

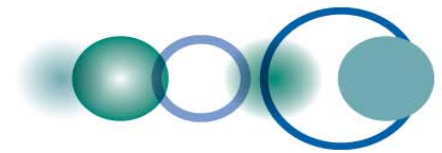
Global Forest Observations Initiative

Progress Since 2011 GEO VIII

GEO Plenary IX
Foz do Iguaçu, Brazil
November, 2012

Miriam Baltuck and Andrew McGee





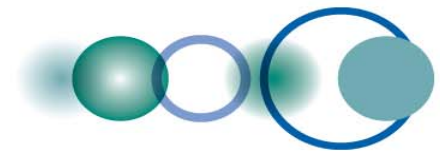
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Background

- In 2008, GEO members developed FCT to demonstrate the feasibility of satellite data for national forest monitoring systems
 - Demonstrations and capacity building in 11 National Demonstrator countries
 - International coordination and cooperation to provide data
- GFOI proposed to explore more formal and sustained arrangements
- GFOI Implementation Plan endorsed at the 2011 GEO Plenary





FCT Network of National Demonstrators



11 ND Countries

- Australia (Tasmania)
- Brazil
- Cameroon
- Colombia
- DR Congo
- Guyana
- Indonesia (Sumatra, Kalimantan)
- Mexico
- Nepal
- Peru
- Tanzania

