EMS Annual Meeting Abstracts Vol. 12, EMS2015-392, 2015 15th EMS / 12th ECAM © Author(s) 2015. CC Attribution 3.0 License.



Use of seasonal forecasts for water resources management in Spain

Laurent Pouget (1), Tamara Roldán (1), Manuel Gomez (1), Àngels Cabello (1), Ernesto Rodriguez-Camino (2), Beatriz Navascues (2), Jose Voces (2), Federico Franco (2), Pau Comas (3), Fernando Pastor (4), M^a Concepción García-Gómez (4), Juan J. Gil (5), Delfina Gil (6), and Rogelio Galván (7)

(1) CETaqua, Cornellà de Llobregat, Barcelona, Spain, (2) AEMET, Spain, (3) Aqualogy, Barcelona, Spain, (4) Ministerio de Agricultura, Alimentación y Medio Ambiente, Madrid, Spain, (5) Douro Basin Agency, Spain, (6) Tagus Basin Agency, Spain, (7) Ebro Basin Agency, Spain

This presentation describes the potential use of seasonal climate predictions for water management in Spain. After analyzing the response to the climate drivers at different time scales for selected river basins in Spain, it turned out that certain windows of opportunity were identified for dam management purposes at seasonal time scale. A pilot study was designed in the framework of the Euporias project to evaluate the benefits of using seasonal forecast information in the decision making process associated to dam management. This pilot study incorporates different stakeholders such as river basin organization and local water managers. The methodology of implementation of such predictions in the decision making process is being developed in close collaboration with project stakeholders.