



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

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(1) Plateforme Biochem-Env, INRA, UR25 I PESSAC, Route de St-Cyr, Versailles cedex

(2) INRA, UR25 I PESSAC, Route de St-Cyr, Versailles cedex

GENERAL CONTEXT

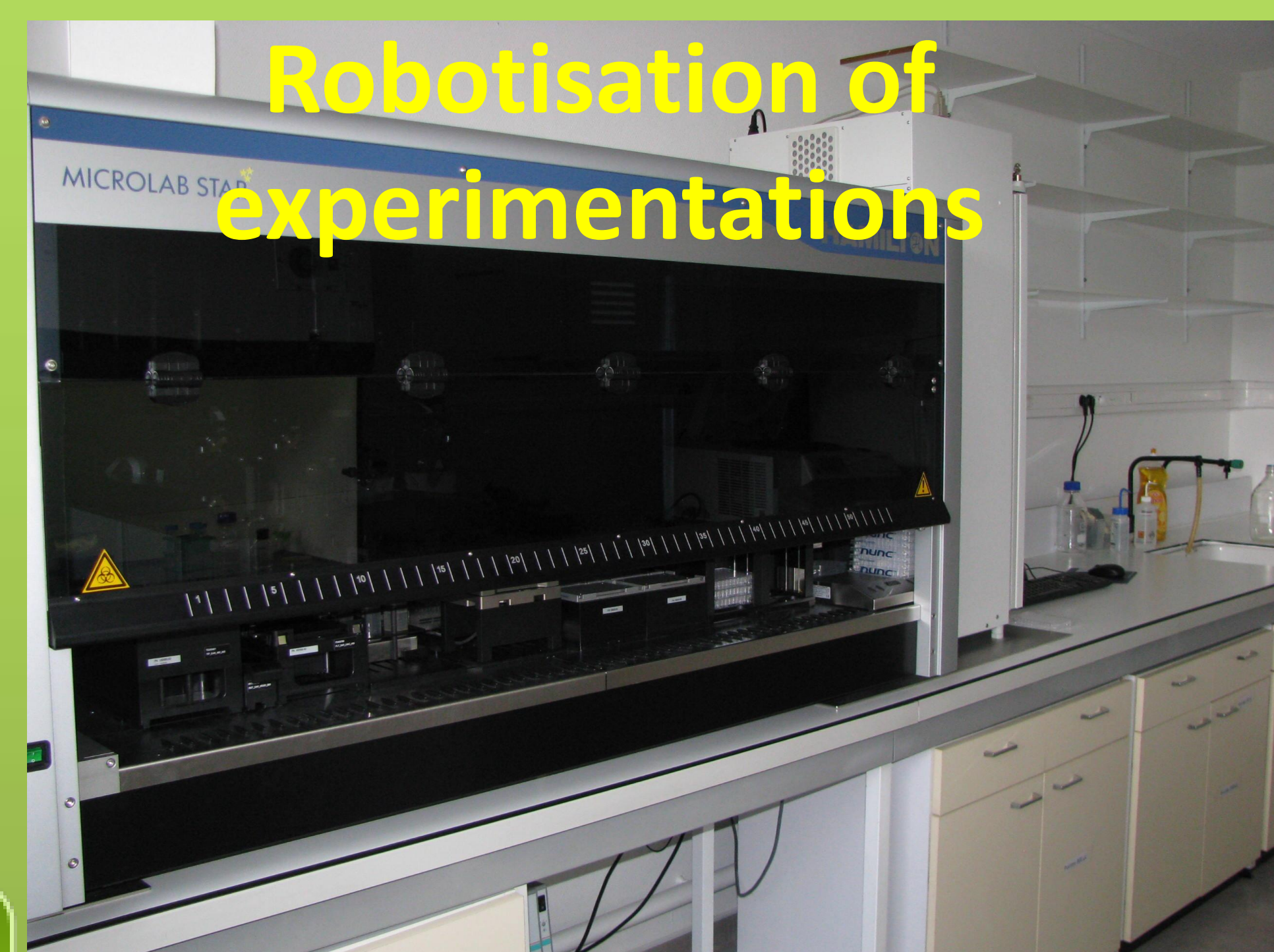
The platform Biochem-Env is a technical platform supported by the project ANAEE-F and dedicated to the study of continental ecosystems, terrestrial and aquatic.

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.



