



Ministère de l'Agriculture, de l'Agroalimentaire et de la Forêt  
Ecole nationale du Génie de l'Eau et de l'Environnement de Strasbourg

## Contractual lecturer in quantitative hydromorphology

### PROFESSIONAL ENVIRONMENT

ENGEES is a French « grande école » which trains engineers and executives to be directly operational in the sectors of water, environmental protection, infrastructure and land-use planning. ENGEES lecturers and professors conduct research projects within research units (UMR) that are common with Strasbourg University, CNRS or IRSTEA. The lecturer to be hired will join the "hydro-system" axis of the UMR LIVE.

### POSITION AIMS

The lecturer will have teaching duties in initial formation (bachelor degree, engineer formation), with various implementations (courses, practical exercises, projects).

He/she will join a pluridisciplinary research team working on fluvial hydro-system restoration projects.

### MISSIONS AND TASKS

Teaching in fluvial geomorphology, GIS and geomatics, river and aquatic system restoration.

Research on the following topics: fluvial geomorphology, assessment and modeling of sediment transport (bedload) and fluvial morphodynamics, ecological restoration of aquatic and riverine habitats. Research activities will rely on the studies currently developed in the lab, on ecological restoration and morpho-sedimentary monitoring of restored fluvial hydro-systems.

### RELATIONSHIPS

Scientific community in fluvial geomorphology, hydrology, and environmental sciences, ZAEU (<https://zaeu-strasbourg.eu/>). Regional and local authorities. Hydreos competitive cluster. Engineering companies working on the physical functioning and the ecological state of running waters.

### REQUIRED SKILLS

#### KNOWLEDGE

The applicant should have a PhD thesis in quantitative fluvial geomorphology. Analysis of aerial photographs, topographical surveys, bathymetric surveys, LIDAR, survey of sediment dynamics (tracking, grain size measurements...). Skills in hydraulic and morpho-sedimentary (1D, 2D) modelling, and in photogrammetry are highly desirable. Links with ecology will be appreciated but are not indispensable.

## KNOW-HOW

Pedagogical skills.

Proved abilities in scientific publishing.

Ability to develop pluridisciplinay approaches.

## CONTACT PERSONS

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