Bryophytes community's evolution in Malagasy high mountain ecosystem: impact on ecological processes



Why do Bryophytes matter? Bryophytes are ecosystem engineer Modify, maintain, and create habitats

Soil stabilization and soil binder

Humus formation

Humidity control, water cycling, and nutrient cycling

Suitable places for the invertebrates

Bryophytes are ecologically important, but woefully understudied

How Bryophytes communities develop over time under the environmental changes

questions

How those changes may affect ecological processes

Research

METHOD

COMMUNITY EVOLUTION MODEL

COMMUNITY DYNAMIC MODEL

Demographic change of populations as a function of the current state of the community

TRAIT-BASED EVOLUTION MODEL

Ecological processes depend on underlying traits that undergo evolutionary changes

Output

Bryophytes are expected to act as early warning systems of more general climate change and are good bioindicators of environmental changes



Information resources for sustainable conservation planning at the species and ecosystem level