

EQUIPMENTS

Air sampling

pumps, biocollectors, impactors, ...

Fungal culture

incubators, climate chambers

Identification

microscopes, PCR, ...

Culture collection of fungal strains

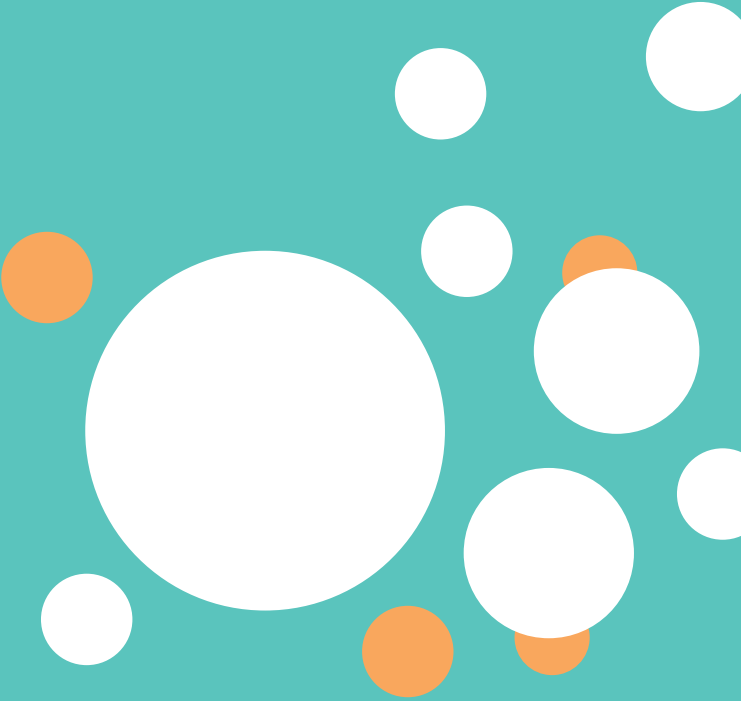
fungal isolates from various environments
(air, plant, environmental matrices, materials, ...)

