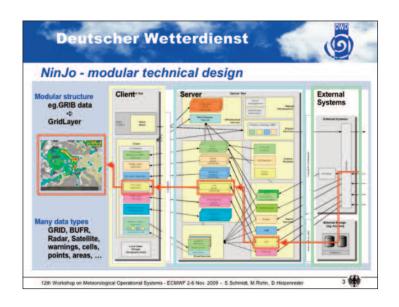
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Abstract

The meteorological workstation NinJo as result of an international software development project is presented. The NinJo project had been presented during previous workshops on operational systems. Since then NinJo has been operationally introduced at the meteorological offices of all development partners in Canada(MSC), Denmark (DMI), Germany (DWD and MetBW), and Switzerland (MeteoSwiss). This year's presentation focuses on the operational status of the system and the NinJo roadmap to the extension of the system in order to support all aspects of operational meteorological work. Recent developments supporting the automatic production of warnings and graphics are briefly outlined. The presentation is completed by the demonstration of the typical workflow at a meteorological office at Frankfurt airport during a particular strong convective situation affecting the air traffic around the Rhein-Main region. The necessary analysis of various data types emphasizes the importance of the observational information in meteorological decision making especially in such a rapidly changing weather situation and hence is tying to "the role of observations" as the main focus of this year's workshop.

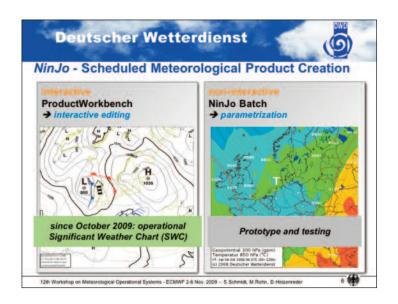


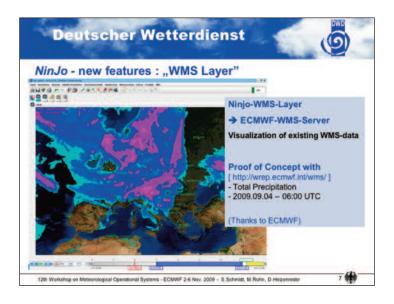








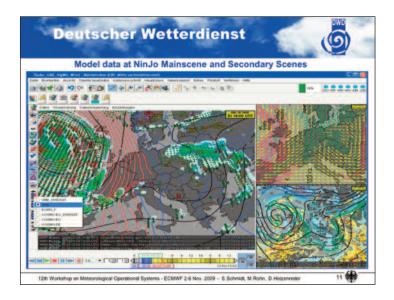


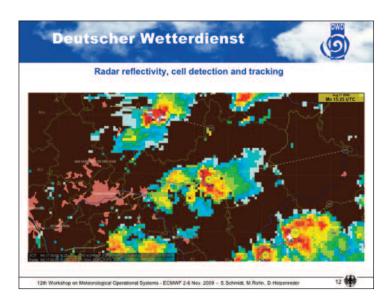












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Reichert B., H.J. Koppert, 2005, The Meteorological Workstation NinJo and its Production Tools, 10th Workshop on meteorological operational systems, 14-18 November 2005.