Modélisation Hydrologie Approfondie

Component

École Nationale Supérieure d'Électrotechnique d'Électronique d'Informatique d'Hydraulique et des Télécommunications

In brief

> **Code:** NEHS3C

Presentation

Objectives

Qualitative et quantitative description of the water cycle processes
Knowledge of available models for each of these processes
Ability to propose and establish adequate model
Be aware of models limitations
Keep in touch with research advances

Description

Down to basics: why models?
Processes involved in the hydrologic cycle (Interception and snow melt, Evapotranspiration, Infiltration, Surface flow, ...): description and common models
Some examples of rainfall-runoff models
Calibration/Validation : procedure and potential pitfalls
Modelling dedicated to flood prediction

Pre-requisites

Useful info

Place

> Toulouse