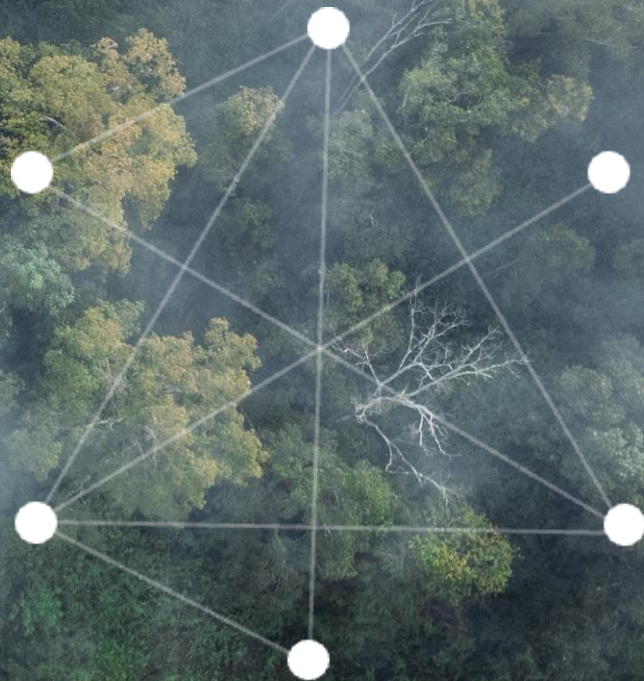




DIASCA

Global Integration of Agricultural
Supply Chains Alliance

Forest Monitoring



Workgroup participants

Core topics addressed:

- Semantics (indicator content)
- Syntax (methodological guidelines)
- Tactical guidance

with the participation of:

1. 319 individuals registered as part of the FoMo working group
2. c.a. 56 participants in a Technical Advisory Panel

Sample of Technical Advisory Panel



Juan Pablo Solis	Tim Bartram	Harry Marshall	Caroline Busse	Hannes Schmidt	Andrew Wilcox
Sumer Johal	Elisa Criscione	Almut van Casteren	Martin Herold	Madhu Bopanna	Hannelore Beerlandt
Clement Obeng	Gary Hooper	Elena Tomanovich	Leah Samberg	Emmanuel Antoh	Azeyeh Xavier Alexandre
Niki van der Steenstraten	Alex Rocos	Eric Somitsch	Lina Hollender	Gary Hooper	Kate Chapman
Nina Dwerlkotte	Kristian Doolan	Jan Willem Van Casteren	Lars Kahnert	Paul Rhodes	Andreas Füller
Remi Dannunzio	Meg Phillips	Anif Ashraf	Michael Ekow Amoah	Baptiste Monnier	Thomas Vaassen
Amanda Fuller	Rodrigo Bellezoni	Mathias Held	Laurent Sagarra	Daniela Palma	Jette Brandauer
Lisa Broekhuizen	Felipe Nunes	Gary Hooper	Thomas Vaassen	Lydia Frech	Michael Ekow Amoah
Shishir Verma	Andrew Wilcox	Felix Holdorf	Pascal Ripplinger	Hannelore Beerlandt	Andrew Wilcox
George Owuor	Eric Somitsch	Matthew Himmel	Liam Brody	Andres Ferreyra	Dr. Flavia de Souza Mendes
Amir Ebadi					

Core Topics Addressed

Semantics

- Forest
- Forest Change
- Plot

Syntax

- Georeferencing methods
- Role of Remote Sensing
- Differences in remote sensing sources
- 2020 Forest Baseline details
- Ground truthing
- Convergence of evidence
- Accordance w/ Local laws

Example of tactical guidance: Geolocation

	Walking Perimeter	Drawing Perimeter	Machine Learning
Large plots			
Agroforestry systems (especially where commodity grown below native canopy)			
Remote plots			

