

Montpellier European

ECOTRON

cnrs



A user facility offering
advanced experimental platforms for
ecology, agronomy and environmental
sciences

Macrocosms



- 12 units of 2, 4 or 5 m² surface
- 1.5 m depth lysimeters
- vegetation height of up to 2 m
- ¹³CO₂ labelling
- automatic measurements of NEE, Reco, GPP, ET, CO₂, CH₄ and N₂O)
- climatic control (T°C, HR%, CO₂, etc.)

Mesocosms



- 18 units of 1 m² surface
- 1 m depth lysimeters
- vegetation height up to 1.5 m
- ¹³CO₂ labelling, O₃ control
- automatic measurements of NEE, Reco, GPP, ET, CO₂, CH₄ and N₂O)
- climatic control (T°C, HR%, CO₂, etc.)

Microcosms



- 13 phytotron chambers
- 1 m² experimental surface
- 2 m³ volume
- ¹³CO₂ labelling
- led solar simulators
- climatic control (T°C, HR%, CO₂, etc.)
- versatile experimental setups

IsoFlux



- vast array of instruments including IRMS, laser and portable gas exchange analysers (Licor, Aerodyne and Picarro)
- measurements of CO₂, CH₄, N₂O, O₂ and stable isotopes (¹³C and ¹⁸O of CO₂ and ¹⁷O of H₂O, etc.)