REDD+ Decision Support Tool

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Forest Carbon Partnership Facility

REDD+ Monitoring and Measurement, Reporting and Verification Workshop "Training the Trainers"

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FOREST CARBON PARTNERSHIP FACILITY

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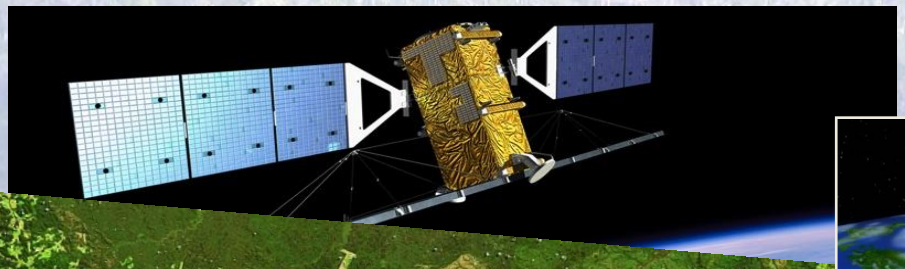
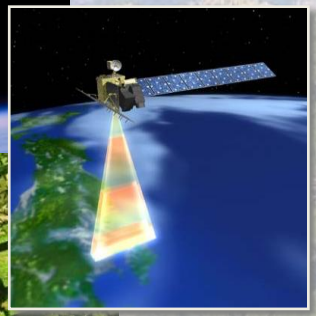
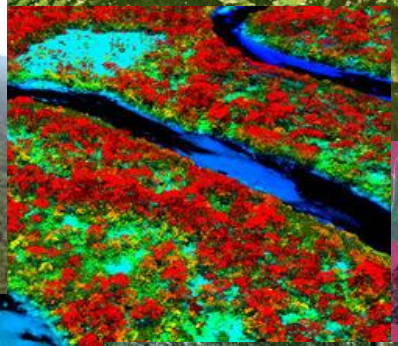




