



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



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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

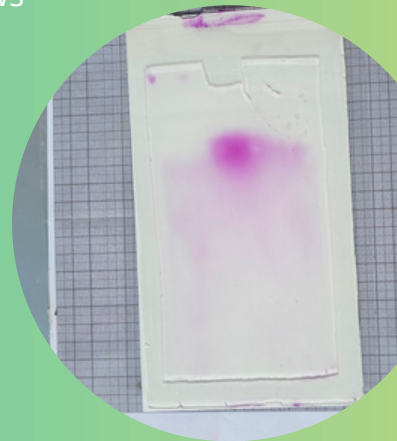
TUESDAY 10

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



**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

**Laboratory of Planetology and
Geosciences (LPG)**

João Barreira
Matheus Cavalcante
Patrick Launeau
Edouard Metzger
Aurélia Mouret