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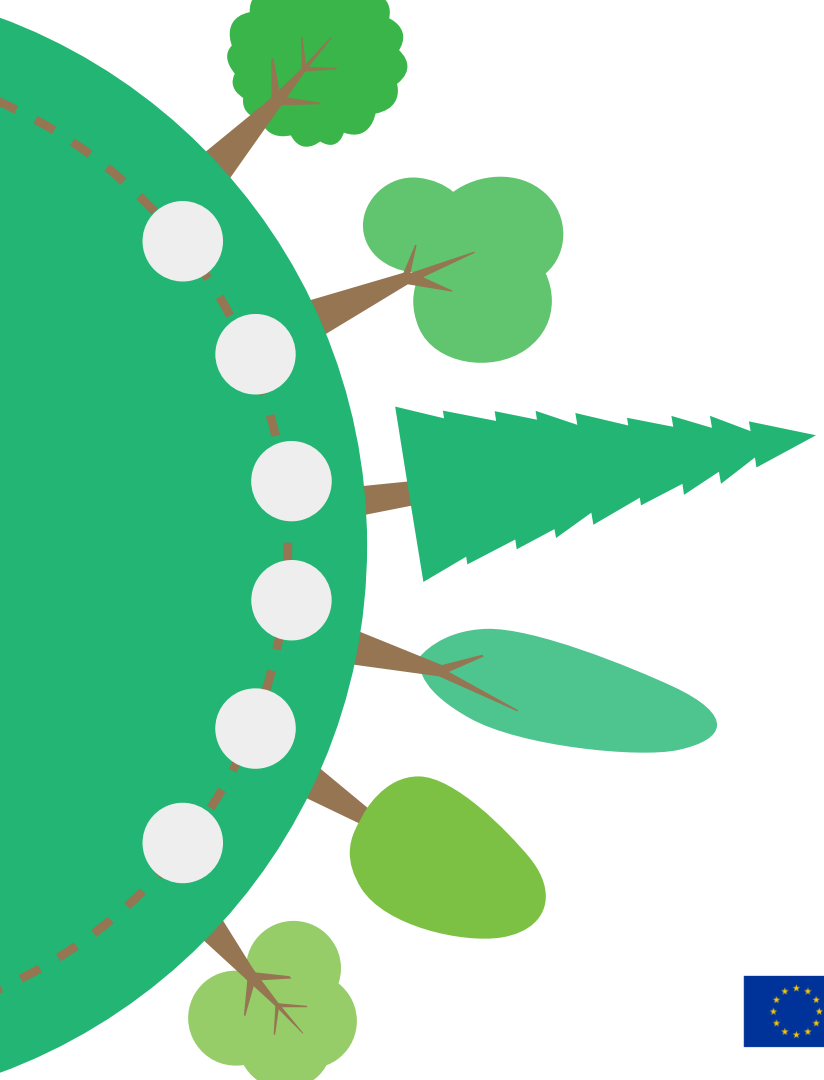

PathFinder

An Integrated Forest Monitoring System for Europe

Murali Thoppil (University of Bristol)

LULUCF Workshop, Ispra

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PathFinder Overview

- IPCC guidelines and EU regulations offer various methodological options

- Different choices significantly affect reported and accounted estimates

- Key factors:
  - Forest definitions
  - Gain-loss or stock-change approach
  - Land-use change transition period lengths
  - Selection of emission factors

