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RECOTOX: A NETWORK OF RESEARCH SITES TO UNDERSTAND AND ANTICIPATE THE ECO-TOXICOLOGICAL IMPACTS OF POLLUTANTS IN AGRO-ECOSYSTEMS

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• Why RECOTOX?

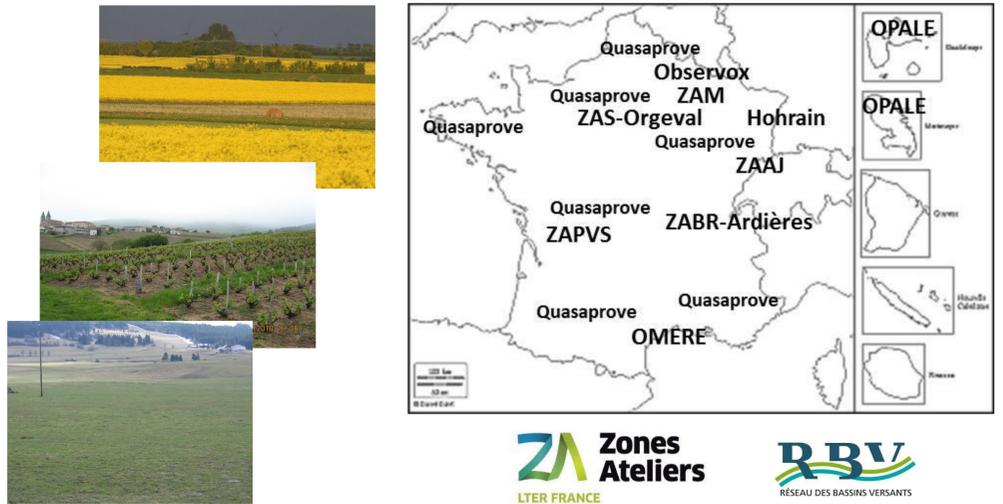
For many years, the scientific community has pointed out the **lack of long-term field and large-scale monitoring** of the **effects of chemicals** on ecosystems. In addition, the ecotoxicological studies carried out involve protocols often **far away from the conditions of the real world**. Hence, our 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

• The sites

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. These sites provide various and complementary agro-pedo-climatic situations.



• The project

The project of RECOTOX is organized in 6 WPs with scientific and transverse issues:

- promoting the network for an integrated and transversal research in ecotoxicology,
- up-scaling approaches in ecotoxicology, from plot to landscape, considering several compartments (soil, water, air, biota),
- from ecotoxicology to toxicology,
- harmonizing analytical methods and measurements, sharing equipment, documentary resources, technological intelligence within the sites,
- developing a focal point to acquire, store, diffuse and archive data for end users at the local and national scale,
- communication, exploitation and dissemination of results.

• To a national infrastructure for research in ecotoxicology?

RECOTOX interacts with the major structures and scientific networks and infrastructures dealing with **ecotoxicology** in France.

