



4th edition

9 - 13 November 2026

Angers



BIOGEO2D

When the sediment interface speaks in colors: revealing a 2D biogeochemical world



PLENARY LECTURES

- » DET 2D gels: methodological context, developments
- » Micro-scale biogeochemical processes highlighted by 2D gels
- » Hyperspectral imagery: a powerful tool
- » Biogeochemical heterogeneity in seagrass meadows
- » Macrofaunal/meiofaunal bioturbation
- » Contextualising the fieldtrip: the Brillantes mudflat in the Loire estuary



WORKSHOPS

- » Preparation, mounting and calibration of 2D gels
- » *In situ* 2D gel analysis using a lab truck
- » Hyperspectral image processing
- » 2D image modelling for flux calculations
- » Fun workshop : make your own custom tools



PARTICIPANT PROFILE

- » PhD & master students
- » Postdocs
- » Researchers, engineers & technicians
- » Environmental consultancies & agencies

Contact

 @AngersAutumnSchool

 autumn-school-sciences@listes.univ-angers.fr



For more information and inscription

University of Angers, France
Laboratory of Planetology and
Geosciences (LPG)





Program



MONDAY 9

Welcome coffee

Scientific plenary lectures :

- DET 2D gels: methodological context, developments
- Micro-scale biogeochemical processes highlighted by 2D gels
- Hyperspectral imagery: a powerful tool

Workshops:

- Preparation, mounting and calibration of 2D gels
- Fun workshop : make your own custom tools

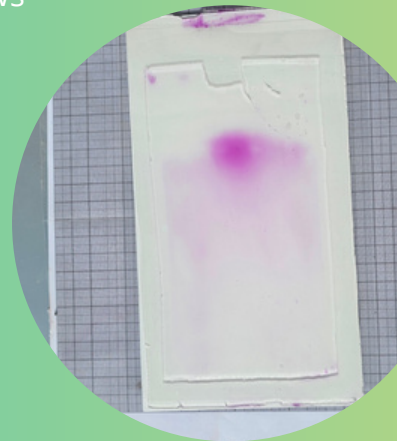
TUESDAY 10

Scientific plenary lectures:

- Biogeochemical heterogeneity in seagrass meadows
- Macrofaunal/meiofaunal bioturbation

Workshops :

- Preparation, mounting and calibration of 2D gels
- Fun workshop : make your own custom tools



WEDNESDAY 11

Fieldtrip to the Loire estuary at Brillantes mudflat:

- 2D gel deployments and analyses

THURSDAY 12

Workshops :

- Hyperspectral image processing
- 2D image modelling for flux calculations

FRIDAY 13

Scientific plenary lectures:

- Contextualising the fieldtrip: the Brillantes mudflat

Data analysis and synthesis

Final drink

Laboratory of Planetology and Geosciences (LPG)

João Barreira
Matheus Cavalcante
Patrick Launeau
Edouard Metzger
Aurélia Mouret

Lecturers and
instructors

Invited speakers

Florian Cesbron, CNAM INTECHMER, LUSAC
Aubin Thibault de Chanvalon, IPREM
Vincent Bouchet, University of Lille, LOG
Kasper Elgetti Brodersen, Roskilde University

