HYDROCARE - Hydrological cycle of the CADSES regions: a spatial development project on the water resource and the hydro-meteorogical events

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The project HYDROCARE - Hydrological cycle of the CADSES regions has been approved in the 3 rd call of the INTERREG IIIB - CADSES neighbourhood programme of the EU. CADSES stands for Central, Adriatic , Danubian and South-Eastern European Space. The project will last 2 years starting January 1st 2006, its budget is about 2.5 MEUR and it involves 11 institutions from 6 countries (Italy , Germany , Greece , Poland , Romania , and Slovakia). The project is coordinated by an Italian Lead Partner, the Consorzio Interuniversitario Nazionale per la Fisica delle Atmosfere e delle Idrosfere - CINFAI. (in English: National Consortium of Universities for the Physics of Atmospheres and Hydrospheres), which associates about 20 Universities all around Italy. The mission of HYDROCARE is to study the hydrological cycle of the CADSES area by adopting an integrated and multidisciplinary approach. The official web-site of HYDROCARE is http://www.hydrocare-cadses.net. HYDROCARE wishes to develop an integrated system capable of assessing the impact of hydro-meteorological events on the water resources in the CADSES region. Emphasis will be put on the development of effective transnational tools for a rational exploitation of the water resource and the management of the extreme hydro-meteorological events, with the purpose of preserving and enhancing economical and environmental welfare. Such managing tools will be illustrated also in practical terms by performing some case studies. Other main topics of the project will be the reconstruction of the large and basin-scale hydrological cycle in the CADSES area, to be obtained by suitably merging observations (both local and remote) and models, and the development of a high level ICT network within a transnational frame, with the purpose of collecting and exchanging hydro-meteorological data. Provision of relevant information to end-users such as farmers, entrepreneurs, public administrations and agencies is also foreseen.