INNOVATION FOR ENVIRONNEMENTAL BIOCHEMISTRY

Feasibility study, help for project building,



Advice,
expertise and
training

Data
analysis

Sampling

PLFA
measurements

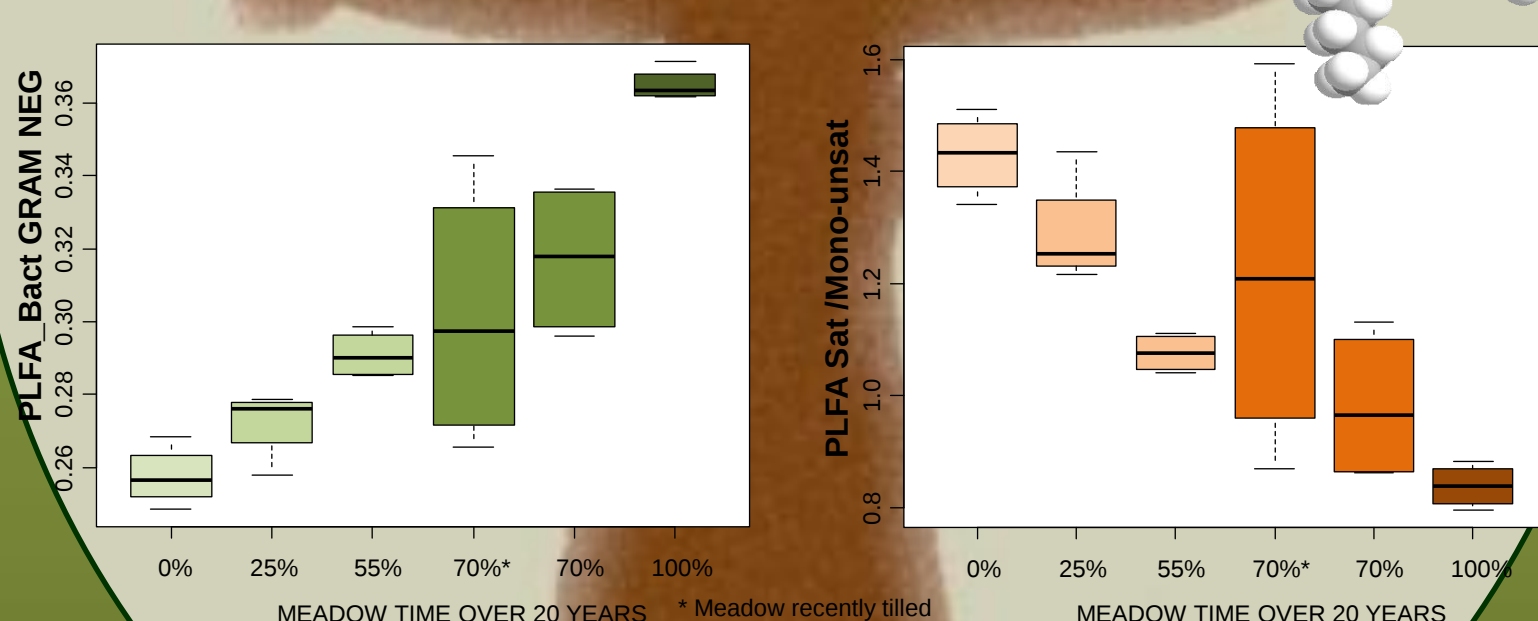
Soil and
sediment
enzymology

Respirometry

Biochemistry
of organisms



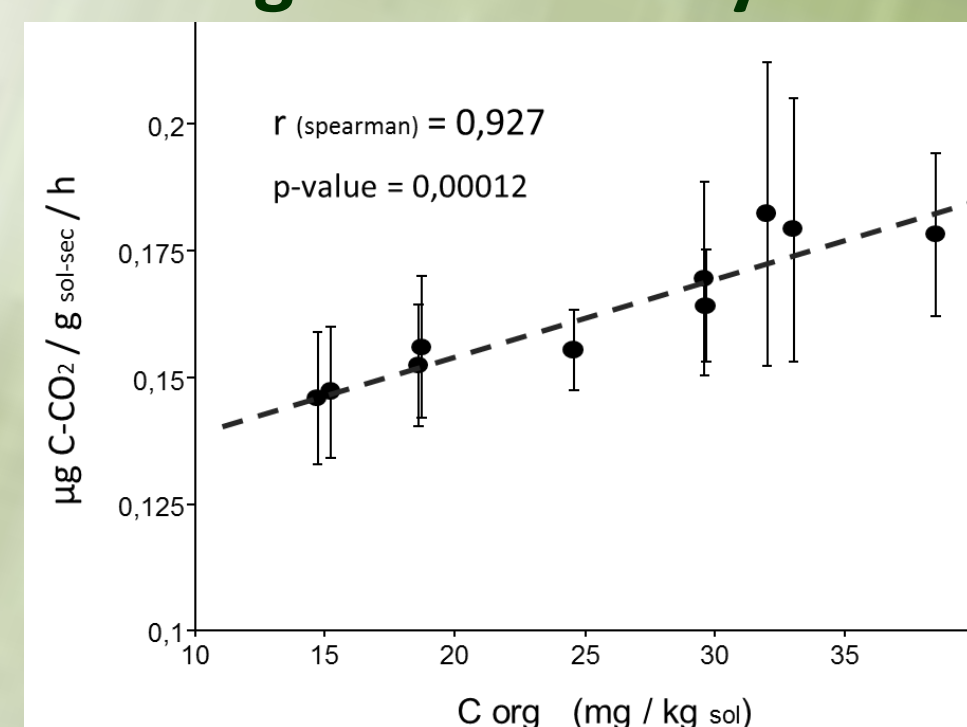
Membrane
components as a
tool to differentiate
sites or evidence
stresses