C-GJPY
Carnegie Airborne Observatory

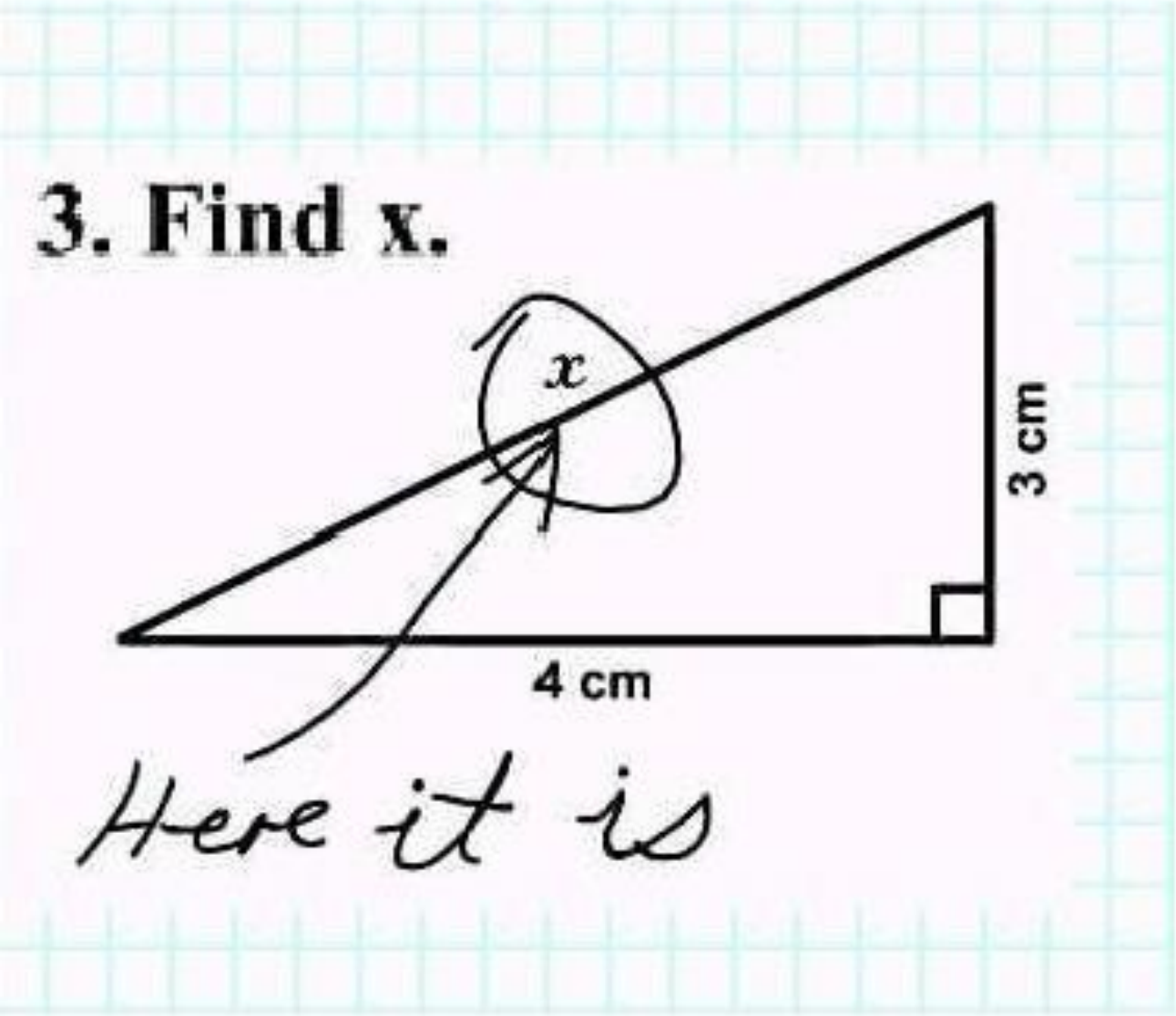


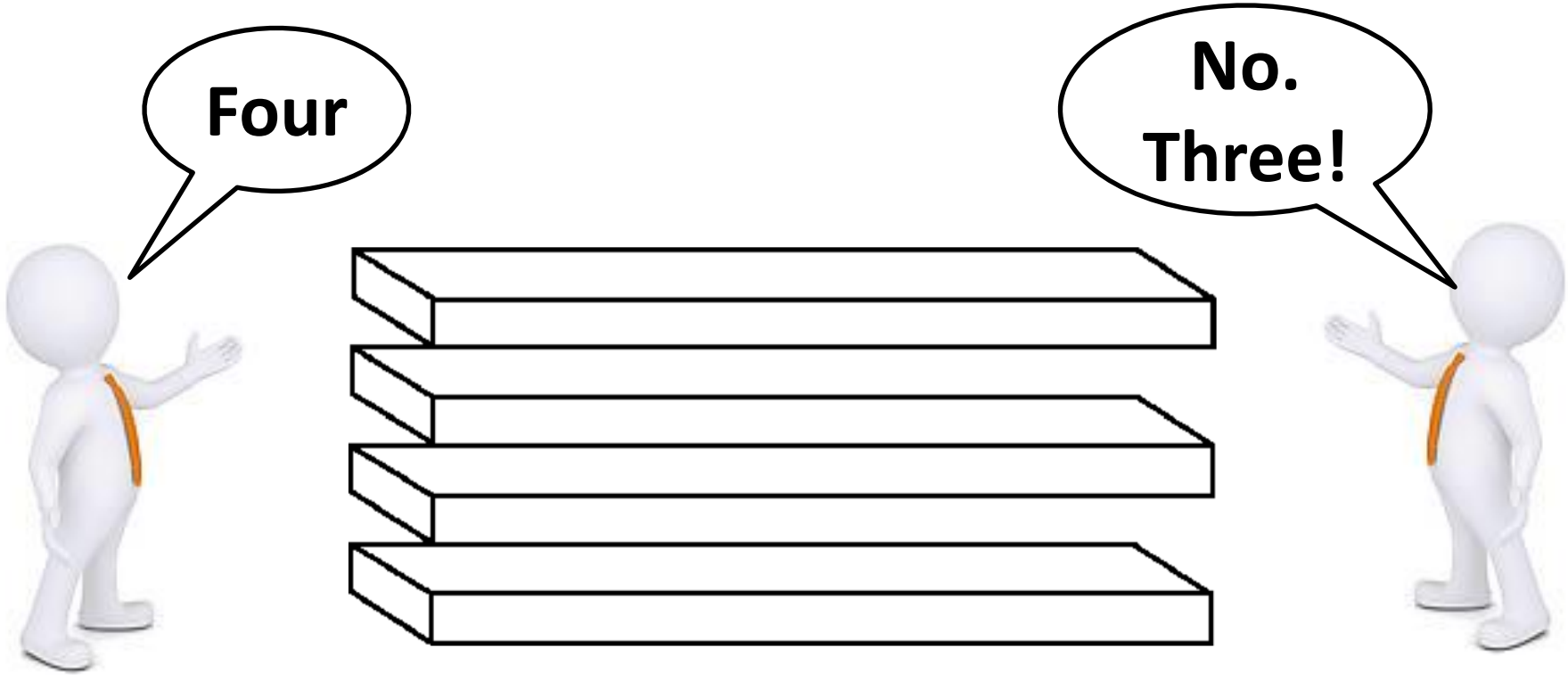
Taller:
Cambio Climático e
Incidencia Nacional