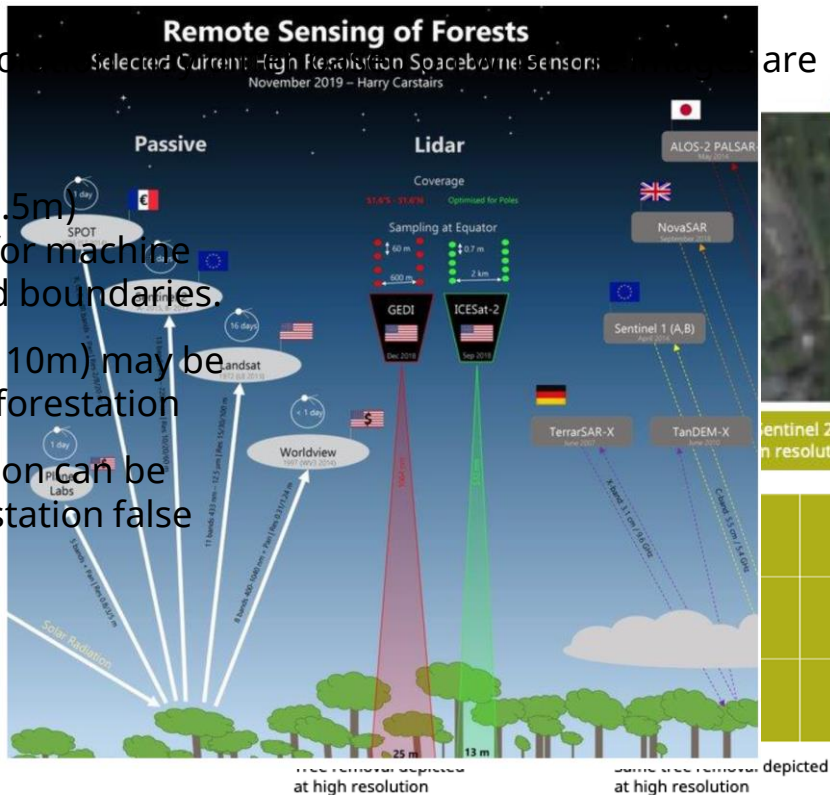
The rationale for the selected method, along with any associated risks, should be described in due diligence statements. **Optimally more than one method should be used, or even the same method implemented by different parties as a means of verification.** Such double work requires additional resources, and so may be deployed ad hoc depending on the risk involved. For example, when a polygon borders a deforested area additional methods or verification should be employed to be certain of where the border is.

In some cases, multiple parties may already have begun collecting polygons, which can be shared through pre-competitive collaborations. In the long term, producing country governments might find it more efficient to lead or support the registry of plots. However, setting up this kind of public system may take some time, and is likely to introduce other complexities related to property rights, taxation, and coordination among different government agencies.

Example of tactical guidance: (Spatial) Resolution

The optimal spatial resolution
being used for:

- High resolution (e.g. 0.5m) presumed necessary for machine learning to detect field boundaries.
- Lower resolution (e.g. 10m) may be sufficient to detect deforestation
- Higher spatial resolution can be used to reveal deforestation false positives



are

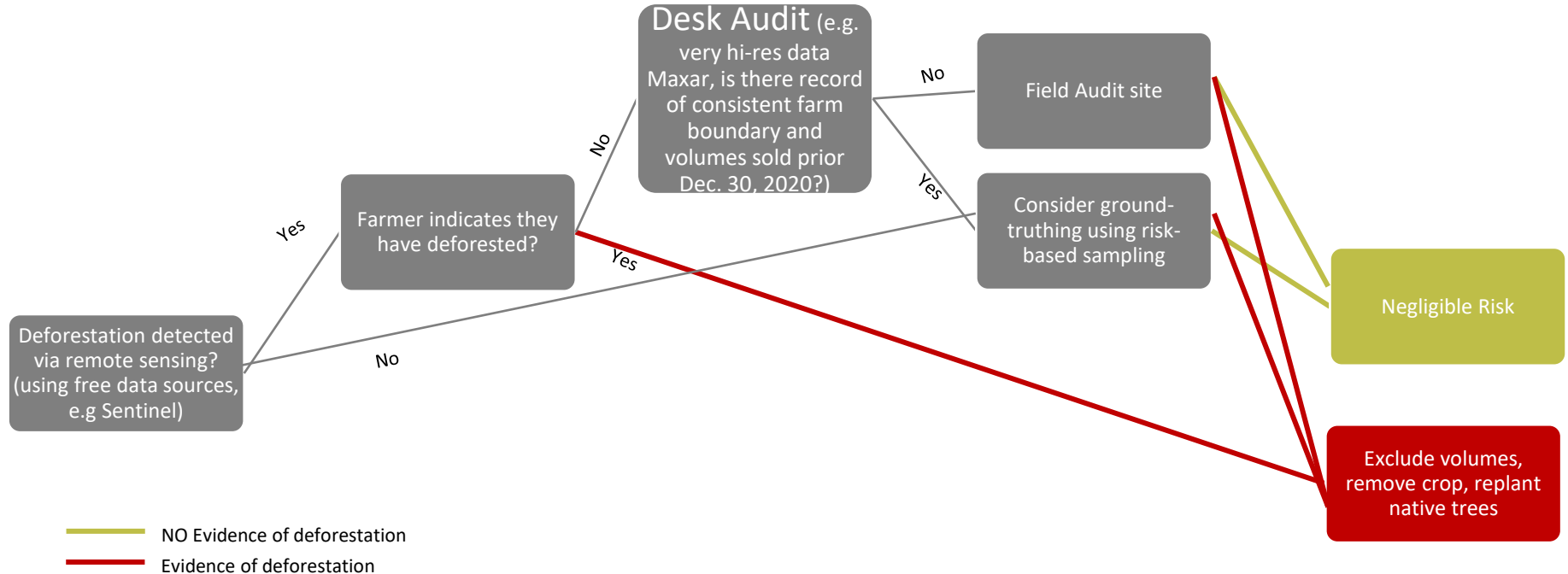
Freely Available

Freely Available

Sentinel 2 in resolution

Landsat 8
30 m resolution

Example of tactical guidance: Ground Truthing





Thank you