Biochem-Env, The environmental biochemistry for research

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Biochem ENV

La biochimie environnementale au service de la Recherche

BESfé 2014

Pessac

INRA SCIENCE & IMPACT

http://www-pessac.versailles.inra.fr

BIOCHEM-ENV,

The environmental biochemistry for Research

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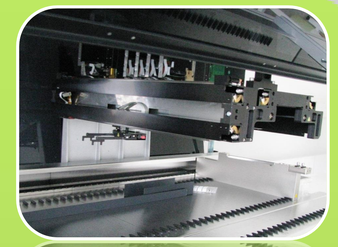
(1)Plateforme Biochem-Env, INRA, UR251 PESSAC, Route de St-Cyr, Versailles cedex

(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

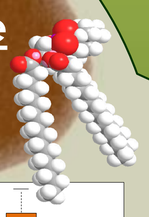
INNOVATION FOR ENVIRONNEMENTAL BIOCHEMISTRY

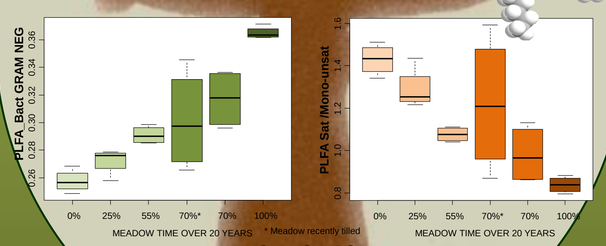
Feasibility study, help for project building,

- Advice, expertise and training
- Sampling
- Soil and sediment enzymology
- Biochemistry of organisms
- Respirometry
- PLFA measurements
- Data analysis

Robotisation of experimentations

Membrane components as a tool to differentiate sites or evidence stresses

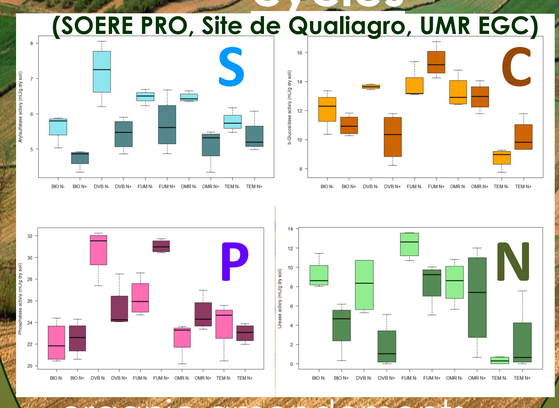




Lipidic indicators

Enzymatic activities of biogeochemical cycles

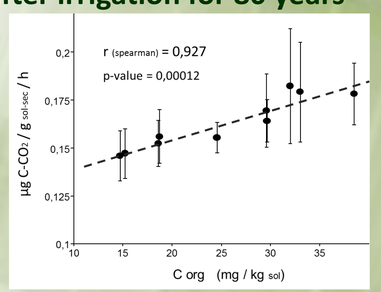
(SOERE PRO, Site de Qualiagro, UMR EGC)

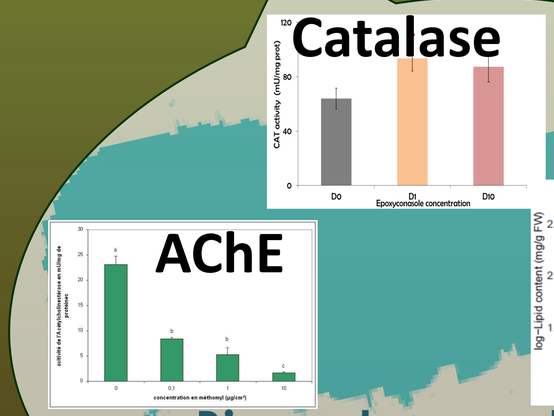


organic amendements and biological functionning of soils

Metabolism

Carbon minéralisation and OM gradient after irrigation for 80 years





Biomarkers and metabolic indicators

EXEMPLES of APPLICATIONS

AnaEE Analysis and Experimentation on Ecosystems France

EQUIPE

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

acknowledgements

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