REDD+ = Activity Data × Emission Factors

It’s real simple …

… or is it?




Four
No.
Three!

Tools

Technical Guidance

… produced with the budget the PC approved for FY14 and FY15.

The REDD+ Decision Support Toolbox

REDD+ Decision Support Toolbox

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www.forestcarbonpartnership.org/dst

Online tool with a simple interface, supported by a comprehensive database, that

- **Informs** the technical approach for reference levels (RL), forest monitoring, and measurement reporting and verification (MRV)
- **Facilitates** technical and policy decisions related to RL and MRV

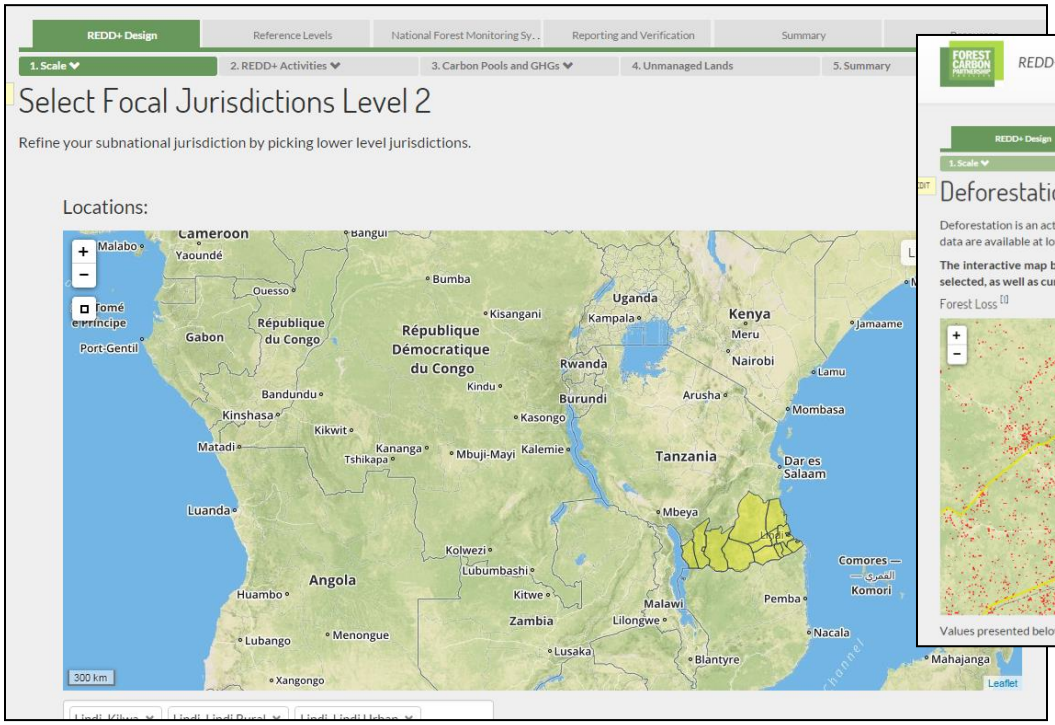
What follows are screenshots of the Decision Support Toolbox

