



Biochem-Env, a platform of environmental biochemistry for research in ecology and ecotoxicology

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

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BIOCHEM-ENV,

The environmental biochemistry for Research

Cheviron 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, 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.

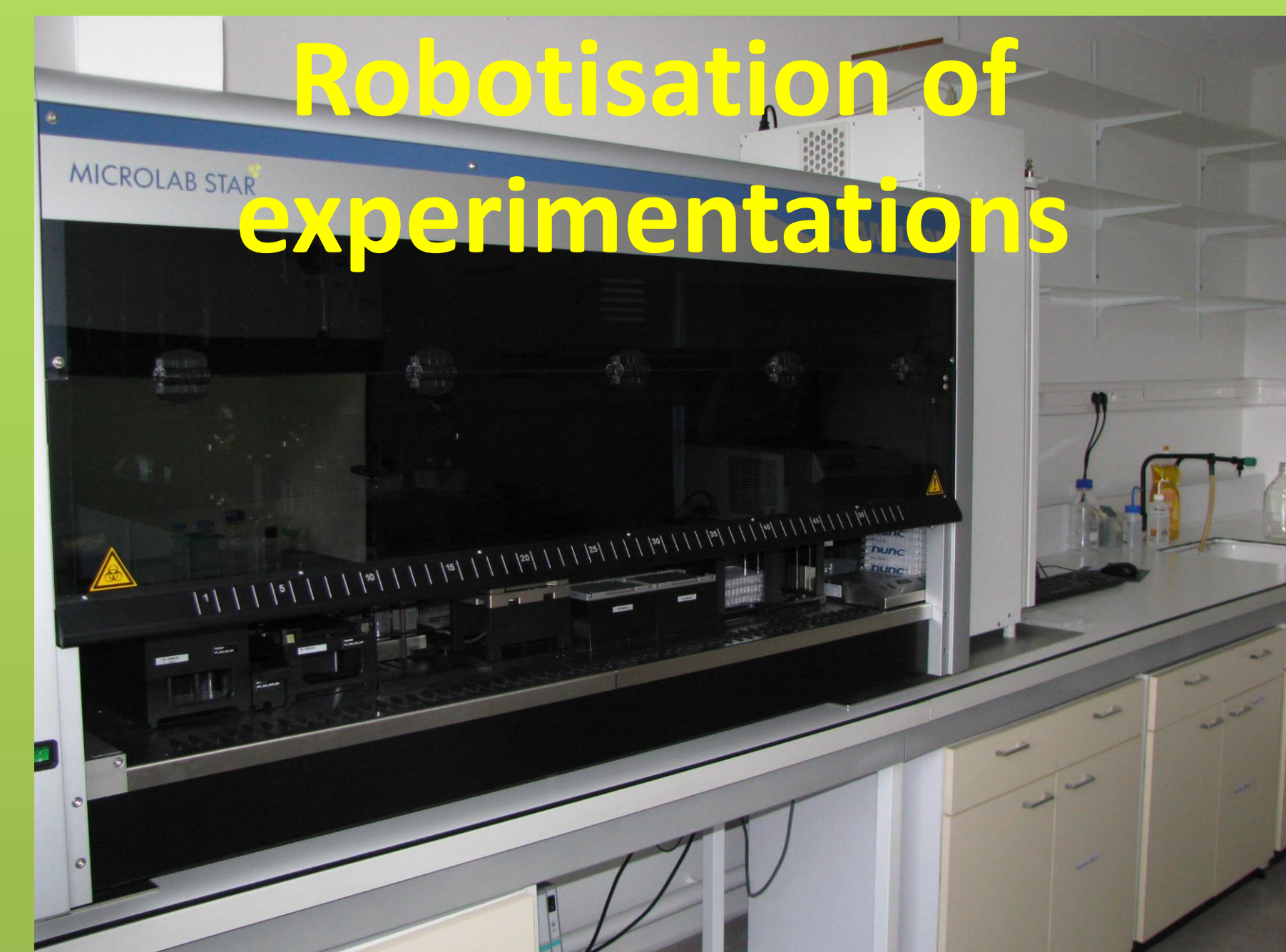
