

Enhancing forest-based GHG accounting efforts with Earth Observation Data

Martin Herold^{1,2}, Daniela Requena Suarez¹, Natalia Málaga³, Neha Hunka⁴, Arnan Araza³, Frank Martin Seiffert⁵, Thomas Harvey⁶

1. Section 1.4 Remote Sensing and Geoinformatics, GFZ Helmholtz Centre Potsdam; 2. Institute of Earth and Environmental Science-Geoecology, University of Potsdam; 3. Wageningen University and Research; 4. University of Maryland, Department of Geographical Sciences; 5. European Space Agency; 6. Food and Agriculture Organization

National forest monitoring capacities, including the use of EO-data have improved over time

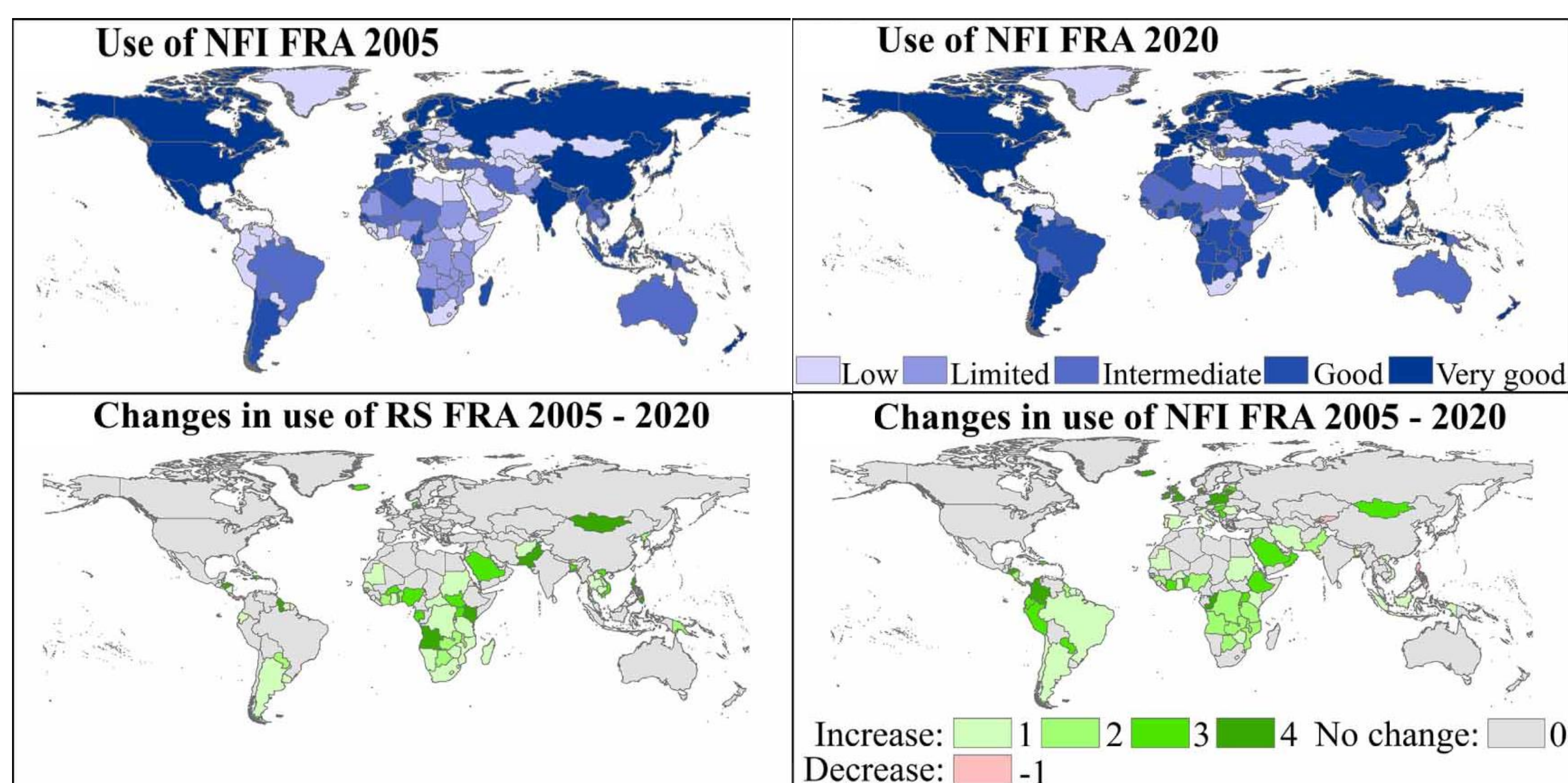
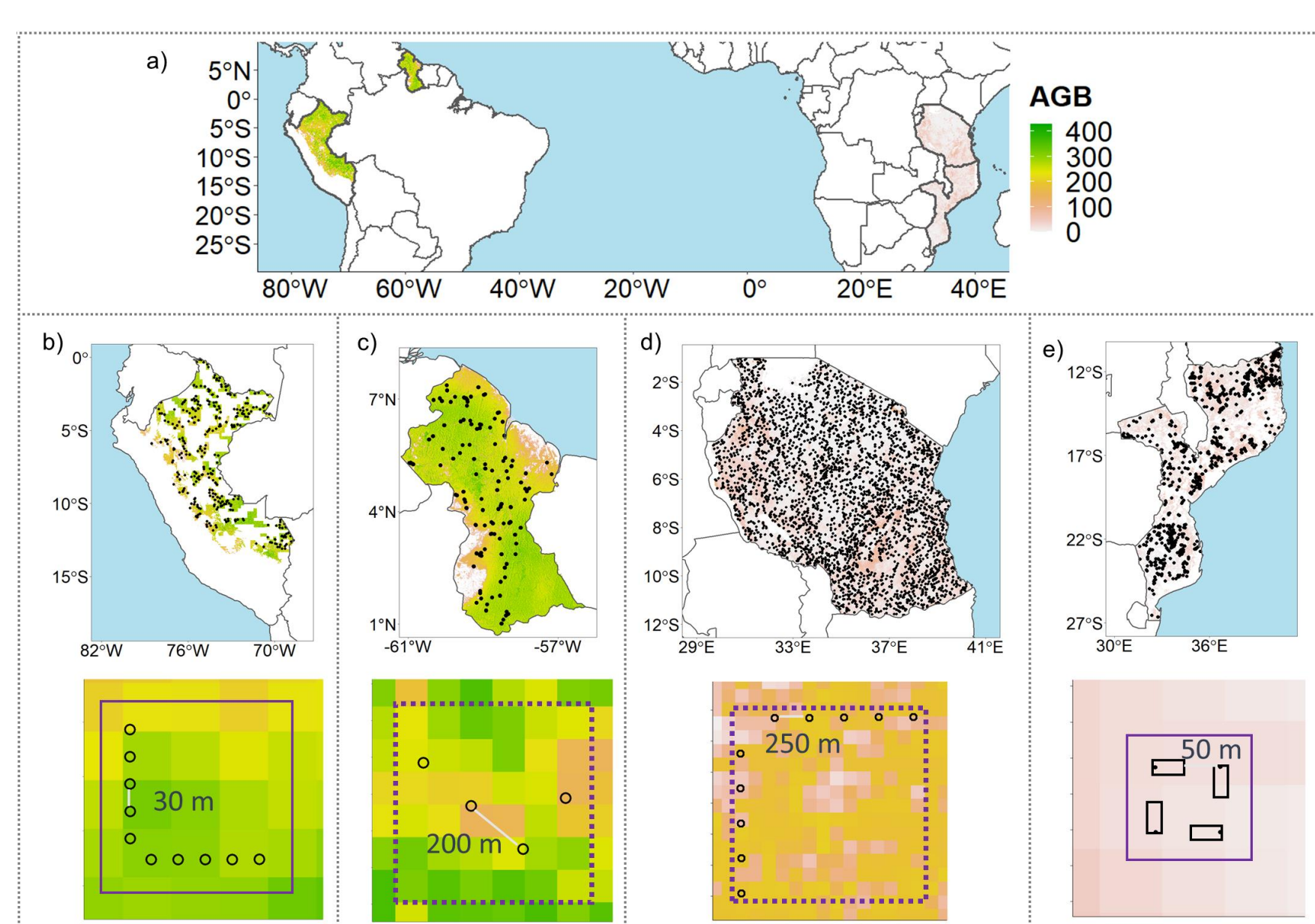


Figure adapted from Nesha et al. (2021). "An assessment of data sources, data quality and changes in national forest monitoring capacities in the Global Forest Resources Assessment 2005–2020". *Environmental Research Letters*.

