

Sediment Transport and Morphodynamics



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- **plugin.odf-inp:PLUGINS_ODF_COURSE_NBHOURS_TXT:** 17,5
- **Code ELP:** N9EM11C

Presentation

Objectives

Introduction to the physical processes of sediment transport by flows and methods estimating sedimentary fluxes and the resulting changes in the bottom.

Description

- I. Geomorphology of coastlines and rivers
- II. Local processes and morphodynamic models
- III. Sediment properties
- IV. Setting in motion
- V. Modeling of Carriage Transport
- VI. Transport modeling by suspension
- VII. Multi-phase modelling approaches