L2 laboratory



INNOVATION FOR ENVIRONNEMENTAL BIOCHEMISTRY

Feasibility study, help for project building,

Robotisation of experimentations



Data analysis

Advice, expertise and training

Sampling

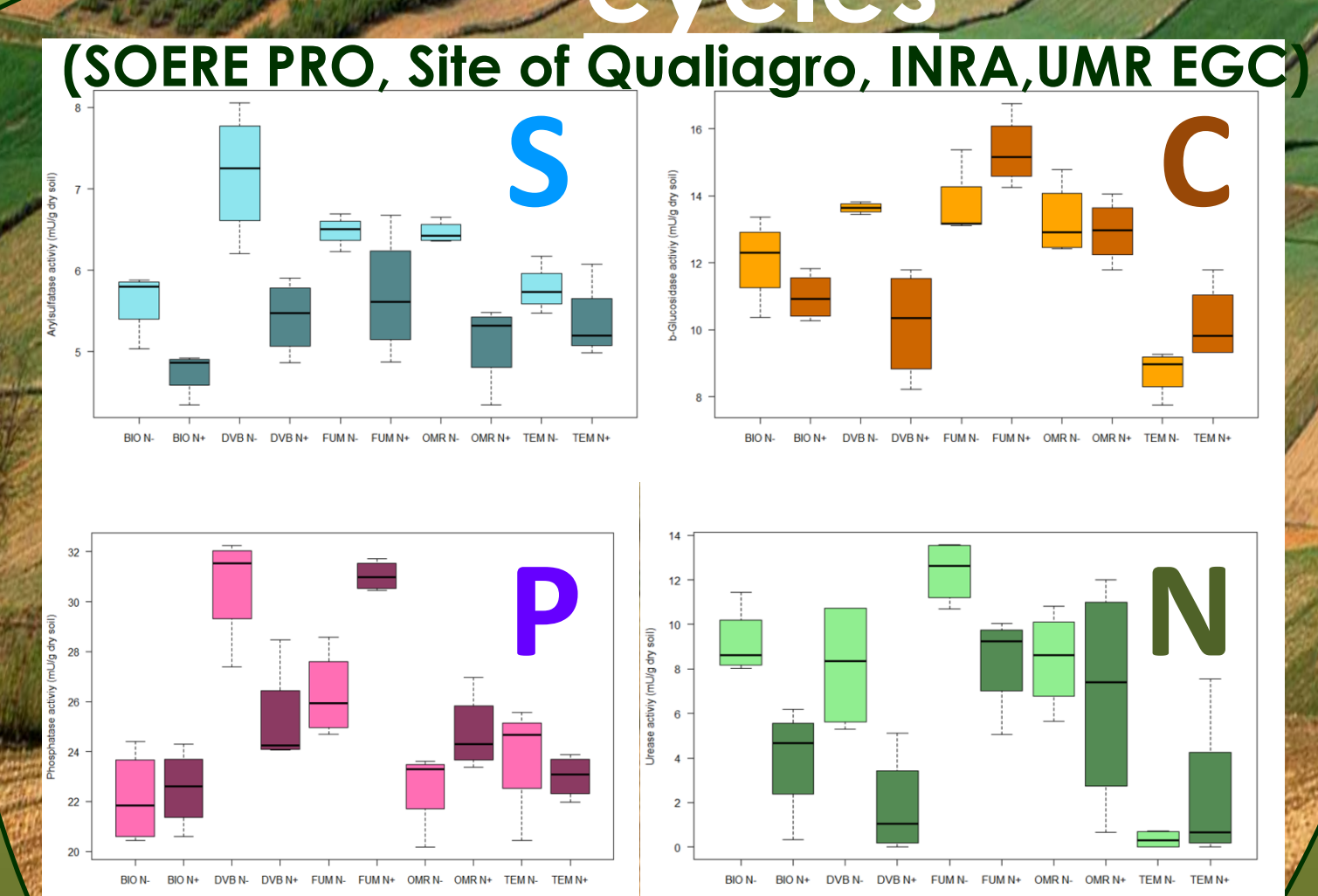
PLFA measurements

Respirometry

Biochemistry of organisms

Soil and sediment enzymology

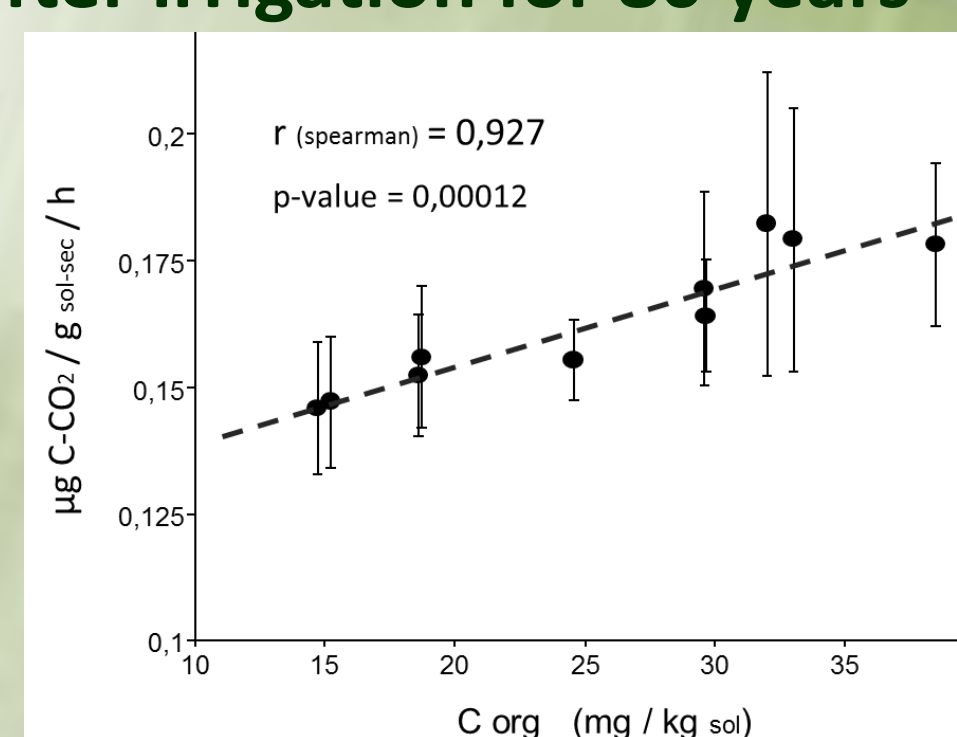
Enzymatic activities of biogeochemical cycles