Key issues for future improvement of capacities: sustained progress of data, responding to evolving user needs, **integrating new sources of information**

Málaga et al. (In Review). Global biomass maps can increase the precision of (sub)national aboveground biomass estimates

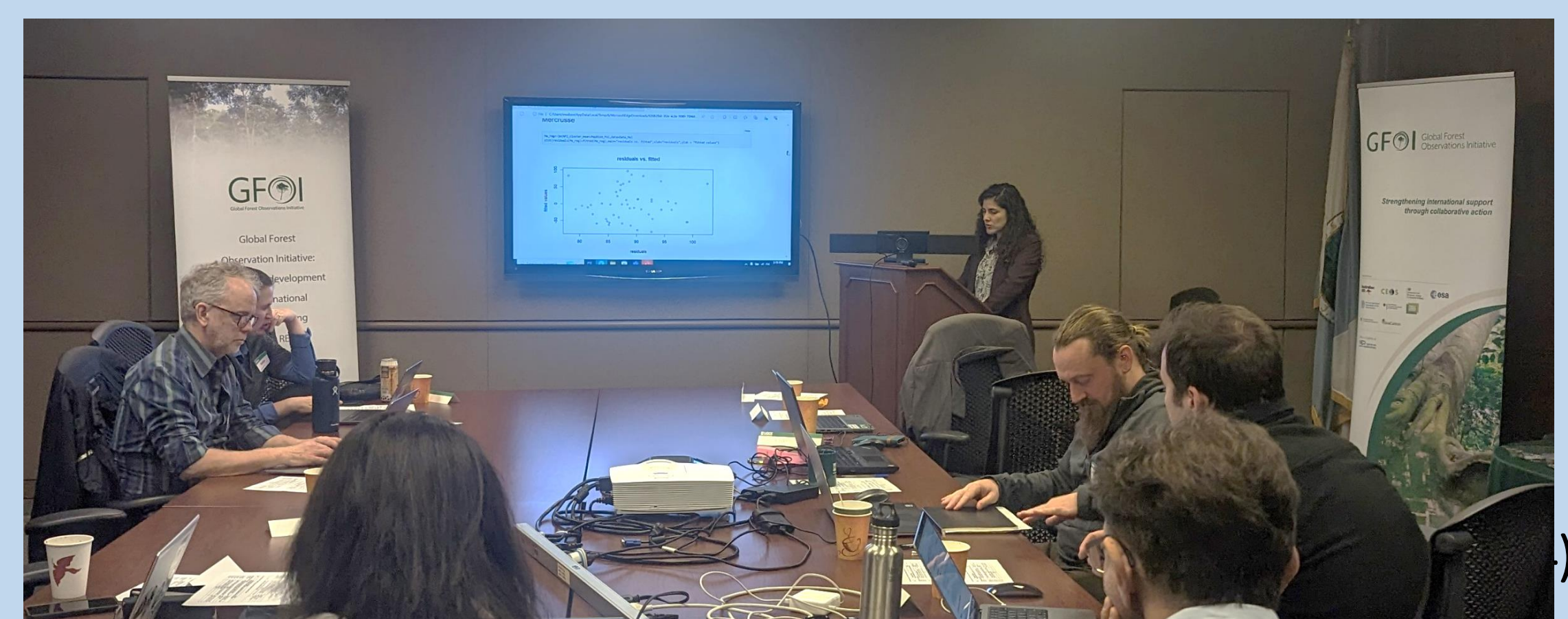


| | |
|------------|------------|
| Peru | Up to 60% |
| Guyana | Up to 40% |
| Tanzania | Up to 70% |
| Mozambique | Up to 100% |

