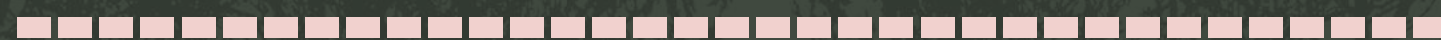


3DFORECOTECH



THREE-DIMENSIONAL FOREST ECOSYSTEM MONITORING AND BETTER UNDERSTANDING BY TERRESTRIAL-BASED TECHNOLOGIES

COST ACTION CA20118

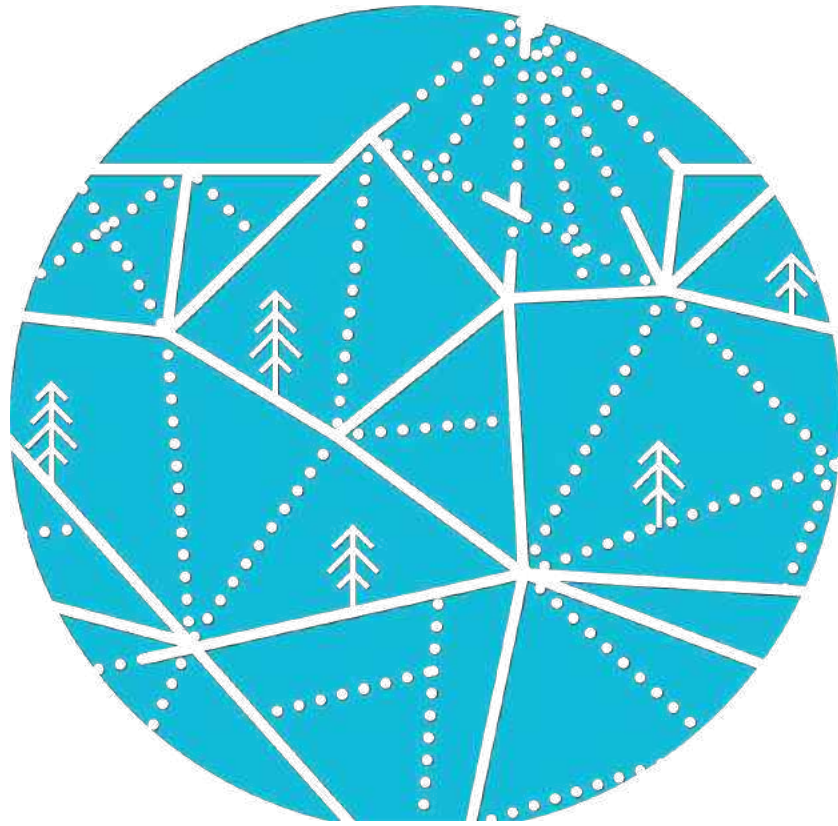
MARTIN MOROŠ

Chair of the COST Action



September 07, 2023

Silvilaser 2023



COST Action CA20118

3DForEcoTech

Three-dimensional forest ecosystem monitoring & better understanding by terrestrial-based technologies

1.1.2021 – 31.10.2025

SCATTERED FIELD

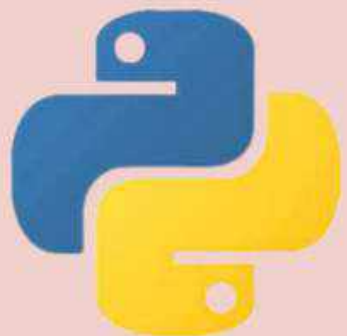
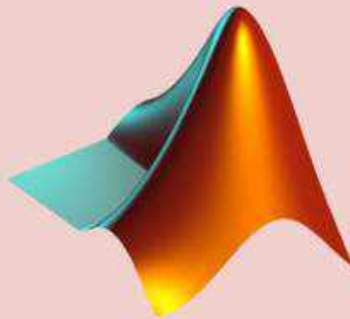
The potential has out-stripped awareness of the possibilities

Scattered and challenging data processing

Processing solution scatter through programming languages, libraries, packages

Thousands of plots and point clouds collected by us in last two decades, where are they?