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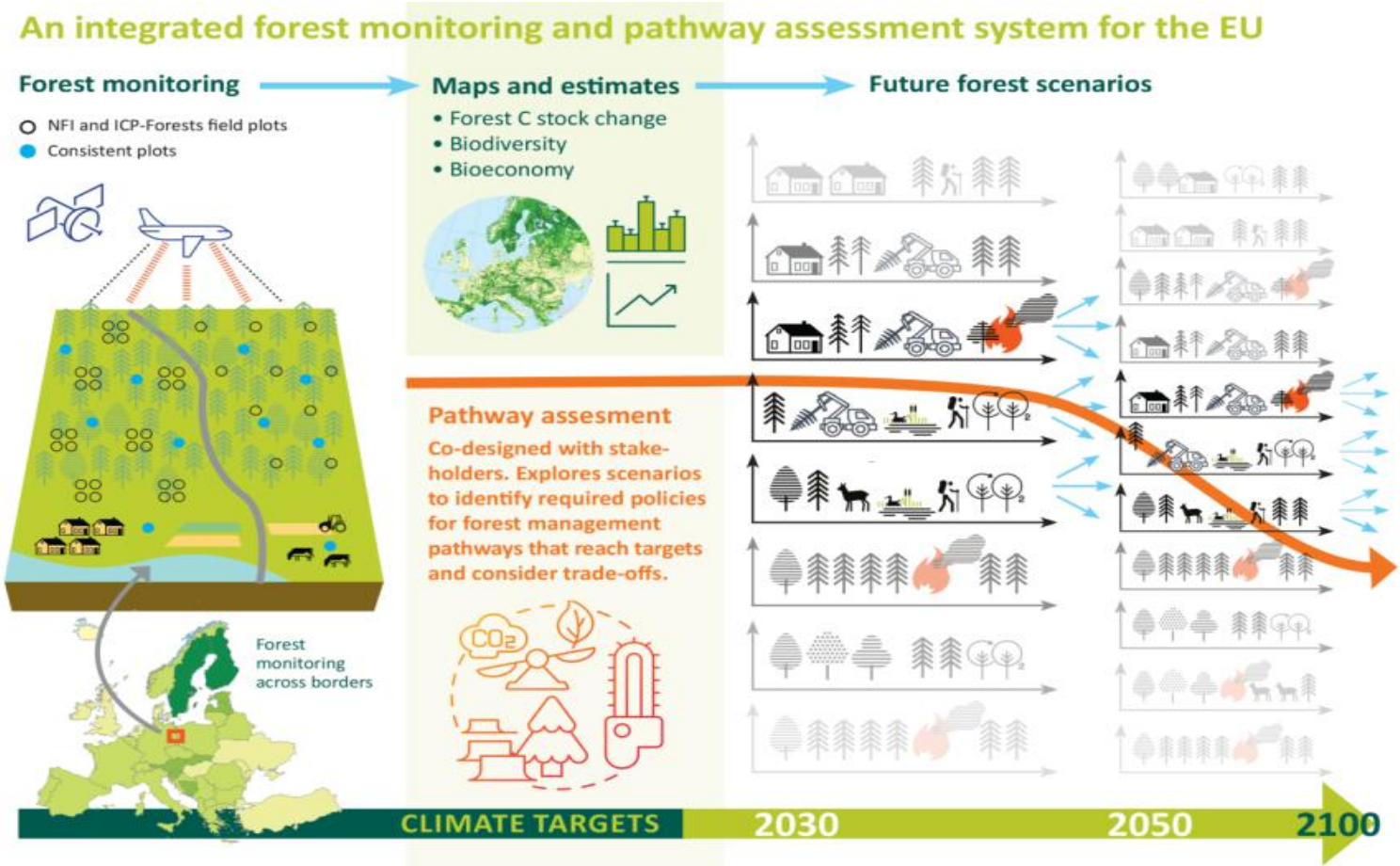

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An EU Reporting and Accounting Framework for the LULUCF Sector

- Convert estimates from forest monitoring system into common LULUCF reporting framework
- Ensure consistency with IPCC and EU policy requirements
- Apply framework to scenarios and codesigned pathways
- Eliminate risk of artificial trends from diverging definitions or methods

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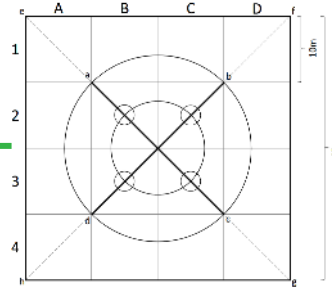

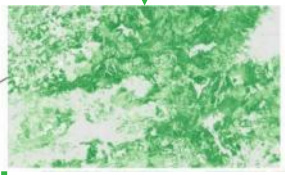

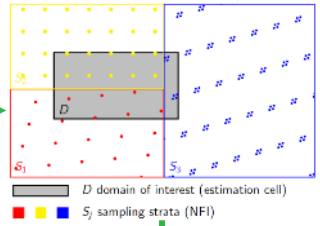

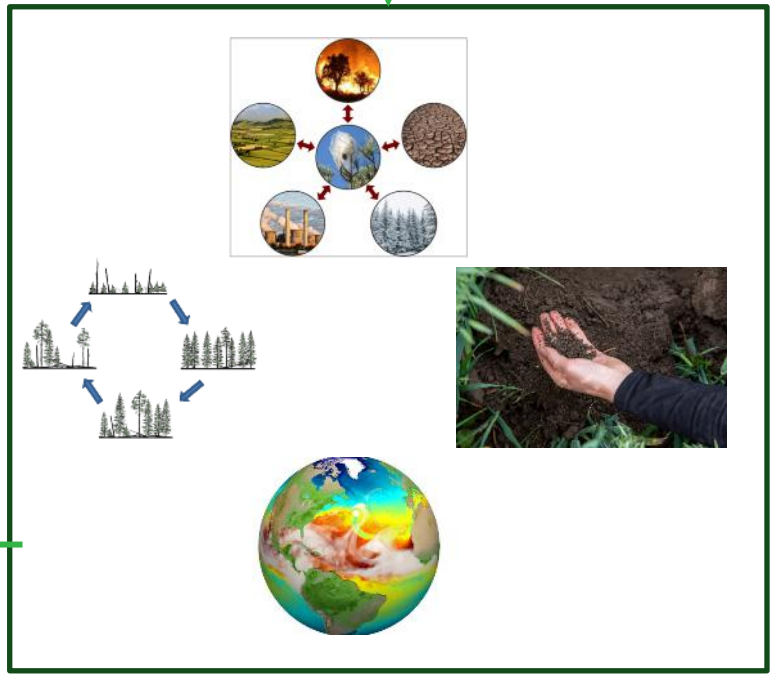

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Benefits of the Analysis & Framework

