

# R&D Coordination Component Funding

## 10 April 2017

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SDCG-11: Ho Chi Minh, 9-10 April, 2017

## Background

- GOFC GOLD LC Project Office (PO) actual Lead of R&D Coordination
- ESA funded under the PO a bridging phase of the GFOI R&D Coordination (RDC) Component (120 k€ for 18 months)
- ESA Contract ended 31 March 2017
- Additional funding projects addressing issues of the GFOI R&D Agenda
  - Forest disturbances
  - Sensor Interoperability

Reference period : 2010 - 2013

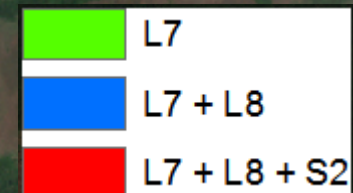
Monitoring period : 2014 - 2016

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FORMOSA ESA Project – WUR & Planet

Hamunyela et al. 2016, and in review

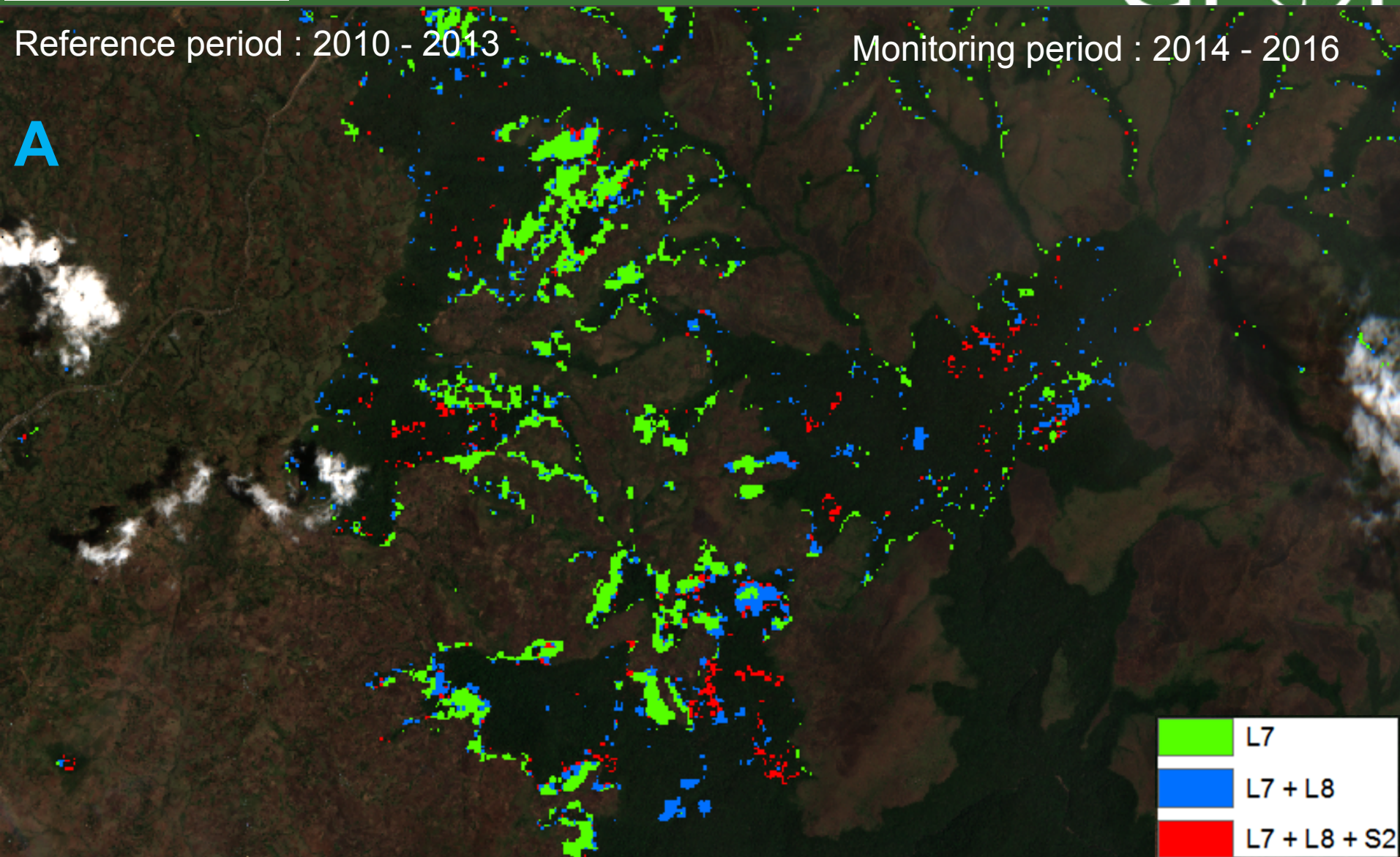
Background image : Sentinel-2 08 – 03 - 2016