Gain in Precision

Strengthening the informed use of EO-based biomass maps

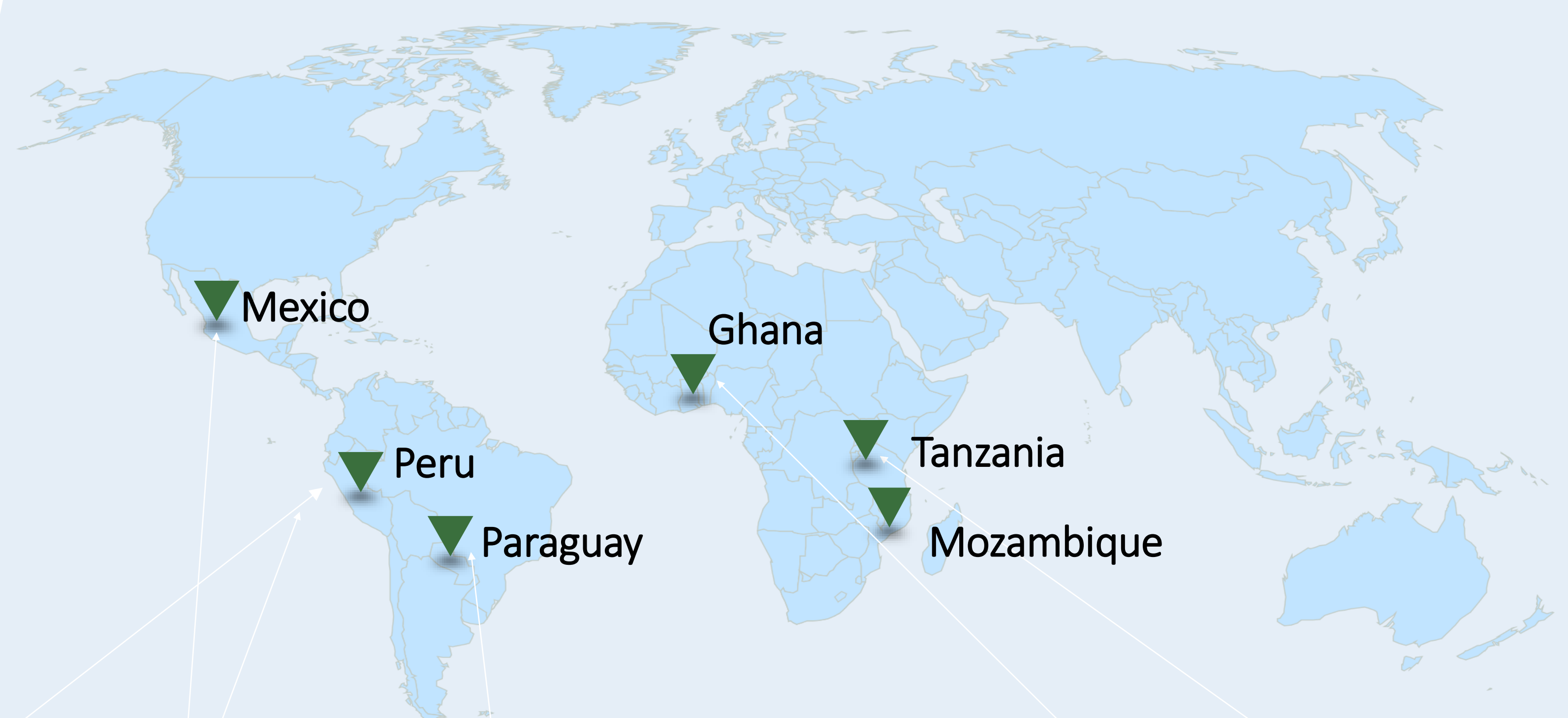
Currently there is very limited practical guidance and examples on how EO data can be used for enhancing forest biomass estimation. Through dedicated research, workshops, expert meetings and ongoing discussions, we gather experience of how biomass maps can be used.



Within the GFOI, concerted efforts are being made to gather **examples** to identify best practices for using biomass maps in GHG reporting

Integration of National Forest Inventories (NFI) with Earth Observation (EO) products

Facilitating and disseminating research in partnership with national organizations with the purpose of **leveraging National Forest Inventory (NFI) data** in combination with EO to enhance the estimation of forest biomass



Do you want to get involved in the GFOI R&D component? Please contact us!

Martin.Herold@gfz-Potsdam.de

Daniela.Requena.Suarez@gfz-Potsdam.de

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