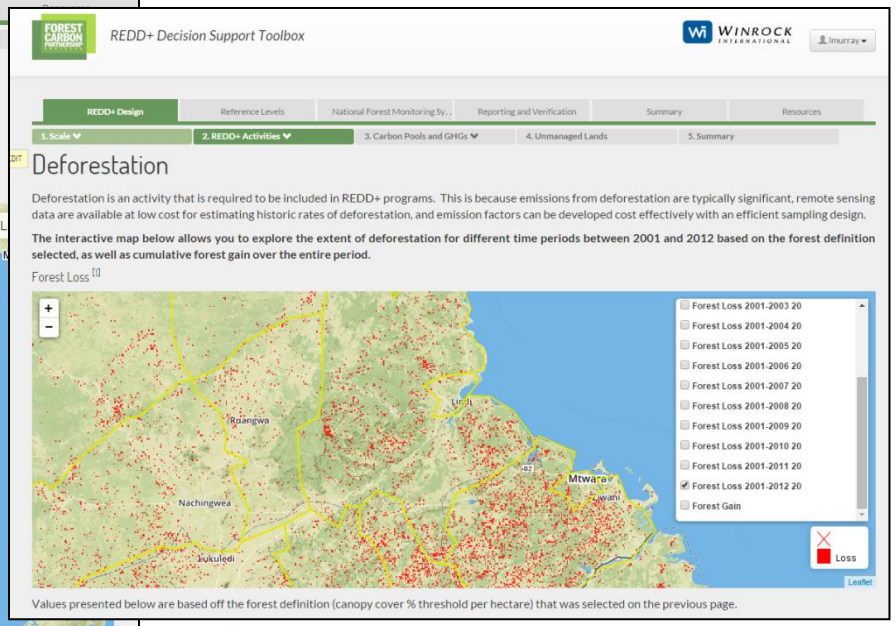
REDD+ Decision Support Toolbox

Apologies for the small font size!

Spatially Explicit & Interactive

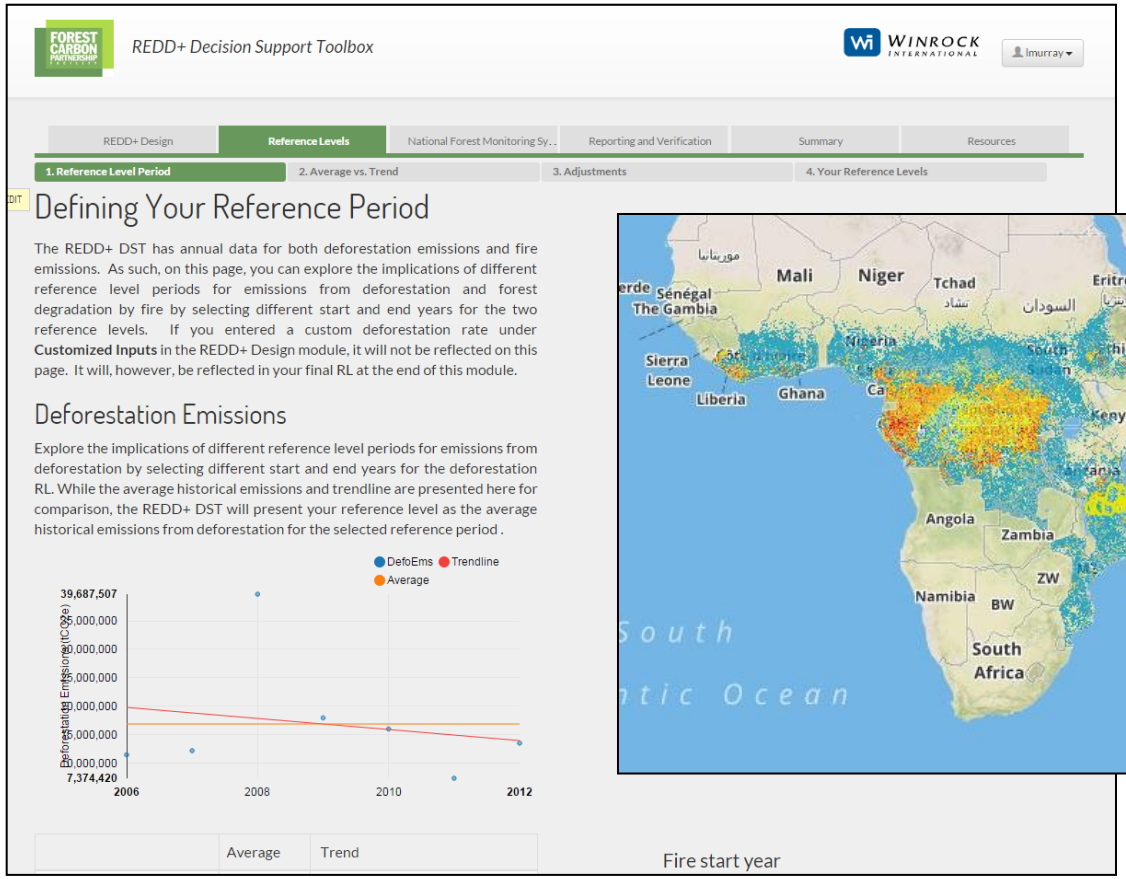
- Users choose the FCPF country and jurisdictions and/or municipalities to include
- Estimates specific to selected geography

