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Biochem-Env, The environmental biochemistry for research

Nathalie Cheviron, Virginie Grondin, Sylvie Nelieu, Olivier Crouzet, Mickael Hedde, Christian Mougin

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BIOCHEM-ENV,

The environmental biochemistry for Research

Chevron Nathalie^{1,2}, Grondin Virginie^{1,2}, Nélieu Sylvie^{1,2}, Olivier Crouzet², Mickaël Hedde² and Mougin Christian^{1,2}

(1) Plateforme Biochem-Env, INRA, UR251 PESSAC, Route de St-Cyr, Versailles cedex

(2) INRA, UR251 PESSAC, Route de St-Cyr, Versailles cedex

GENERAL CONTEXT

The platform Biochem-Env is a technical platform supported by the project ANAEE-F and dedicated to the study of continental ecosystems, terrestrial and aquatic.

The platform Biochem-Env represents a strategic service for analysing ecosystems (soil, sediment, macrofauna) in the field of environmental biochemistry. Its equipment allows an increase of the analytical throughput, based on robotics, as well as on standardized protocols.



L2 laboratory

INNOVATION FOR ENVIRONMENTAL BIOCHEMISTRY

Feasibility study, help for project building,



Robotisation of experimentations

Advice, expertise and training

Data analysis

Sampling

PLFA measurements

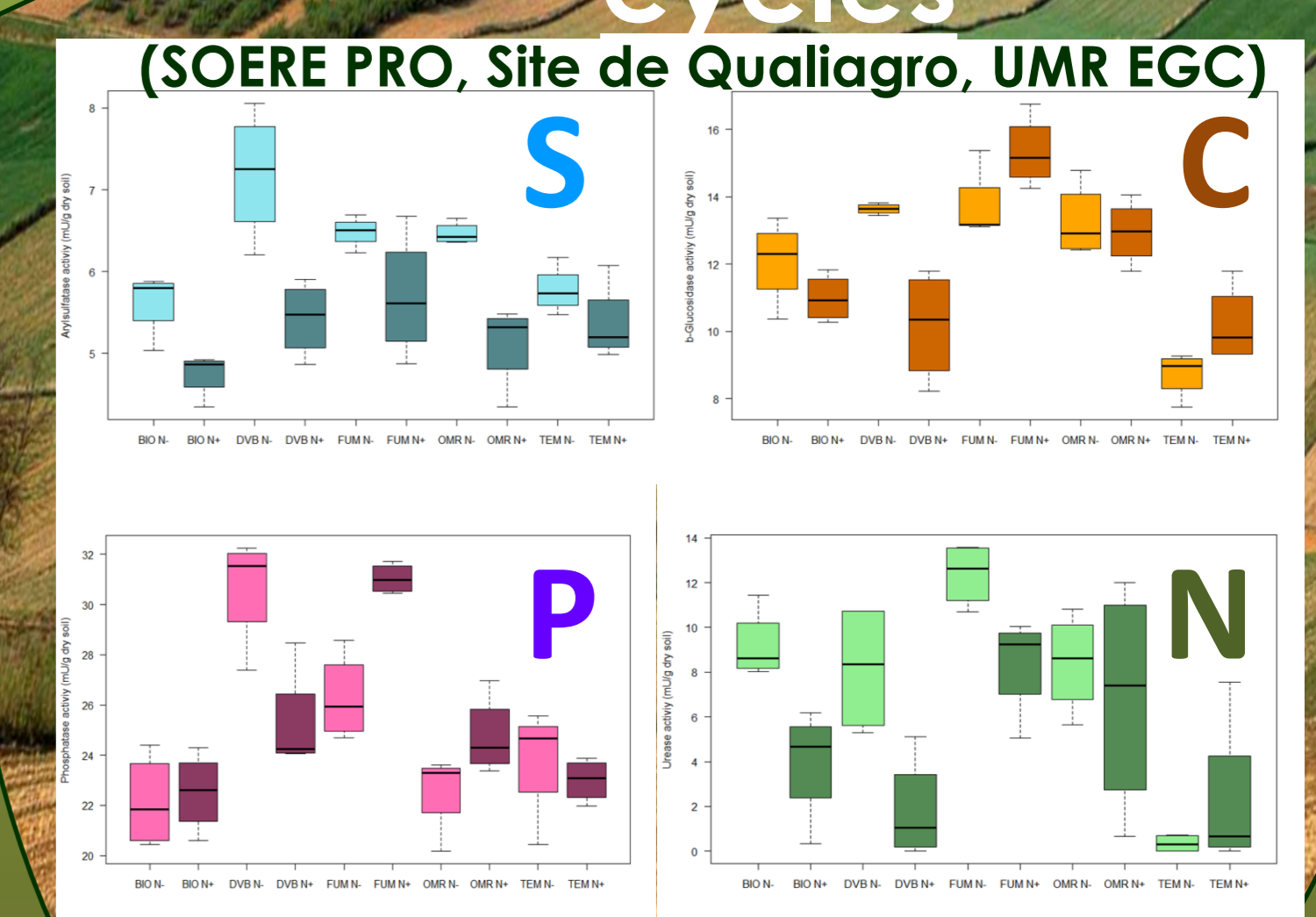
Soil and sediment enzymology

Respirometry

Biochemistry of organisms

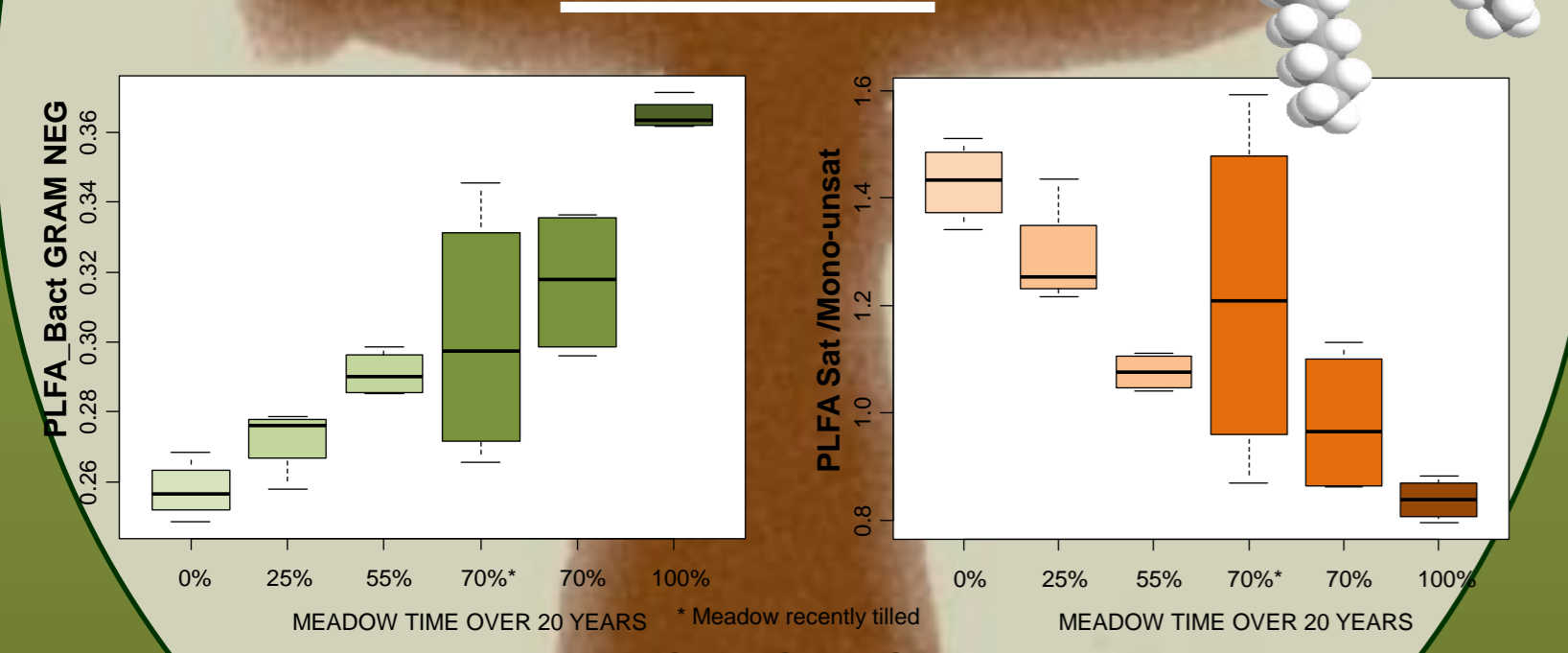


Enzymatic activities of biogeochemical cycles



organic amendements and biological functioning of soils