From 2009

- Brazil
- Guyana
- Mexico
- Indonesia
- Australia
- Cameroon
- Tanzania

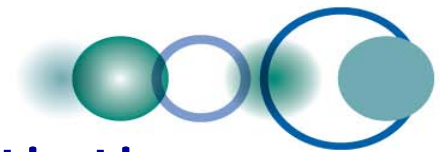
From 2010

- Colombia
- DR Congo
- Peru

From 2011

- Nepal

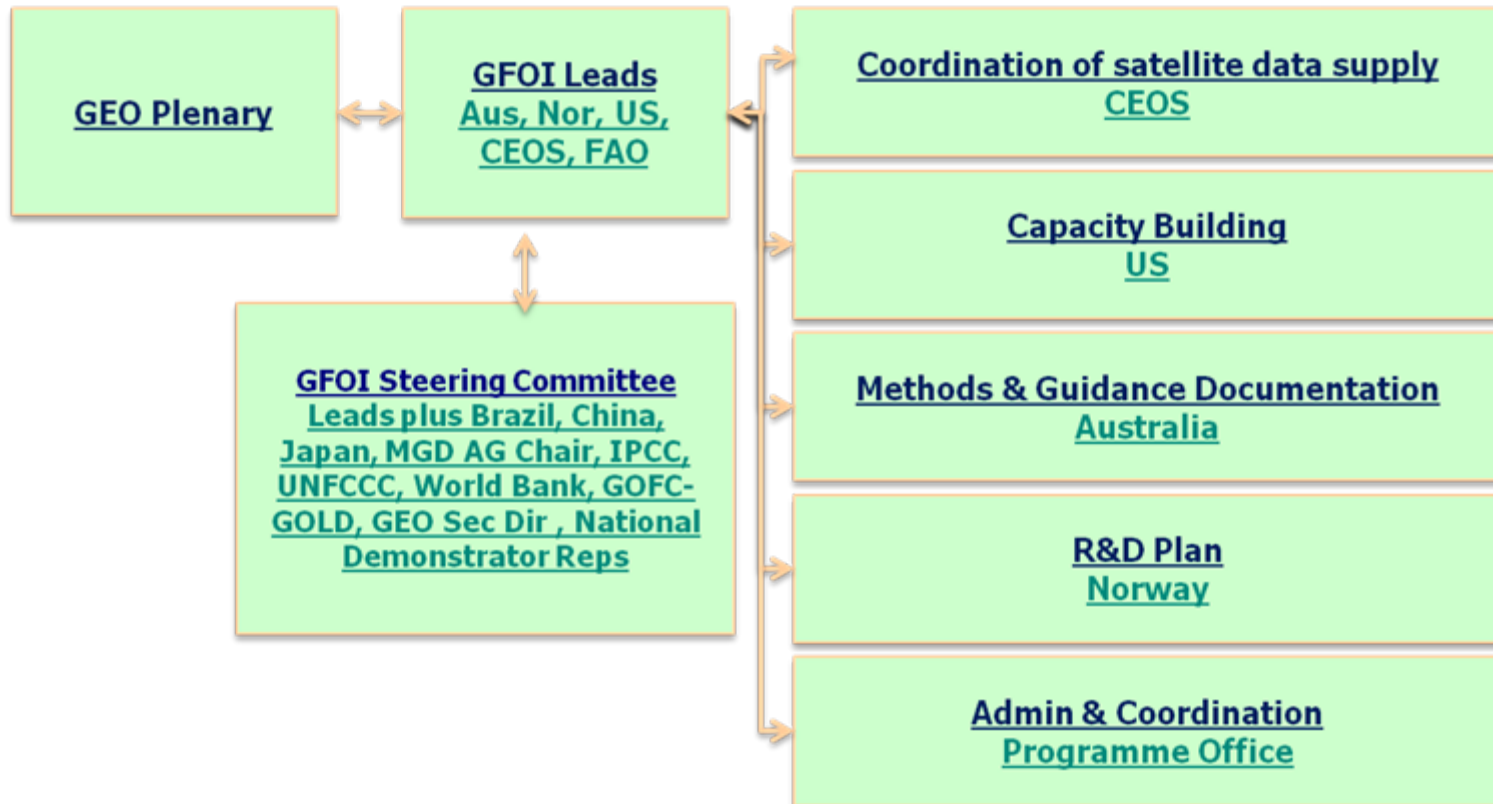




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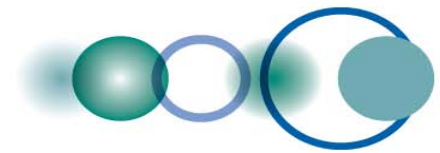
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Development of a governance structure around the 5 components



GFOI and FCT elements in all components

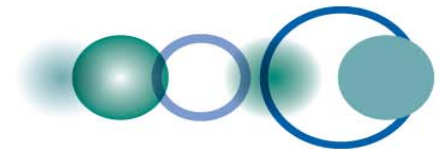




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Coordination of satellite data supply

- Fundamental to GFOI objectives
- Supports all countries' participation in reporting
- Ad-hoc SDCG established by CEOS in support of GFOI needs with good participation from necessary agencies
- Good progress towards baseline global strategy
- Anticipate the report before SIT-28
- SDCG seen as an important new capability for CEOS/GEO