- Enhances consistency and comparability across member states
- Assesses impact of methodological changes on reported LULUCF figures
- Understanding in shifts in emissions/removals affecting 2030 targets and beyond
- Integrates enhanced spatial and temporal resolution estimates into reporting
- Reveal areas requiring capacity building or additional support

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Thank You

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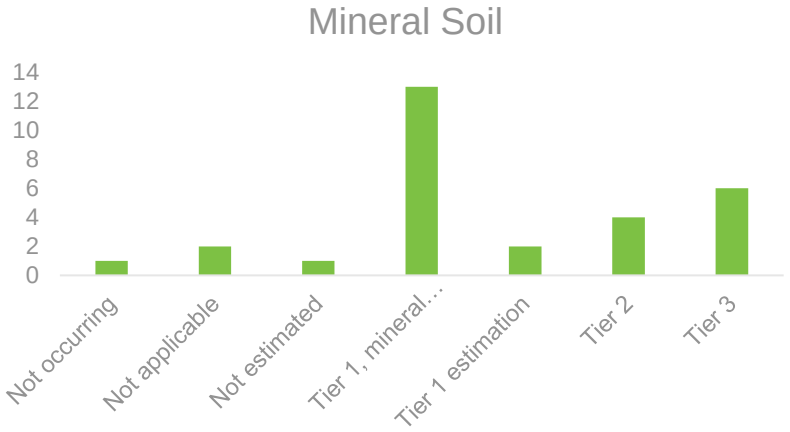
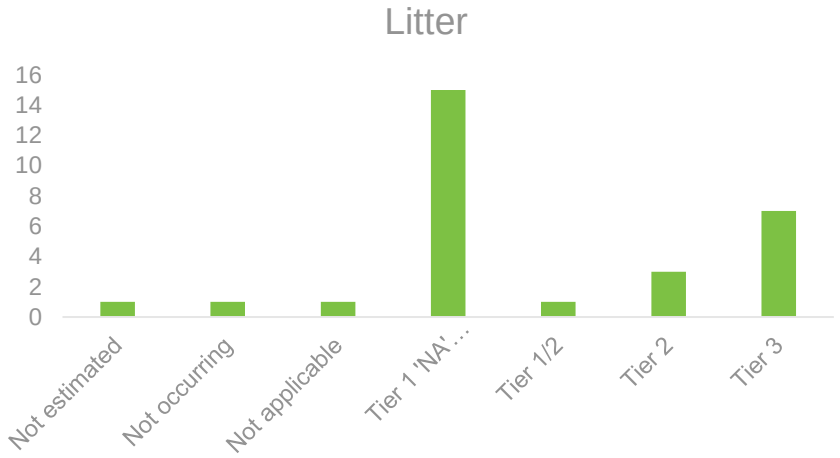
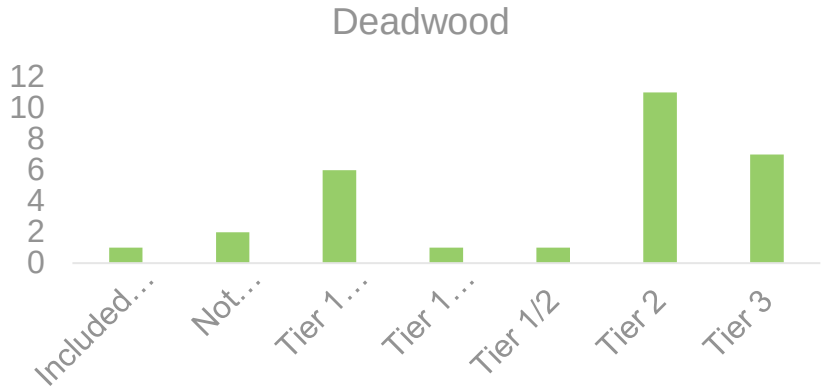
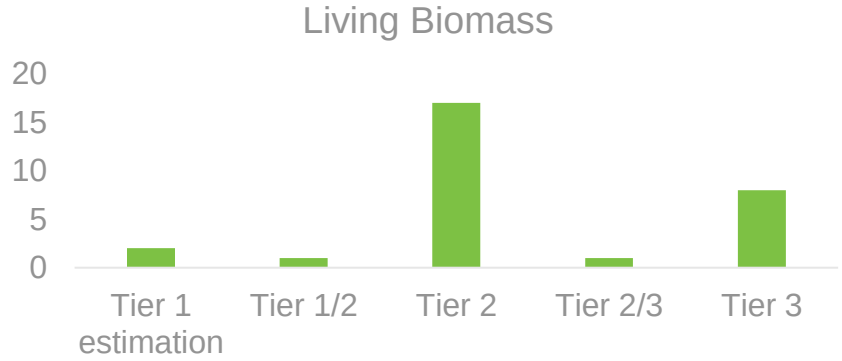
2021 EU Countries – CRF Forest Land









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