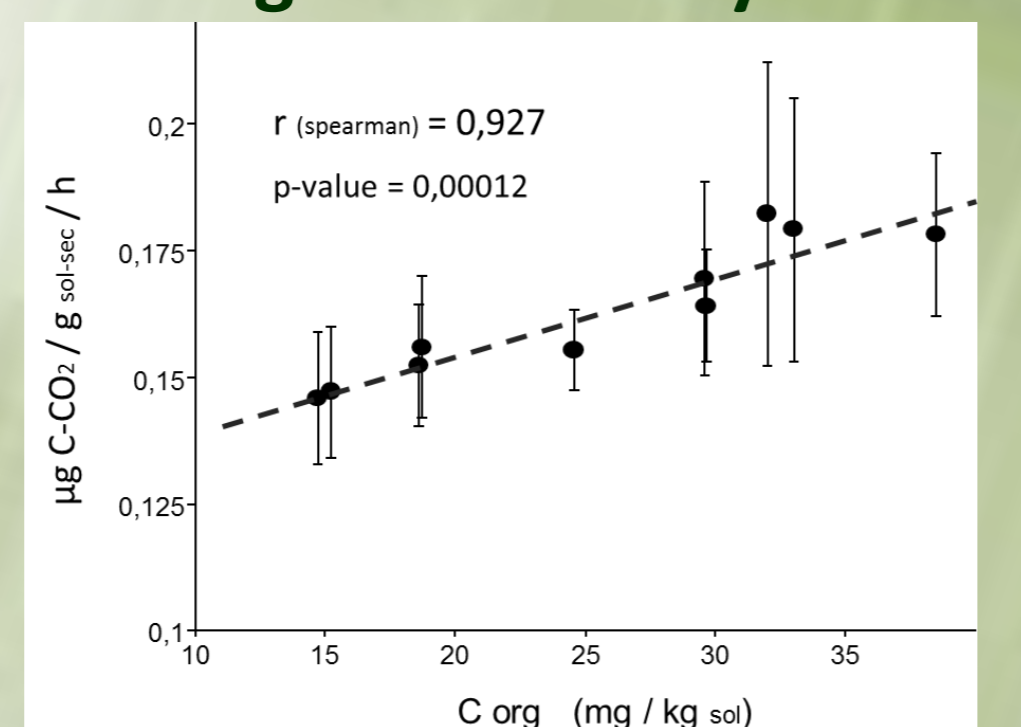
Membrane components as a tool to differentiate sites or evidence stresses



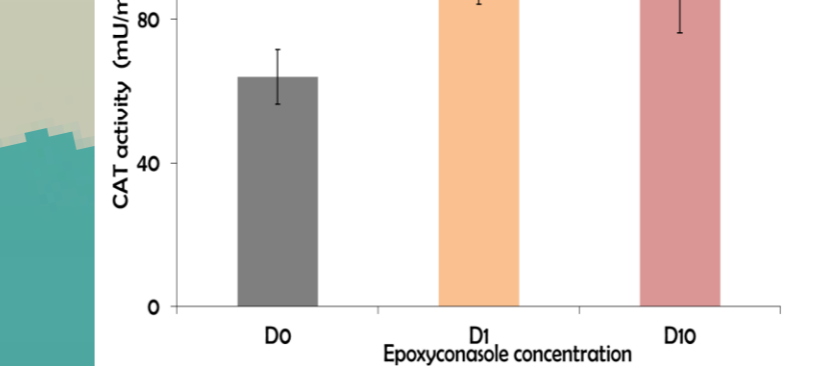
Lipidic indicators

Metabolism

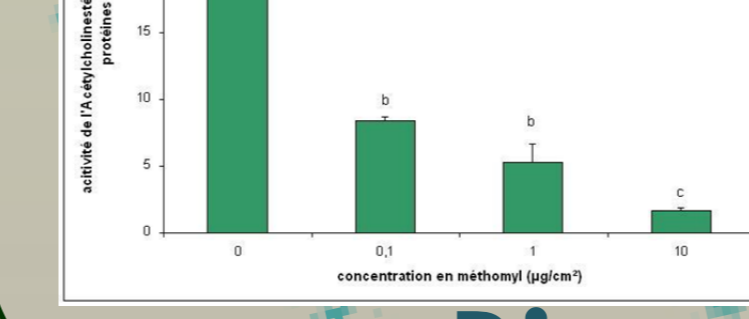
Carbon mineralisation and OM gradient after irrigation for 80 years



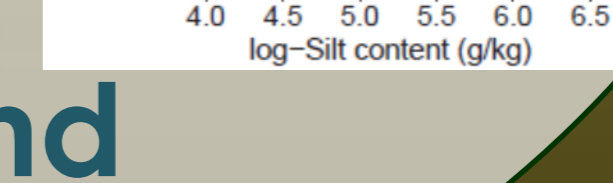
Catalase



AChE



Lipids



Biomarkers and metabolic indicators

EXEMPLES of APPLICATIONS



EQUIPE

- 1 Ingénieur
- 2 techniciens
- 3 scientific experts
- 3 QHSE experts
- 1 Informaticien



Biochem-Env

Unité PESSAC
INRA Versailles, Rte de St Cyr
78026 VERSAILLES cedex
www.biochemenv.fr



CONTACTS

Christian Mougin
christian.mougin@versailles.inra.fr
01 30 83 37 58

Nathalie Chevron
nathalie.chevron@versailles.inra.fr
01 30 83 39 87