



INCA-CE: Nowcasting and its applications for Central Europe

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Within the INCA-CE project (Integrated Nowcasting through Comprehensive Analysis in Central Europe; <http://www.inca-ce.eu>) which is supported by the European Regional Development Fund, a deepened transnational cooperation between meteorological/hydrological services and three application areas is established. This guarantees for both enhancements of meteorological products in the sense of end-user applicability, and standardized information exchange across borders. At present, INCA-CE is the only project throughout the world which connects cooperation to such an extent with respect to its transnational and multidisciplinary framework. The project is also strongly supported by the WMO and chosen as a WWRP/FDP.

Key partners from eight countries (from national meteorological/hydrological services and the three different application areas) accept the challenge to work on standardization and harmonization tools.

Therefore, the INCA nowcasting system - developed at the Austrian weather service (ZAMG) – has been implemented at all CE meteorological/hydrological services and is advanced and refined to the specific user needs to (i) provide high quality nowcasting products which are standardized and harmonized across borders, (ii) improve information chains from models to warnings and protection measures in case of disaster, and (iii) make the public and stakeholders more familiar with meteorological products.

In this presentation the outputs and the final results of the INCA-CE project will be shown with special emphasize on research and developments concerning nowcasting methods/tools for the three application areas, and on best-practices of using nowcasting information in hydrology, civil protection and road safety.