

RECOTOX: Research sites network in ECOtoxicology-TOXicology to monitor, understand and mitigate the ecotoxicological impacts of pollutants in socio-agro-ecosystems

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## Why RECOTOX?

For many years, the scientific community has pointed out the lack of long-term field and large-scale monitoring of the effects of chemicals on ecosystems. In addition, the ecotoxicological studies carried out involve protocols often far away from the conditions of the real world. Hence, our capacity to elucidate and predict such effects remains limited. In this respect, RECOTOX aims at:

- promoting transversal and integrated research to answer the scientific challenges of understanding and anticipating the environmental and health impacts of pesticides and biocides,
- analyzing the whole chain "pressures-exposures-impacts" by coordinating and increasing the in natura observation and experimentation dedicated to ecotoxicology and toxicology,
- sharing between its constitutive observatories/sites a common culture around ecotoxicology

#### What is RECOTOX?

RECOTOX is a network of sites including six observatories or sites belonging to the SOEREs RBV and/or RZA, several experimental units of the network RMT Quasaprove and three observatories not included in labelled Research Infrastructures. They provide various and complementary agro-pedo-climatic situations.









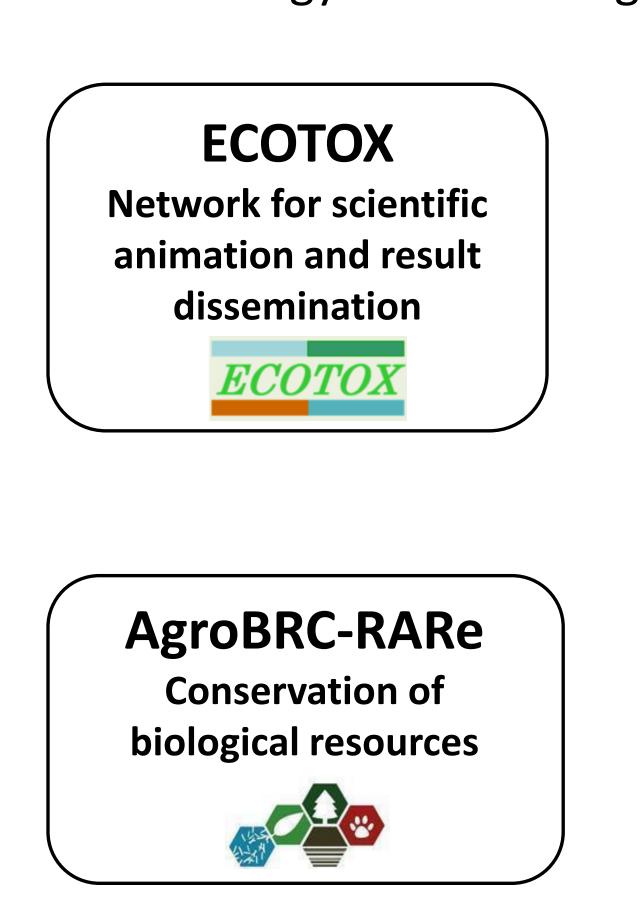
### The project

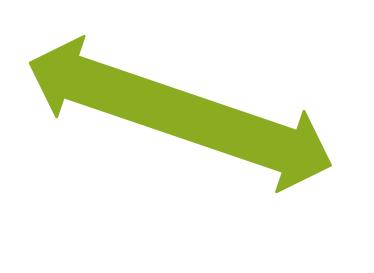
The scientific project of RECOTOX is organized in 5 WPs:

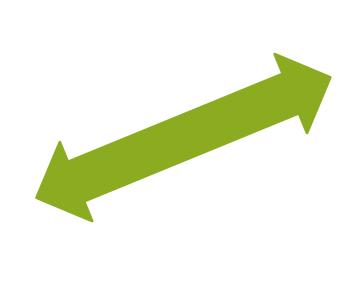
- promotion and organization of a transversal and integrated research on the chain "pressures-exposures-impacts",
- development of multi scale approaches, from the plot to the landscape, in diverse media (soil, water, air, biota)
- development of innovative experimental or measurement methods, standardization,
- development of a focal point for data management and distribution to scientists and stakeholders,
- communication, dissemination and exploitation of results, training.

# Connected infrastructures for research in ecotoxicology and toxicology?

RECOTOX interacts with the major scientific networks and infrastructures dealing with ecotoxicology in France. It is an interface between existing or future Research Infrastructures, intended to provide an added value in the field of ecotoxicology and toxicology.

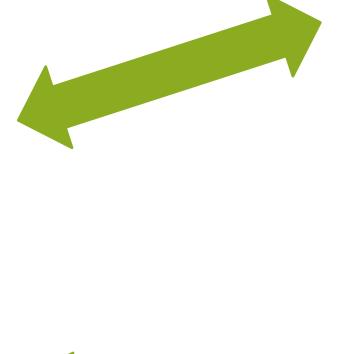




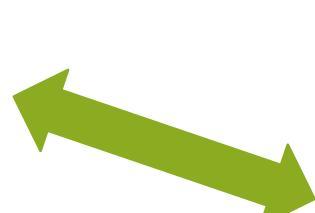


### **RECOTOX**

**Observation and** experimentation in natura in the field of ecotoxicology and toxicology







#### **AnaEE-France** AnaEE-EU

**Experimentation in** controled conditions, analyses and measurements



# Zones Ateliers, eLTER

Long-term response of ecosystems to environmental, societal and economic drivers