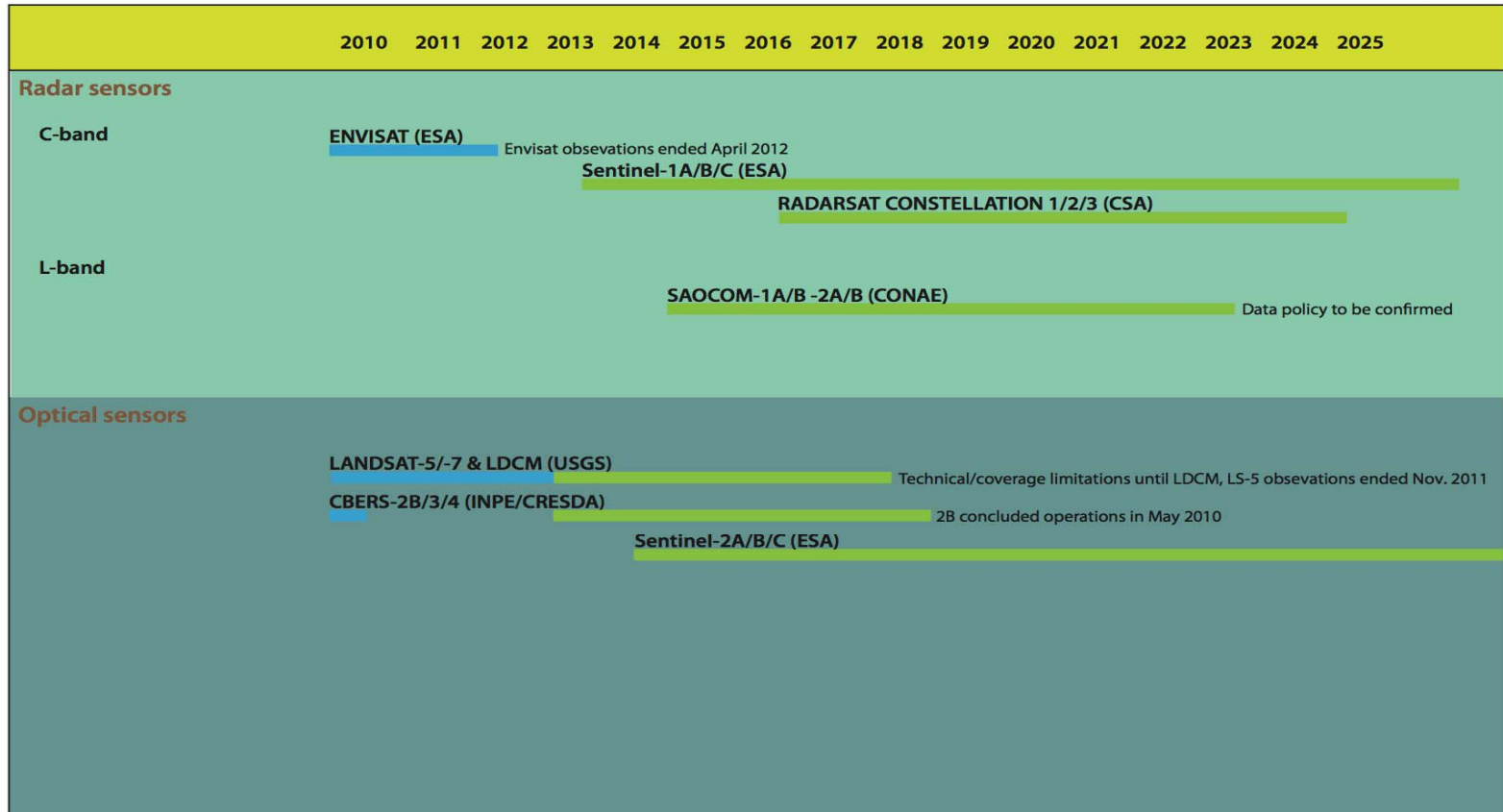


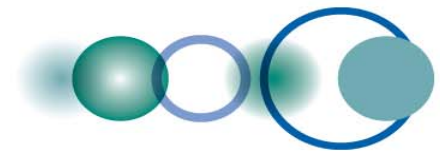
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Coordination of satellite data supply
CEOS

Sub 30m core satellite data streams for continuous, annual, global coverage

November 2012





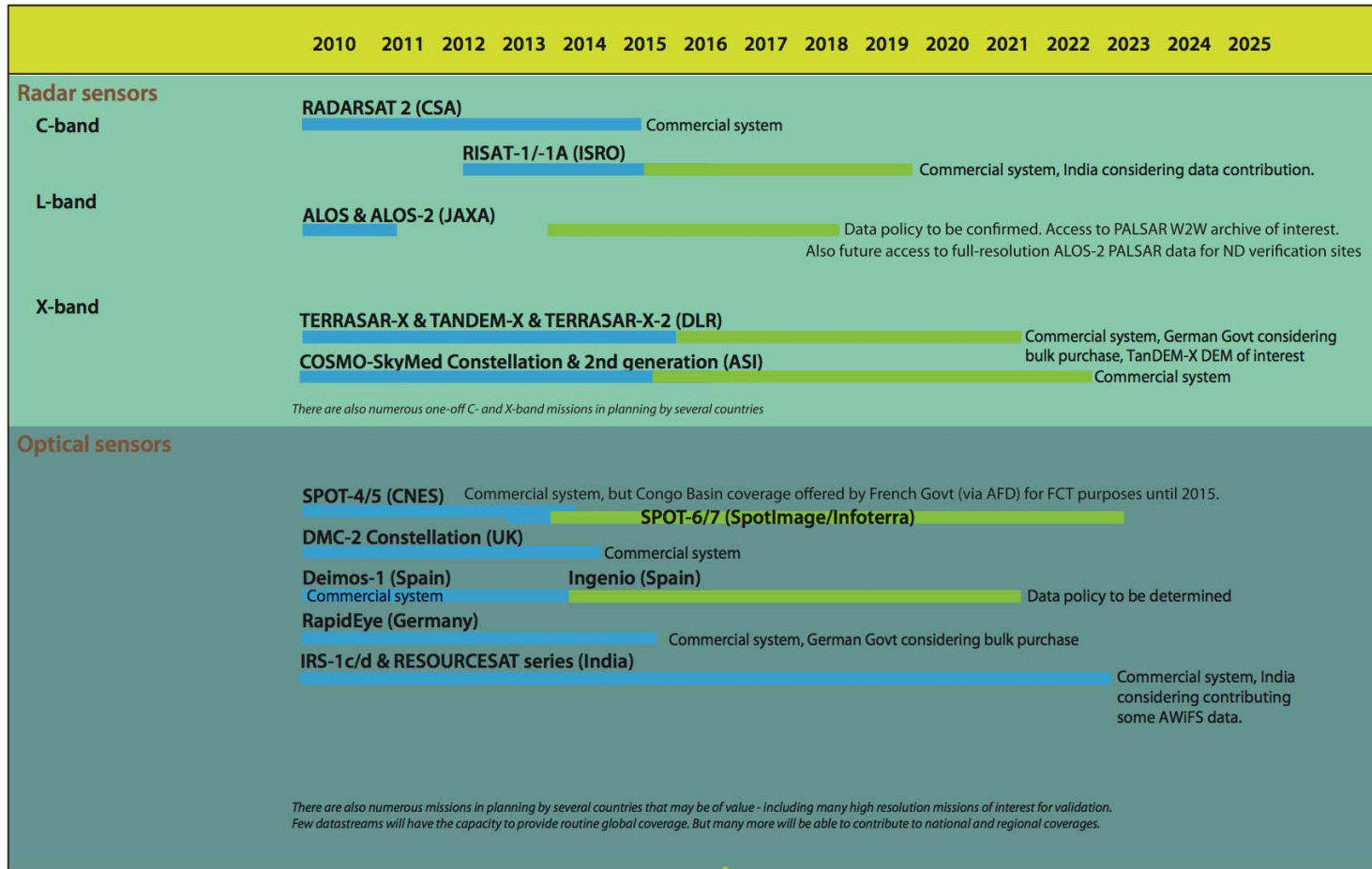
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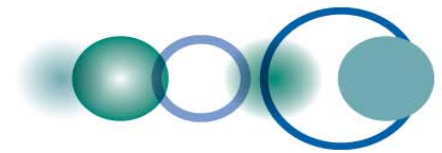
Coordination of satellite data supply