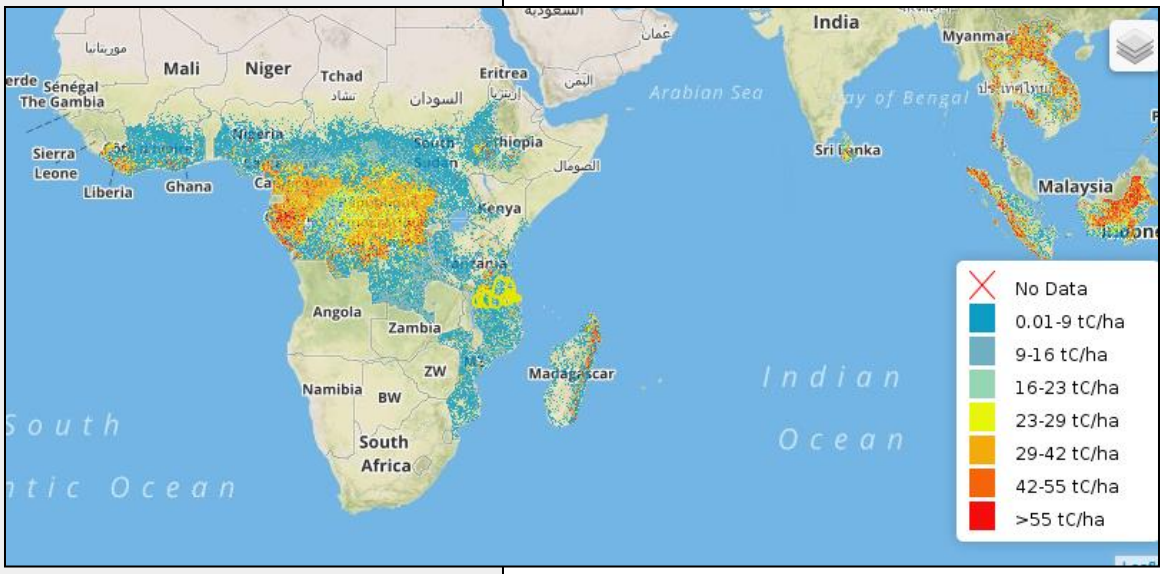




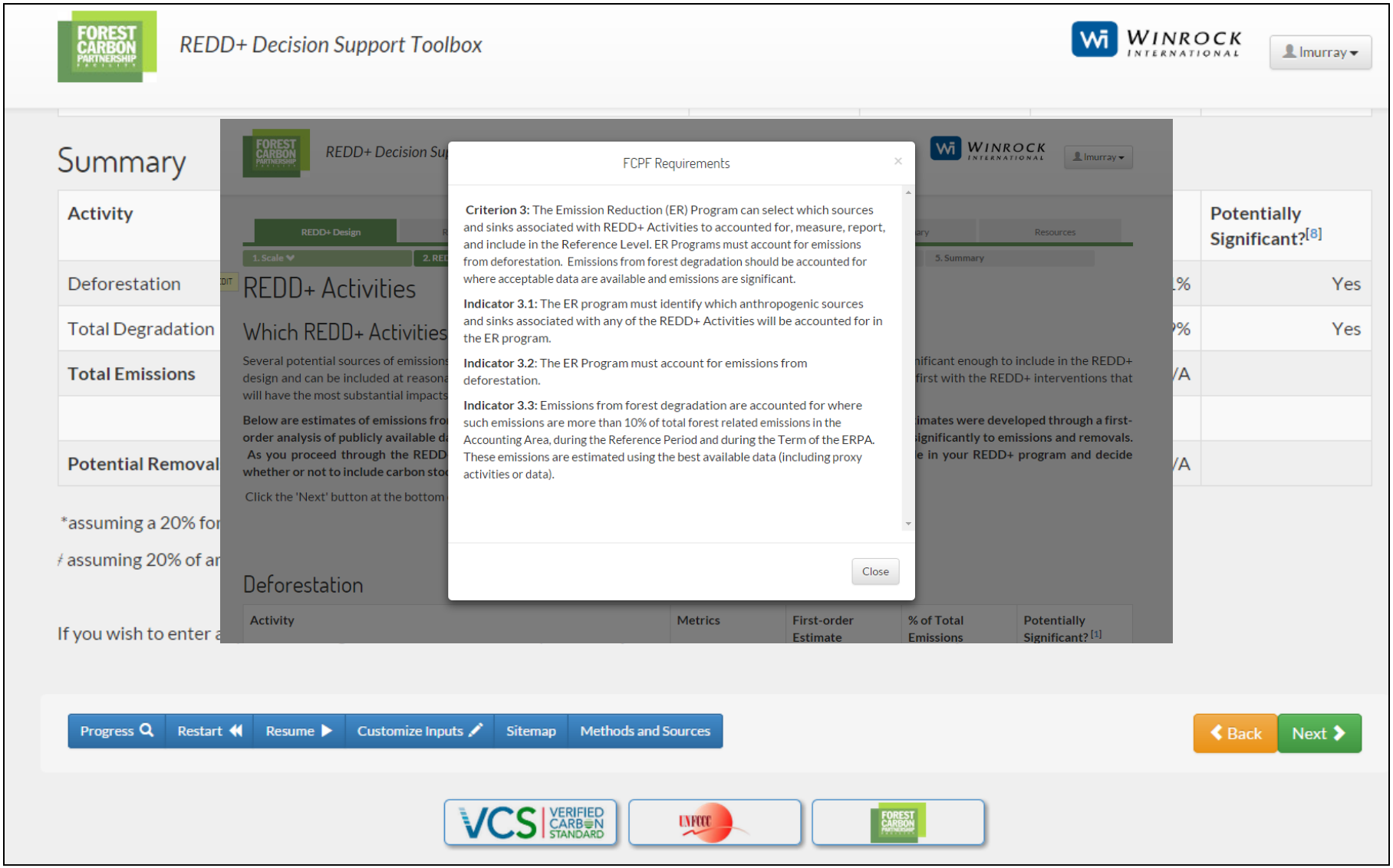
REDD+ Decision Support Toolbox

- Consistent methods and data, allowing comparison of emissions and pools across geographies





UNFCCC, FCPF, and VCS requirements



REDD+ Decision Support Toolbox

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FCPF

REDD+ Design | Reference Levels | National Forest Monitoring | Reporting and Verification | Summary | Resources

Reference Level Period | Defining Reference Period | Average vs. Trend | Adjustments | Build my Reference Level | Summary

First-order estimates

Build my Reference Level

Your default reference level is shown below. This uses default databases and includes the decisions you made about ties, carbon pools, and the reference period.

Your deforestation period has been defined between years 2001 and 2012.

Your fire period has been defined between years 2001 and 2011.

Activity	Metric	First-order estimate	% of Total Emissions
Deforestation	t CO_2e/yr	8,529,864,029	99.72%
Timber Harvesting/Forest Management	t CO_2e/yr	9,959,769	0.12%
Fuelwood/Charcoal Production	t CO_2e/yr	4,789,085	0.06%
Forest Fire	t CO_2e/yr	9,155,002	0.11%
Enhancement of C stocks through forest gains? *	t CO_2e/yr	24,101,216	

* assuming 20% of area eligible for enhancements is afforested or reforested

View Your Progress | Info

Back | Next

Final summary of decisions made

Final summary includes customized reference levels and key decisions.

REDD+ Design | Reference Levels | National Forest Monitoring Sy.. | Reporting and Verific

Summary

Download PDF

Congratulations! You have completed all modules in the REDD+ Decision Support Toolbox. Below is
reference levels of selected REDD+ activities.

Country: Madagascar

Scale: National

Forest definition: 20% canopy cover

Include unmanaged lands? None

Deforestation

	Estimate (tons CO_2e/year)	% of Total Emissions	Info
Reference Level	75,385,411	67.77%	This is an estimated deforestation reference lev definition and carbon pools included. Estimates Hansen, et al. 2013. with Emission Factors derived f
Emissions from Peat Forests	192,295	2.07%	This is an estimated reference level for the emissions resulting from deforestation on peat lands in the geographic area selected. Estimates were produced by combining activity data derived from Hansen, et al. 2013 and a Map of Histosols from the Harmonized World Soil Database with Emission Factors derived

REDD+ DST Summary Report

Congratulations! You have completed all modules in the REDD+ Decision Support Toolbox. Below is a summary of the decisions you have made and customized reference levels of selected REDD+ activities.