Reference period : 2010 - 2013

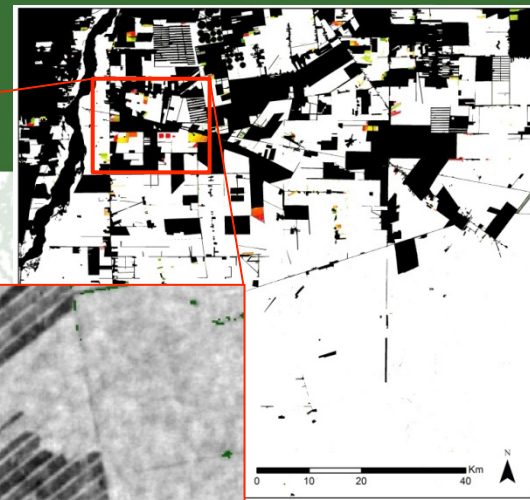
Monitoring period : 2014 - 2016

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# Detected Forest Change (harvesting) (10/2015 - 09/2016)

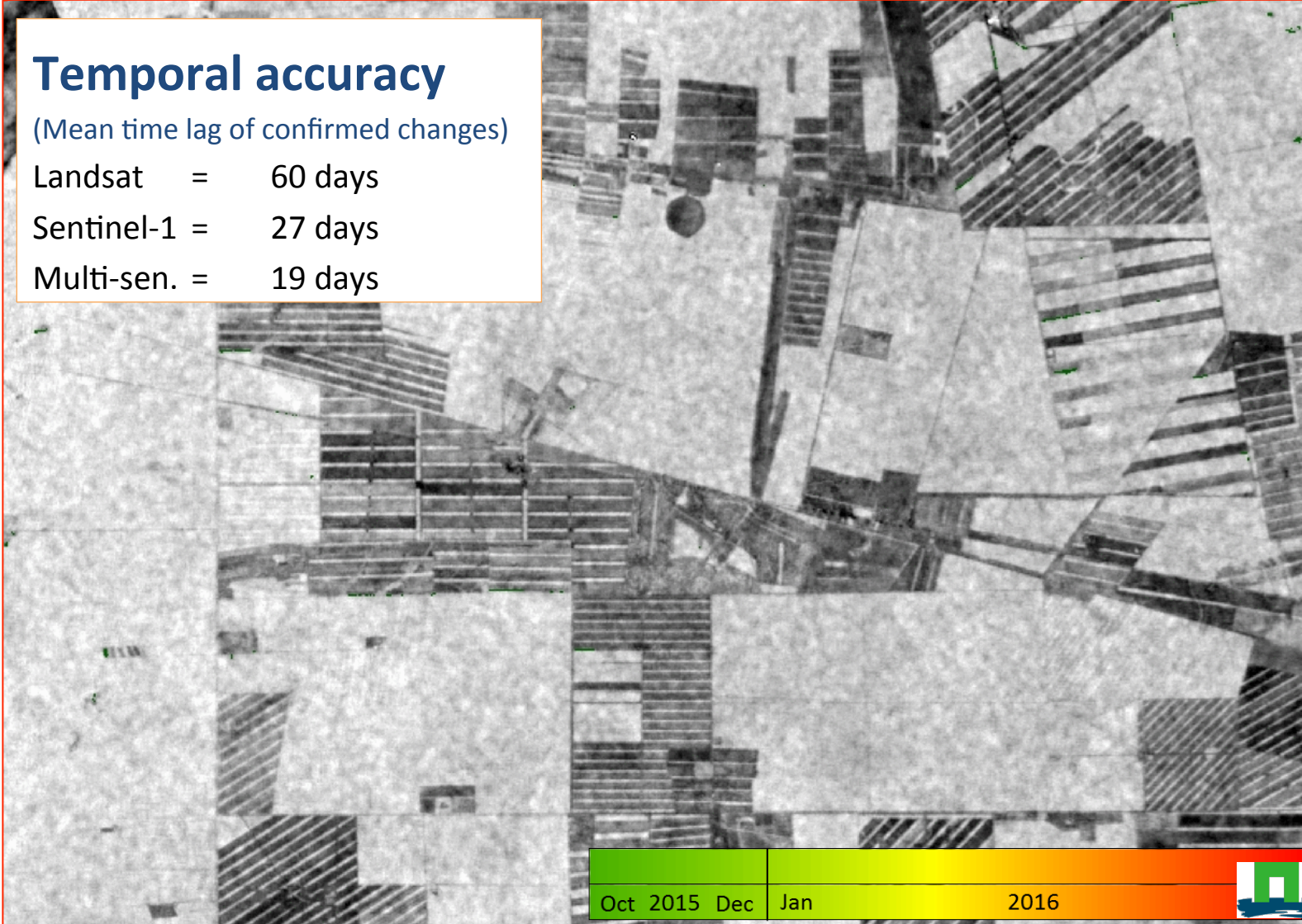
Reiche et al., in review



## Temporal accuracy

(Mean time lag of confirmed changes)

- Landsat = 60 days
- Sentinel-1 = 27 days
- Multi-sen. = 19 days



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## Outline

- ESA will issue in summer 2017 an Invitation To Tender (ITT) for a three years contract of the GOFC GOLD LC Project Office;
- RDC will be embedded in overall contract activities;
- ITT will be open to entities of ESA member states;
- RDC Budget: ~ 70 – 80 k€ per year

## Activities

- **Coordinate R&D activities** and strengthen the link to other GFOI components;
- Identify **R&D gaps** and **country related R&D needs**;
- Maintain and update **of R&D plan** and prioritise activities;
- Foster **cooperation on implementation** of R&D activities;
- Organize **Expert Workshops** on dedicated R&D topics;
- Create opportunities for **scientific exchange** and outreach via a GFOI Science Forum and dedicated sessions at conferences;
- Identify and **foster opportunities for funding** of GFOI R&D plan elements;
- **Synthesize research outcomes** in technical reports, assess advancement of their maturity (CARL) and status for inclusion into the MGD;
- Distribute and **promote** GFOI related research;

## Background

- Initial discussions with EC on GFOI R&D proposal under H2020 (S. Briggs);
- Already references to GFOI in calls and expected project contributions to MGD, but suitable H2020 call still to be identified;
- Open call with strong competition;
- Expected proposal coordinator by RDC within GOFC GOLD LC PO;

## Draft Outline (ideas welcome)

- Address GFOI R&D plan and issue an embedded call for dedicated R&D actions;
- Coordinate biomass in-situ network to improve emission factors;
- Organize Science Forum and facilitate participation from REDD+ countries;
- Support science exchange between Europe and REDD+ countries;
- Integrated demonstrator over large area ...