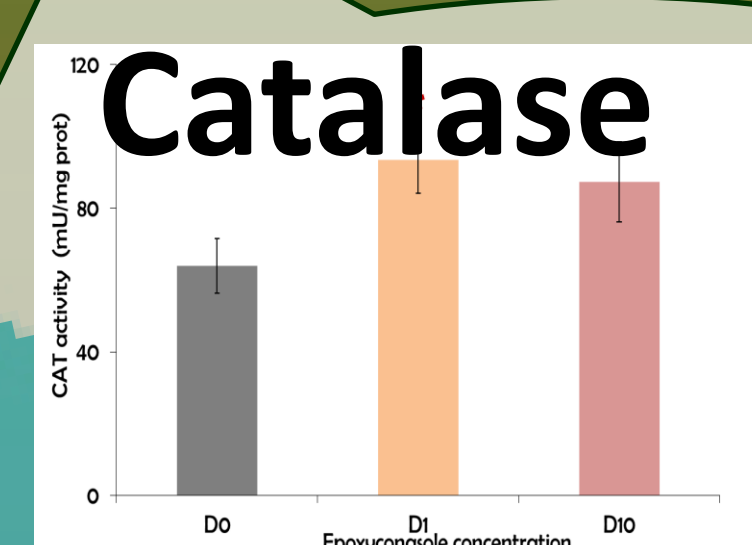
Lipidic
indicators

Metabolism

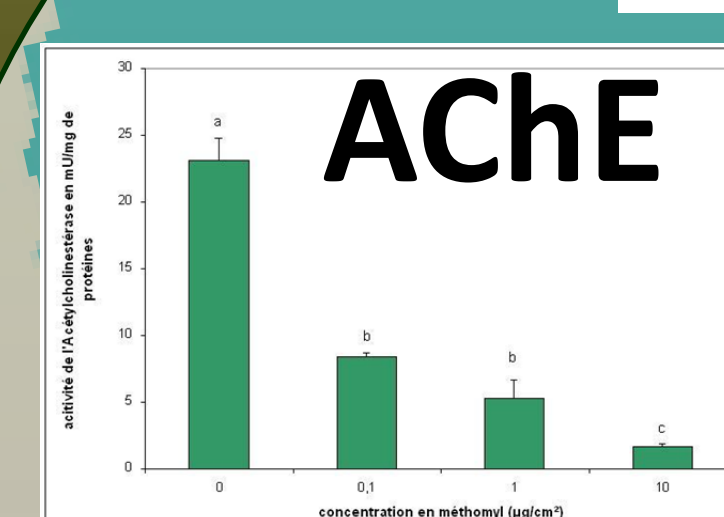
Carbon minéralisation and OM gradient
after irrigation for 80 years