Many papers published with high variability of quality



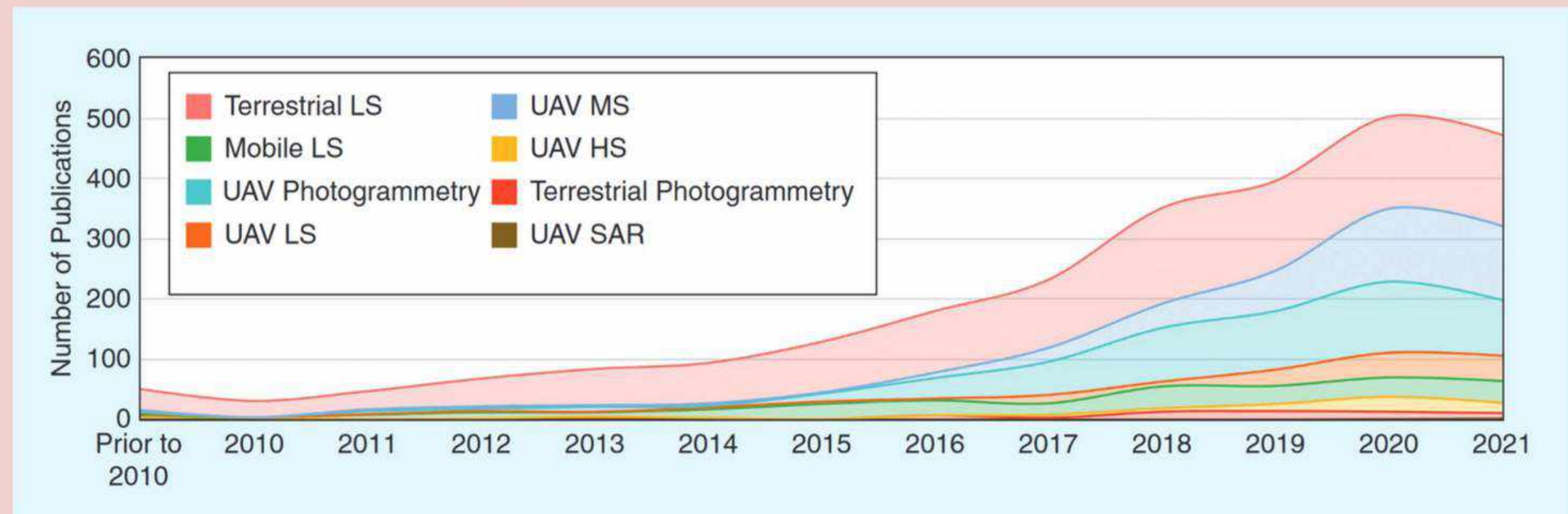
OXFORD
UNIVERSITY PRESS



Springer



WILEY



WG1: Laser- and Image-based Data Collection



Ninni Saarinen, Finland
Kim Calders, Belgium
Louise Terryn, Belgium

WG2: Data Fusion



Markus Hollaus, Austria
Suzanne Marseilis, NL

WG3: Laser- and Image-based Point Cloud Processing



Carlos Cabo, Spain
Arnadi Murtiyoso, Switzerland
Daniel Girardeau Montaut, France

WG4: Precision Forestry



Stefano Puliti, Norway
Chiara Torresan, Italy

WG5: Forest Ecology



Emily Lines, UK
Jesper Moeslund, Denmark

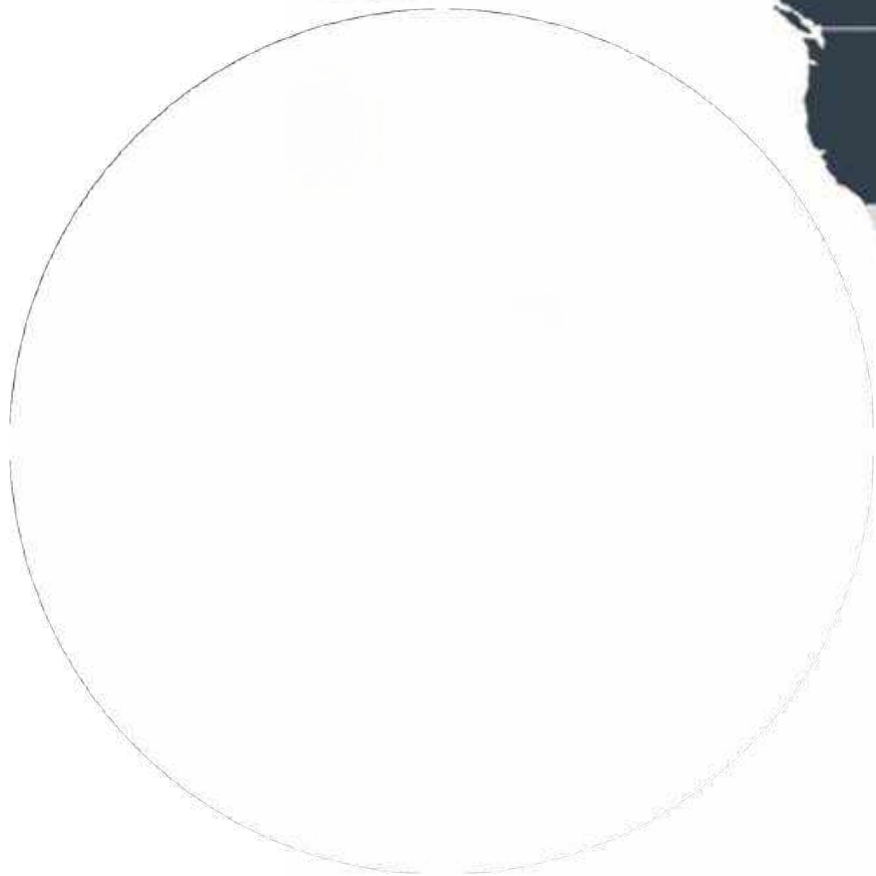
WG6: Dissemination, knowledge gaps, cooperation



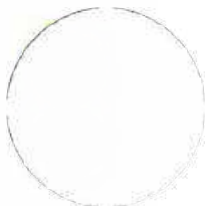
Markus Eichhorn, Ireland
Krzysztof Sterenczak, Poland
Kaela Slavik, The Netherlands