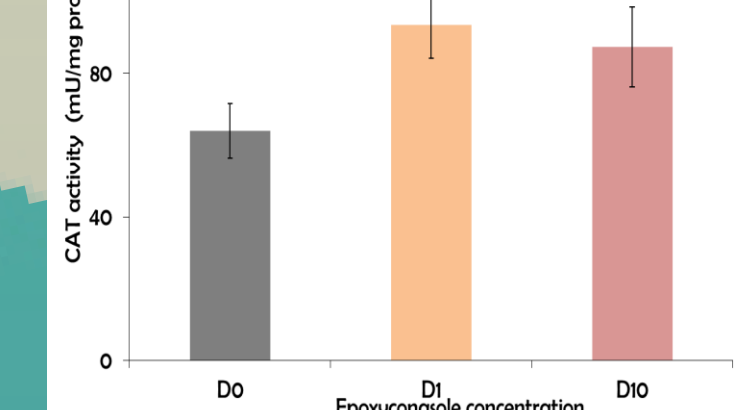
organic amendements and biological functioning of soils

Metabolism

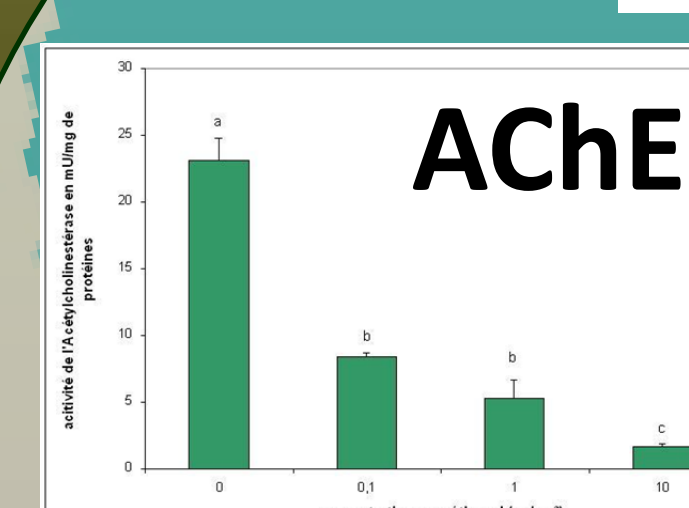
Carbon mineralization and OM gradient after irrigation for 80 years



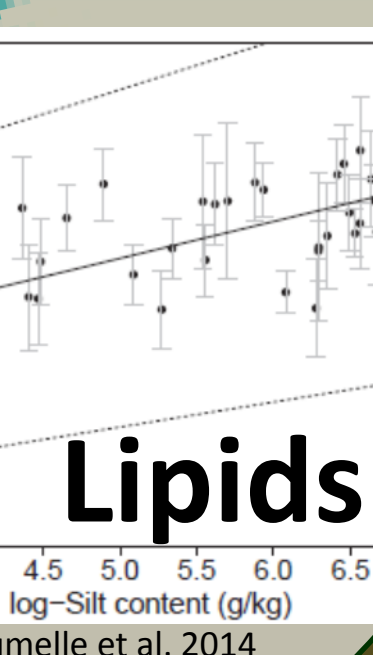
Catalase



AChE



Biomarkers and metabolic indicators



CONTACTS

Christian Mougin

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

Nathalie Cheviron

nathalie.cheviron@versailles.inra.fr
01 30 83 39 87

EXEMPLES of APPLICATIONS

Biochem-Env

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



TEAM

1 Engineer
2 technicians
3 scientific experts
3 QHSE experts
1 IT specialist