

LABORATORY ENVIRONMENT, CITY, SOCIETY - EVS

PROMOTING RESILIENT TERRITORIES, A CENTRAL ISSUE IN GEOGRAPHICAL SCIENCES

<https://umr5600.cnrs.fr/fr/accueil>

EVS

Environnement,
Ville & Société



RESEARCH TOPICS

● HEALTH AND ENVIRONMENTS

● FLOWS AND CIRCULATIONS

● OBJECTS AND URBANIZATION

● SOCIO-ECOSYSTEMS

● MAKING TERRITORY, MAKING SOCIETY

● RESEARCH IN
MULTIDISCIPLINARY
SITUATIONS

● NUMERICAL SPATIALITY AND
GEOMATICS

CROSS-CUTTING THEMES

TWO SHARED GEOGRAPHICAL FOCUS:

● RIVERS AND CATCHMENTS

● URBAN ENVIRONMENTS

RESEARCH RESOURCES AND TOOLS

- **Spatial Engineering, Remote Sensing and Geomatics (ISIG):** Spatialized information processing tools, airborne data acquisition (vectors: drone/ultratrike, sensors: LiDAR, hyperspectral, NIR, Thermal camera etc.)
- **Observation and Measurement of Current and Ancient Environments (OMEAA):** Platform co-operated with Archéorient, dedicated to field metrology and laboratory analysis, ex situ experiments of river dynamics or climatic effects, etc.
- **Surveys, Documentation, Valorization, Scientific Monitoring (ED2VS):** Platform for monitoring and pooling human and material resources, for questionnaires and interviews

KEY FIGURES

336

staff including **116** teacher-researchers, **30** researchers, **156** PhD students and post-doctoral fellows and **34** research support staff

Over the last 5 years:

1,727

publications

9

prizes and distinctions including **1** CNRS crystal, **1** BSG Linton award, **2** prizes from the Société Hydrotechnique de France

78

public funding (some in multi-partners involving private partners) including **3** European ERDF projects, **12** ANR, **2** IRP-CNRS (Brazil and India)

15

private funding: **8** research contracts, **3** sponsorship agreements, **1** operating license, **2** startups

ENVIRONNEMENT, VILLE, SOCIÉTÉ - EVS



FOCUS ON

FROM THE LABORATORY TO THE SOCIO-ECONOMIC WORLD

- EVS researchers work on territorial issues and are thus very involved with the socio-economic world and in particular local authorities.
- Partnerships exist with the city of Lyon, several ministries, regions, water agencies, communities of municipalities but also the European Union via the ERDF, the French office of biodiversity, and companies involved in the territories such as EDF, CNR, Veolia, SNCF, Bouygues construction, Lafarge.

- **GeoPeka, a start-up from ENS de Lyon**, relies on a privileged partnership with the EVS-ENS geomatics team. It is strongly involved in the understanding of river processes.
- **The «Living Together in the City of Tomorrow» Chair** brings together stakeholders from research, major players in housing and construction, public and private (the Lafarge group, the Habitat & Humanisme association and three social landlords from the Lyon conurbation), as well as the Lyon Métropole community.
- **EVS is one of the founding laboratories**, LabEx IMU (Intelligences des Mondes Urbains), and DRIHM, Interdisciplinary Research Device on Human-Environment Interactions and participates in the development of interdisciplinary research infrastructures on the Lyon Saint-Étienne site, as part of the Investment for the Future Program (EUR H2O'Lyon, Convergence Institute).

Institutional partnership

Consortium set up as part of a call for projects ANDRA (National Agency for the Management of Radioactive Waste) with a multidisciplinary team including the CEA. Role of the laboratory: expertise on the situation radioactive waste in France and Great Britain; expertise in domestic waste management in France; expertise in industrial risk management.

Private partnership

Prestation on behalf of the Ardèche Fishing Federation: Realization of a Thermal Infrared aerial acquisition from ultratrike. Processing of associated data to determine thermal refuges for fish stands.

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