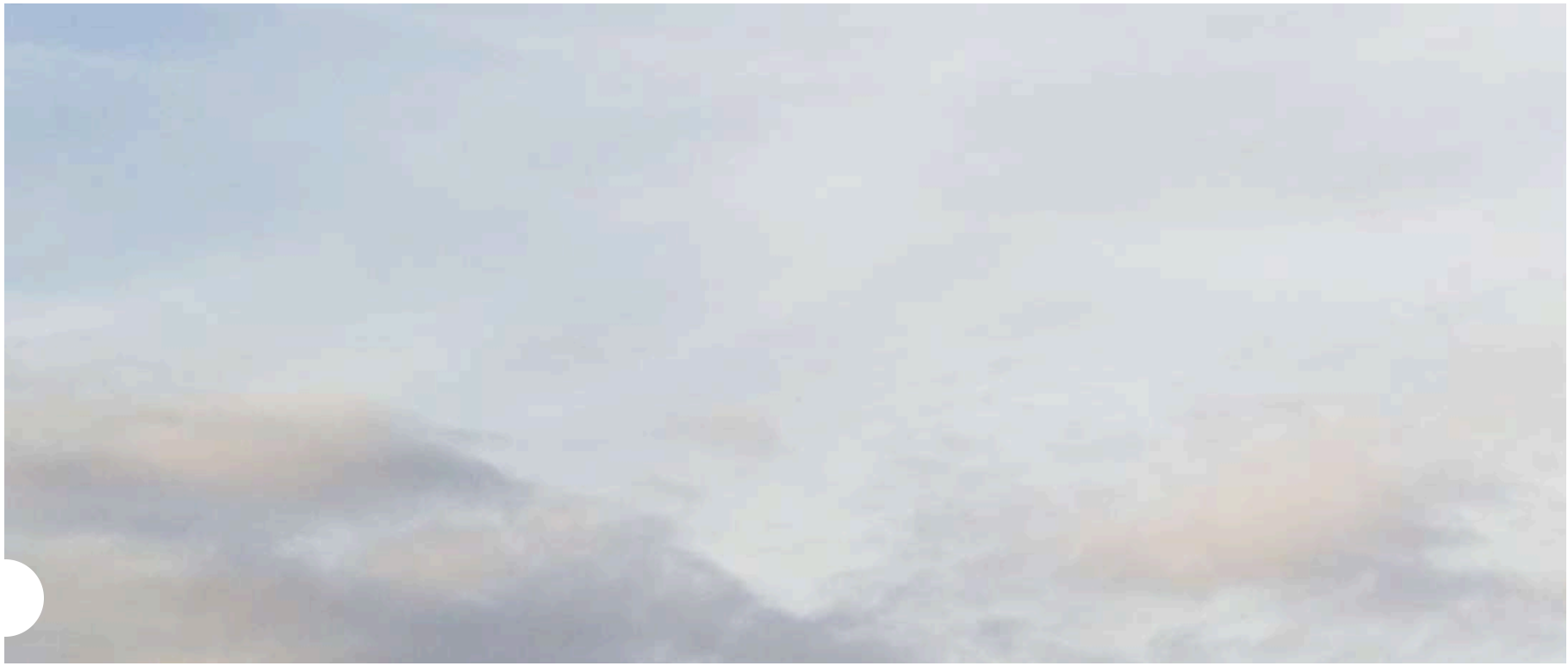
Ecotron Hasselt
Twelve universes in a box



HERE WE UNVEIL THE FUTURE

In twelve gas and airtight Ecotrons, ecologists at the University of Hasselt are working through different scenarios that could become reality in the not-too-distant future. What happens to an ecosystem when air temperature increases or when precipitation tribution, CO_2, or methane content changes? More importantly, how will a plant community react to these climate changes?