Country: Madagascar

Scale: National

Forest definition: 20% canopy cover

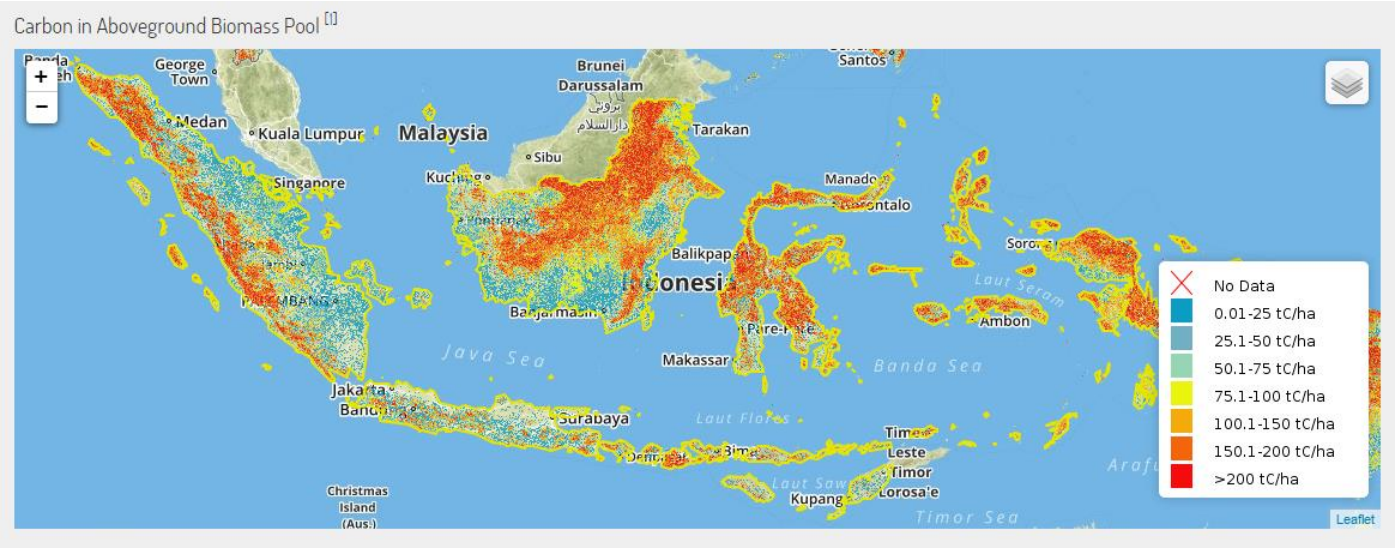
Include unmanaged lands? None

Deforestation

	Estimate (tons CO_2e/ year)	% of Total Emissions	Info
Reference Level	75,385,411	67.77%	This is an estimated deforestation reference level for the geographic area selected, based on the forest definition and carbon pools included. Estimates were produced by combining Activity Data derived from Hansen, et al. 2013. with Emission Factors derived from Saatchi, et al. 2011
Emissions from Peat Forests	192,295	2.07%	This is an estimated reference level for the emissions resulting from deforestation on peat lands in the geographic area selected. Estimates were produced by combining activity data derived from Hansen, et al. 2013 and a Map of Histosols from the Harmonized World Soil Database with Emission Factors derived from IPCC 2013 Wetlands Supplement
Carbon Pools/GHGs	Dead biomass, Litter, Soil Carbon, Methane (CH4), Nitrous oxide (N2O)		
Reference Level Period	2001-2012		

All 5 REDD+ Activities can be explored

- Deforestation
- Degradation from timber harvesting
- Degradation from fuelwood collection/use
- Degradation from forest fire
- Enhancements



