Intelligent Real-Time Forecasting Model System For Flood Disaster

El Mabrouk Marouane 1, Cherrat Loubna 1, Ezziyyani Mostafa 2, Essaaidi Mohammad 1

1 : Abdelmalek Essaâdi University laSIT, Faculty of Sciences Tetuan; 2 Abdelmalek Essaâdi University laSIT, Faculty of Sciences and Techniques Tangier;

Résumé

In a Decision Support System (DSS), a computer system must allow the decision maker to choose the best possible decision, often before a given date. The objective of our work is to extend the notion of flood forecasting in an environment constrained by time, it means to consider the real-time aspects of a forecast DSS. The way we chose for designing such system is the use of Anytime techniques. Anytime techniques are techniques aimed to give information systems the possibility to provide results whose quality and accuracy evolve according to allowed time. In this paper, we propose ANY2FC (Anytime Flood Forecasting), a model of real-time flood forecasting based on Anytime techniques.

Mots clés: **flood; forecasting; real-time; decision tree; Anytime algorithm**