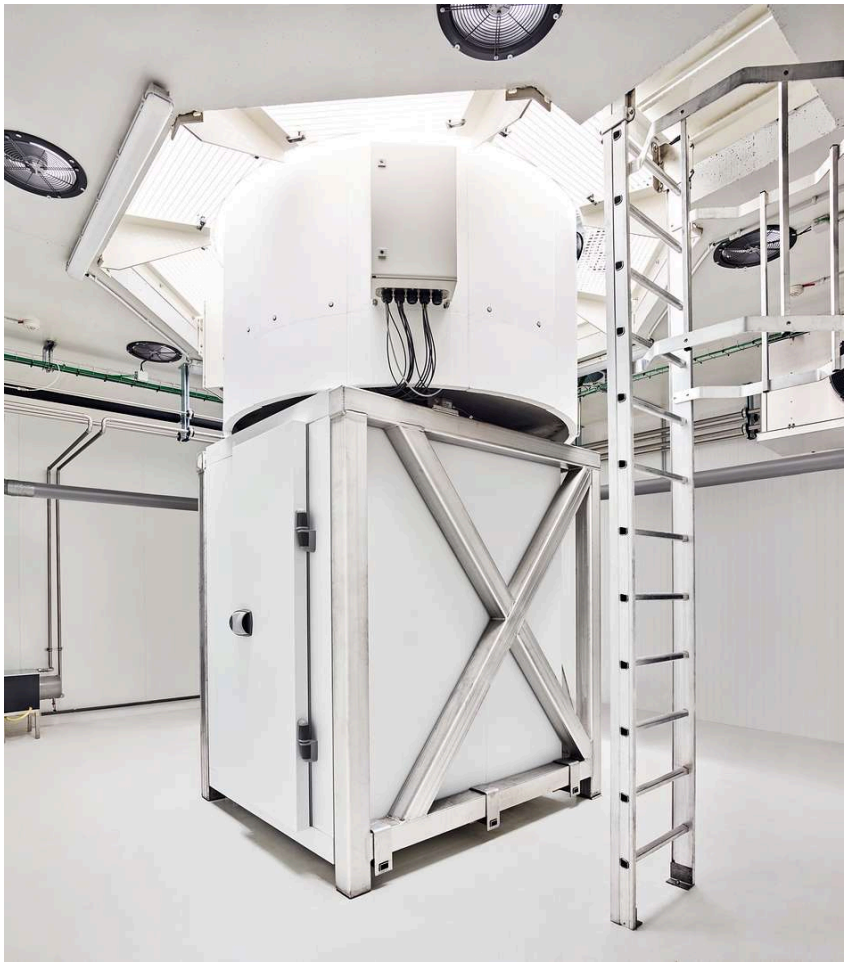
E HEART OF ECOTRON

Consult with an environmental scientist

TALK TO AN EXPERT

A PROJECT THAT PUSHES BOUNDARIES REQUIRES TECHNOLOGY THAT OVERCOMES BOUNDARIES

In Ecotrons, environmental conditions such as air pressure, precipitation, gas composition, and more can be set individually. The only natural parameter is sunlight, which strikes the undisturbed soil column almost unhindered. This allows the development of plant communities under changing conditions to be observed and measured.



The Center for Environmental Sciences (CMK-UHasselt) and the Plant and Vegetation Research Group (PLECO-UAntwerp)—together with the Sphere Group (UAntwerp)—combine their knowledge in the Center for Excellence ECO. Together, they are building one of the world's most advanced research infrastructures. The Ecotrons of the University of Hasselt are part of this project.

`PERIOR SCIENCE

The twelve undisturbed soil columns of the Ecotrons were extracted using a special METER sampling system from Hoge Kempen National Park.

STATE OF THE ART LYSIMETERS—FOR ECOTRON AND YOUR RESEARCH

METER developed twelve innovative, customized lysimeters for the University of Hasselt that researchers can rely on for decades. And we can do the same for you. Whether you're doing soil, hydrologic, plant, climate, or agricultural research, METER provides you with an individualized, superior-quality lysimeter solution perfectly matched to your research goals.

METER Group lysimeters measure matric potential, temperature, precipitation, water content, electrical conductivity, evaporation, evapotranspiration, CO_2, methane content, and many other parameters—with unmatched precision and reliability.