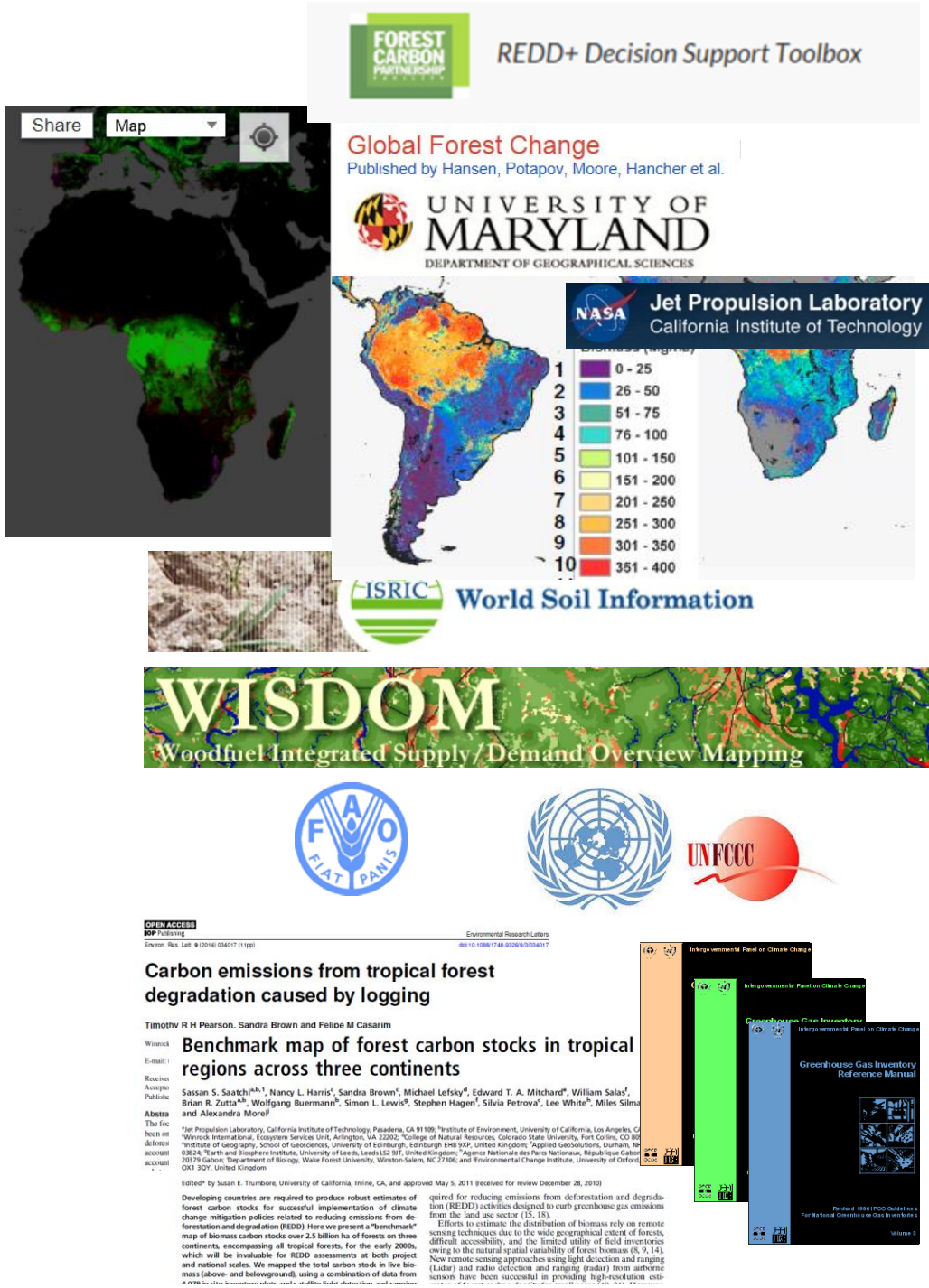
The decision support toolbox is data-driven

REDD+ Decision Support Toolbox

- Integrates a range of variables required for estimation of emissions
  - Forest cover, forest cover change
  - Fires
  - Logging
  - Biomass and biomass harvesting
  - Soils
  - Population
  - Others
- Prompts users to make informed decisions and explore options

The tool draws on publically available and spatially referenced information

- IPCC
- FAO
- Research and Data Initiatives
- Satellite-based data products
- National Statistics
- Published literature
- Others



- Cool, no?!
- But note:
  - The tool does not ‘make’ decisions; nor is it meant to ‘set’ a country’s reference level
    - … this requires more technical work.
    - … and a due process in-country.
  - The tool can help facilitate both.
- And ….

…. it won’t help you decide in this scenario!

Thank You!

www.forestcarbonpartnership.org

/technical-decision-support-and-training-material

/redd-training-material-forest-monitoring

/dst