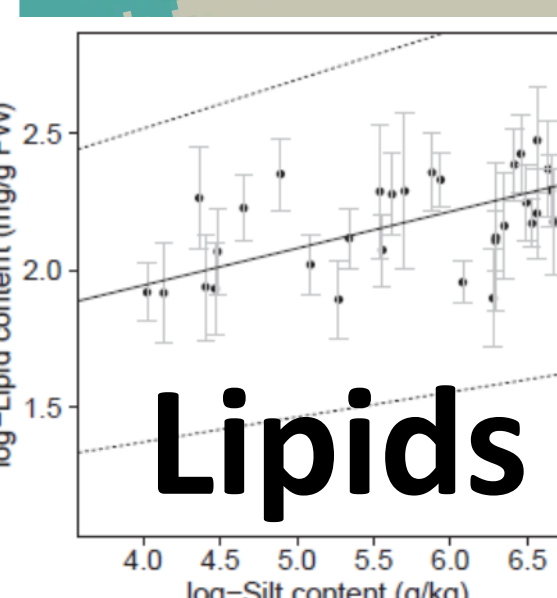
Catalase



AChE

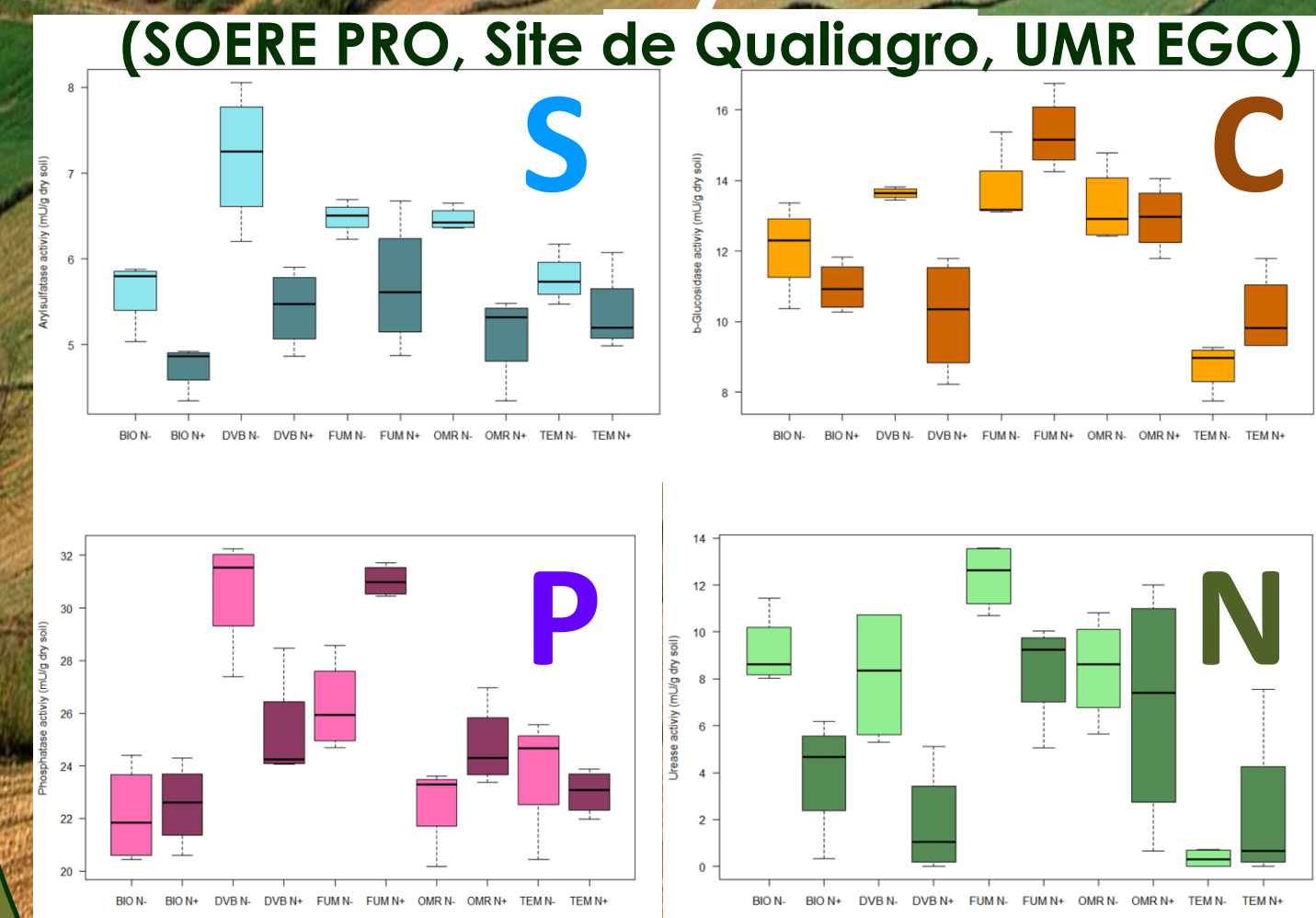


Lipids



Biomarkers and
metabolic indicators

Enzymatic
activities
of biogeochemical
cycles



organic amendements
and biological
functioning
of soils

EXEMPLES of APPLICATIONS

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

EQUIPE

