

ISIMIP Forest Sector / PROCLIAS TG

2.5

- Discussion from sessions before
 - Questions to speakers
 - Questions about high-res experiment
- ISIMIP Forest sector overview
 - 2a/b data dois,
 - Mats Mahnken, Alessio Collalti, Daniela Dalmonech, Carlo Trotta, Volodymyr Trotsiuk, Andrey Lessa Derci Augustynczyk, Rasoul Yousefpour, Martin Gutsch, David Cameron, Harald Bugmann, Nica Huber, Timothy Thrippleton, Friedrich Bohn, Daniel Nadal-Sala, Santiago Sabaté, Rüdiger Grote, Annikki Mäkelä, Francesco Minunno, Mikko Peltoniemi, Patrick Vallet, Marek Fabrika, Katarína Merganičová, Iliusi Vega del Valle, Jan Volkholz, Christopher P.O. Reyer (2022): **ISIMIP2a Simulation Data from the Regional Forests Sector** (v1.0). ISIMIP Repository. <https://doi.org/10.48364/ISIMIP.169780> □paper by Mahnken et al. In GCB
 - Christopher P.O. Reyer, Jinfeng Chang, Almut Arneth, Min Chen, Matthew Forrest, Louis François, Alexandra Henrot, Thomas Hickler, Akihiko Ito, Camilla Mathison, Kazuya Nishina, Sebastian Ostberg, Shufen Pan, Wei Ren, Sibyll Schaphoff, Sonia Seneviratne, Jörg Steinkamp, Wim Thiery, Hanqin Tian, Wenfang Xu, Jia Yang, Fang Zhao, Matthias Büchner, Philippe Ciais (2023): **ISIMIP2b Simulation Data from the Global Biomes Sector** (v2.0). ISIMIP Repository. <https://doi.org/10.48364/ISIMIP.223634> □paper by Daniela Dalmonech in prep.
 - country scale simulations // other project ideas

TG2.5 Country-scale modelling of climate impacts on EU forests

Objectives:

- **compile and exchange data** for country-scale forest modeling
- **Coordinate and conduct country-level model simulations** in European forest within ISIMIP3a/b for impact attribution and future scenario analysis
- **Analyses of ISIMIP2b forest simulations** (from previous COST Action PROFOUND)

TG leaders: Mats Mahnken, Christopher Reyer

TG contributors: Alessio Collalti, David Cameron, Denis Loustau, Santi Sabate, Daniel Nadal-Sala, Friedrich Bohn, Katarina Merganicova, Jan Merganic, Manfred J. Lexer, Annikki Mäkelä, Mikko Peltoniemi, Francesco Minunno, Anja Rammig, **+YOU...**

Model Table

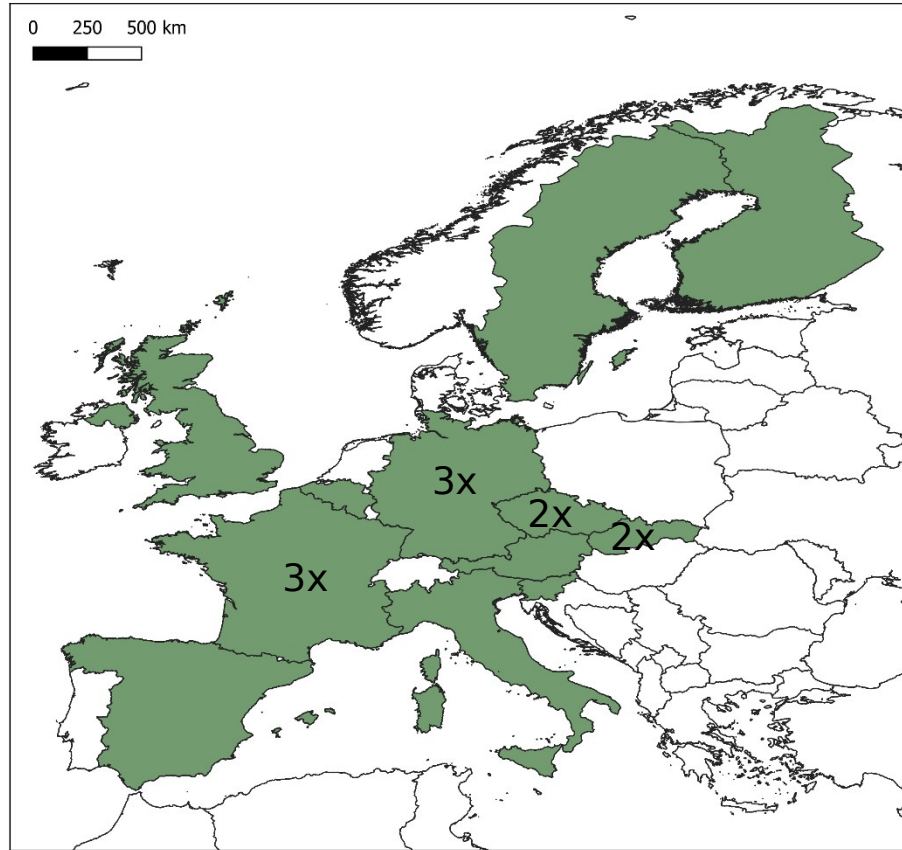
https://docs.google.com/spreadsheets/d/186ass6P2n0qFrCk5Td9bnIjth9hCZrj6_PASrN6tDn8/edit?usp=sharing