**39 European
countries**



400+ members from 50+ countries





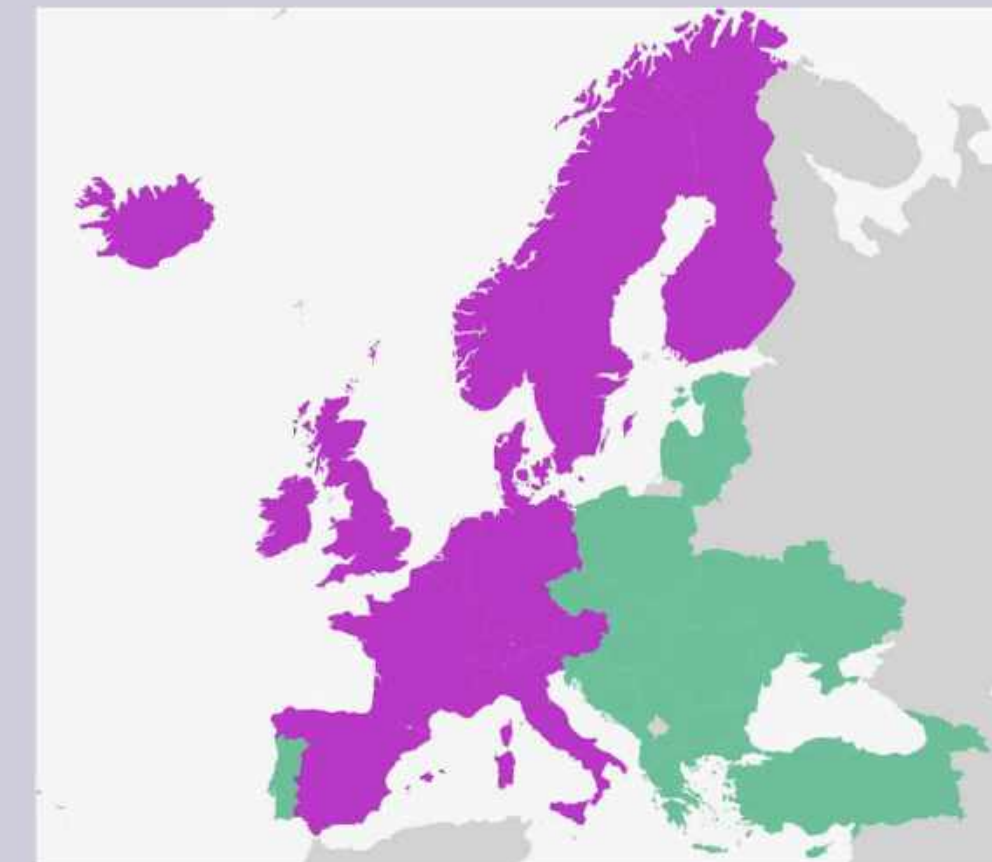
What is a COST Action?



COST Action networking activities

- **Meetings, workshop and conferences**
- **Short-term scientific missions**
- **Training schools**
- **Conference grants**
- **Virtual Networking Grant**
- **Communication, Dissemination and Valorisation strategy**

- a funding organisation for the creation of interdisciplinary research networks
- These networks offer an open space for collaboration among scientists across Europe (and beyond)
- provides a large spectrum of opportunities for young generations of researchers and innovators



Summer school in Helsinki, 2022

Three-dimensional forest ecosystem monitoring by terrestrial based technologies





You can join us!



X @3DForEcoTech



BES Annual Meeting 2023
3DForEcoTech
Workshop and session



ICC, Belfast, 12-15 December, 2023

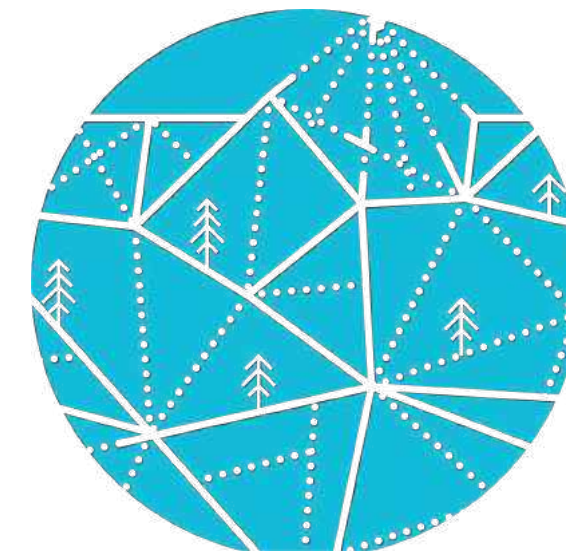


COST (European Cooperation in Science and Technology) is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation.

www.cost.eu



**Funded by
the European Union**



This contribution is based upon work from COST Action **3DForEcoTech, CA20118**, supported by COST (European Cooperation in Science and Technology).

THANK YOU FOR YOUR ATTENTION!



3DForEcoTech



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IN SCIENCE & TECHNOLOGY



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