From LEAF to Terrestrial Biosphere Model: Integrating multi-scale observations of highly diverse tropical ecosystems for global scale simulations

Fact Sheet

Project Information

LEAF-2-TBM
Grant agreement ID: 891369

Funded under
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost
€ 178 320,00

EU contribution
€ 178 320,00

Coordinated by
UNIVERSITEIT GENT
Belgium

Start date
1 June 2020
End date
31 May 2022

Project terminated on 1 December 2021

DOI
10.3030/891369

Project description

Growing a new generation of terrestrial biosphere models

Terrestrial biosphere model (TBM) simulations are key to researching ecosystem dynamics and biosphere-atmosphere interactions. Current TBMs represent worldwide vegetation by a dozen rigid plant functional types, with empirical mechanisms calibrated on discrete observations. In the case of highly diverse ecosystems like tropical forests, this means only one clone of the same plant is
Fields of science

natural sciences  >  earth and related environmental sciences  >  atmospheric sciences  >  meteorology  >  biosphera

Keywords

Terrestrial Biosphere Model  Tropical forests  gas exchange  carbon cycle

functional diversity  functional traits  upscaling  photosynthesis

Programme(s)

H2O20-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions  MAIN PROGRAMME

H2O20-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Topic(s)

MSCA-IF-2019 - Individual Fellowships

Call for proposal

H2O20-MSCA-IF-2019

See other projects for this call

Funding Scheme

MSCA-IF - Marie Skłodowska-Curie Individual Fellowships (IF).
Coordinator

UNIVERSITEIT GENT
Net EU contribution
€ 178 320,00

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Region
Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

EC signature date 5 March 2020
Last update: 24 July 2023

Permalink: https://cordis.europa.eu/project/id/891369

European Union, 2023