Model	Researcher Names	Model	Researcher Names
3D-CMCC-FEM	Alessio Collalti & Team	iLand	Rupert Seidl
3PG	Volodymyr Trotsiuk	Landscape-DNDC	Rüdiger Grote
3PGN-BW	Rasoul Yousefpour, Andrey Lessa Derci Augustynczik	LandClim	Harald Bugmann and team
4C	Martin Gutsch, Mats Mahnken	LPJ-GUESS	Thomas Hickler
ANAFOR	Gaby Deckmyn, Joanna Horemans	LPJ-GUESS	Anja Rammig
BALANCE	Thomas Rötzer	ORCHIDEE-CAN	Bertrand Guenet, Daniel Goll, Emilie Joetzjer, Anne-Sofie I...
BASFOR	David Cameron	PICUS	Manfred Lexer
Blome-BGC-MUSO	Horvath Ferenc	PREBAS	Francesco Minunno, Mikko Peltoniemi, Annikki Mäkelä
CARAIB	Louis Francois	SALEM	Patrick Vallet
CASTANEA	Christophe Francois, Eric Dufrêne, Nicolas Delpierre	SIBYLA	Katarina Merganicova
EFISCEN-SPace	Mart-Jan Schelhaas		
ForClim	Harald Bugmann and team		
FORGRO	Koen Kramer		
FORMIND	Friedrich Bohn		
GO+	Denis Loustau		
GOTILWA+	Santi Sabate, Daniel Sala		
HETEROFOR 1.0	Mathieu Jonard, Frédéric André		

**15/27 Models filled in table,
Thanks**

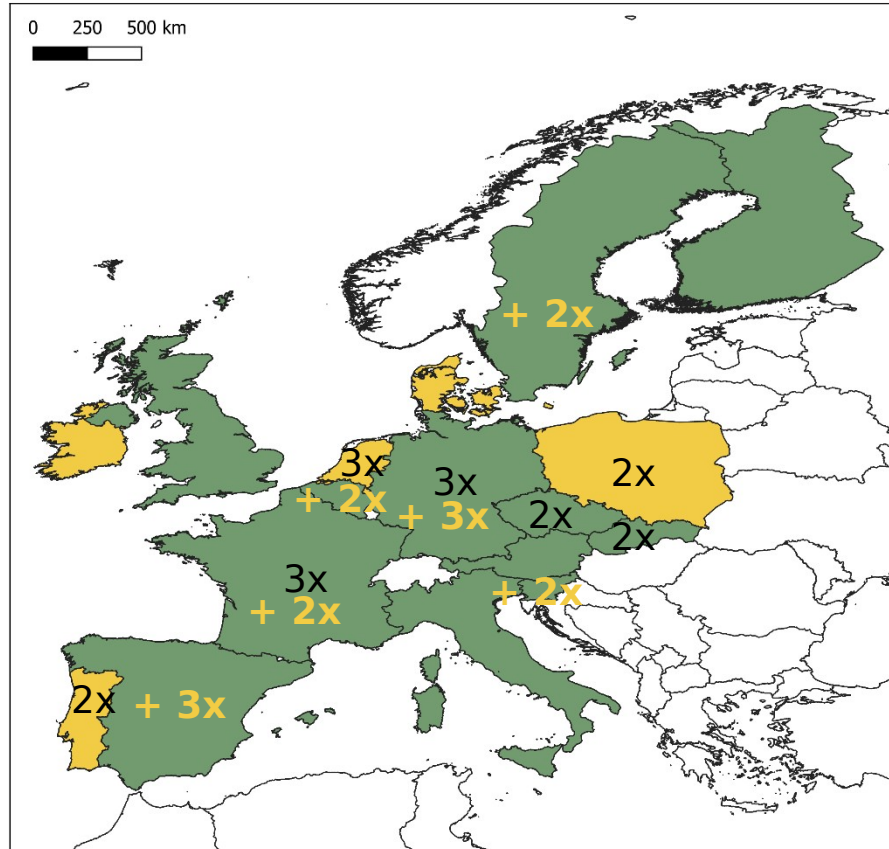
Which country / large regions could you simulate?

■ current coverage



easily

■ current coverage
■ potential additional coverage



with more effort

Stand data:

- NFI data or similar (10x)
- "Spin-up" (3x) from planting/forest age/tree species composition
- Soil data
- what's available (2x)
- European Soil Database v2.0 (5x)
- Country-specific / own data (3x)

Data needs

Stand data:

- NFI data or similar (10x)
- "Spin-up" (3x) from planting/forest age/tree species composition

Soil data

- what's available (2x)
- European Soil Database v2.0 (5x)
- Country-specific / own data (3x)