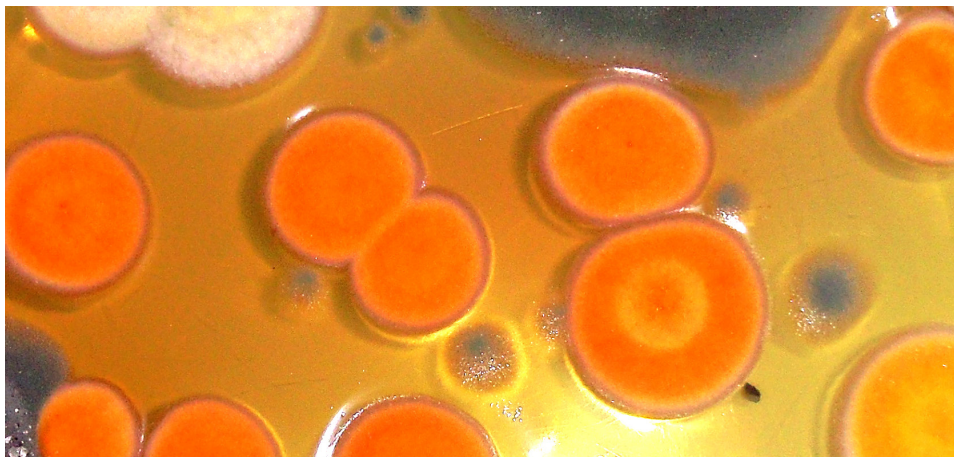
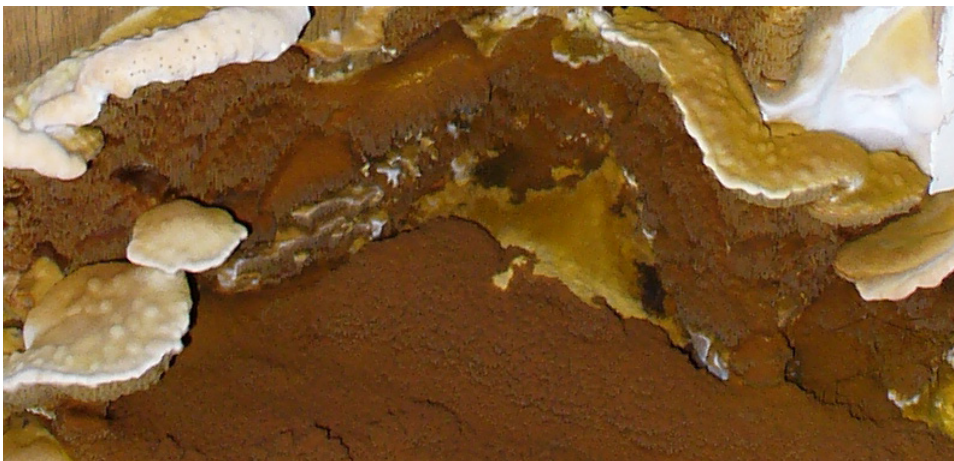
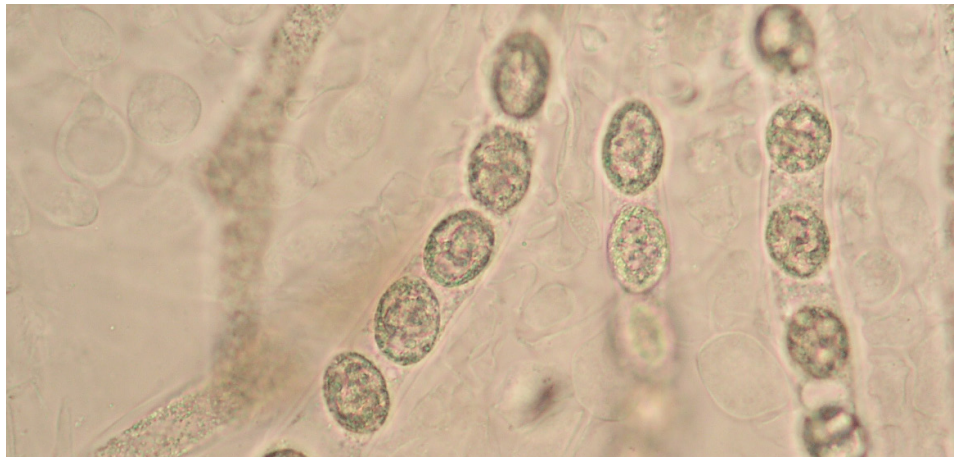
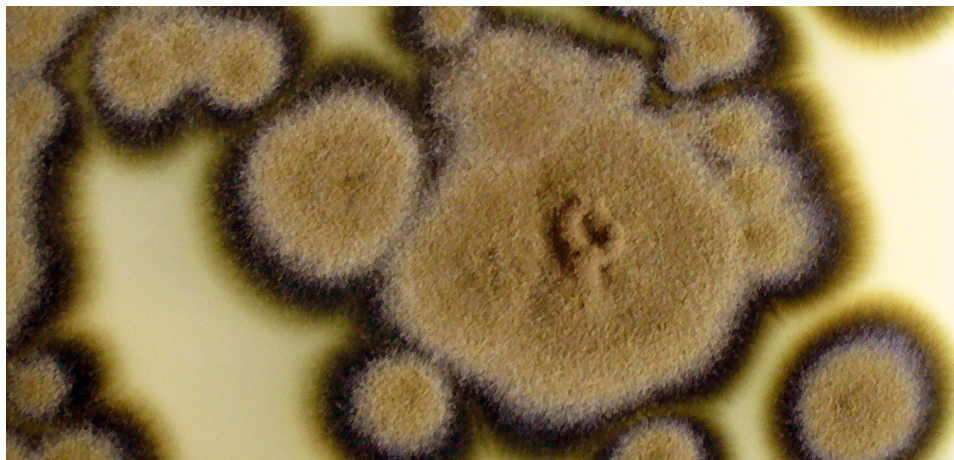
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EREM UNIT

**KNOWLEDGE
AND STUDIES IN MYCOLOGY**





EXPERTISE UNIT EREM

EREM is an expertise unit at the Health Department of the University of Caen Normandy.

The laboratory is located at the Center François Baclesse.

EREM is a specialized laboratory in the field of Mycology and exposure to fungal contaminants.

EREM performs analyses and conducts projects in research and development, and provides advices and recommendations in environment and health on the following issues:

Fungal contamination

Damages in buildings associated to fungi

Indoor air quality (homes, public and private sectors, hospital, agricultural environment)

Degradation of materials by fungi

FIELDS OF EXPERTISE

MYCOLOGY

- Molds
- Wood-decay fungi (Serpula ...)
- Edible and poisonous mushrooms

FUNGAL AIR QUALITY

SERVICES PROPOSED

- Macroscopic, microscopic and molecular identifications of wood-decay fungi: *Coniophora*, *Donkioporia*, *Serpula*, ...
- Detection and enumeration of molds (standards NF EN ISO 16000 16 to 21)
- Microscopic and molecular identifications of molds
- Mold quantification from various matrices & bioaerosols
- Air and surface sampling
- Determination of the fungus resistance on different supports and materials : standard tests AFNOR (NF 41-517), Tappi (T 4787 pm-79), UMA 6006, ASTM G-21, ISO 846, ...
- Research & Development projects (evaluation of the resistance to growth of molds, studies of mycoflora, impact of climatic factors on growth of molds, ...)
- Tests on fungal isolates: growth, cytotoxicity, sensitivity to antifungals, ...
- Quantification of endotoxins and glucans (LAL tests)