CEOS

Further data streams of interest

November 2012





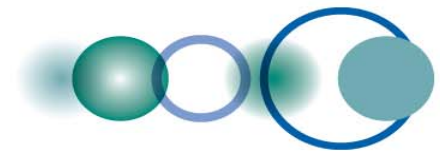
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Capacity Enhancing

Help nations develop capacity to utilise Earth Observation data in credible national forest monitoring systems

- 9 workshops in the Americas and Asia in 2011 and 2012
- Ongoing bilateral collaboration
 - Aus-Indonesia's International Forest Carbon Initiative
 - Norway-Tanzania
- Silvacarbons plans geographic broadening in 2013/14





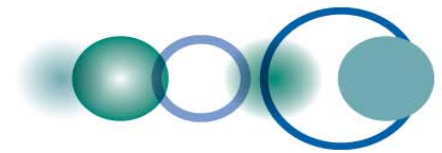
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Methods & Guidance Documentation

user-friendly reference for the use of remotely-sensed data and methodologies and ground –based data in the establishment of countries' National Forest Monitoring and Carbon Tracking systems, compatible with eventual funding through REDD+

- Advisory Group and Authors Team assembled
- Draft document in development
- Review and field testing 2012-2013
- To be submitted for endorsement at GEO-X





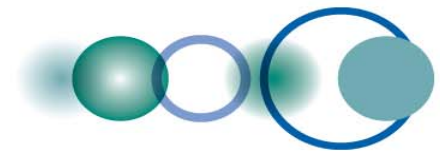
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Research & Development Plan

*Areas where research is needed in support of GFOI objectives
(new sensors, capabilities, methodologies...)*

- E.g. Forest Degradation, mapping of particular forest types (mangrove, peat forests, etc), comparison of forest biomass and allometrics estimation methodologies, data-model integration
- RFP issued to address forest degradation characterisations
- Exploring complementary interests with research-funding organisations





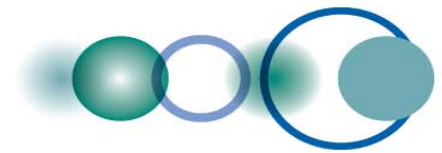
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Administration & Coordination

Coordination and communication across the range of stakeholders including advisory, and leadership bodies, the participating science and technology community, participating forest countries, the UN bodies intended as recipients of forest country reports, potential donors, etc.

- The GFOI Lead Team released a detailed work plan for 2012 and 2013
- Vacancy announcement for a GEO Secretariat-based GFOI Office Manager released in October
- Co-Leads will continue their significant efforts in supporting GFOI and its actions
- A goal for 2013 is to identify candidate host organisations for a longer term venue for the GFOI Office





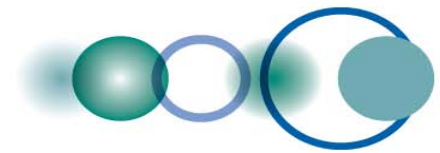
Challenges and Next Steps--GFOI data secured through CEOS

In support of the monitoring and assessment of carbon sequestration capacity of the world's forested regions, CEOS will continue its coordinated acquisition and provision of essential satellite data for GFOI

In 2013, CEOS will expand coverage to the tropical and subtropical forest region with the aim of eventual global coverage of all forested regions in 2015.

CEOS and GFOI will give priority to mobilising EO data for GFOI participating countries and their national forest inventories in 2013.



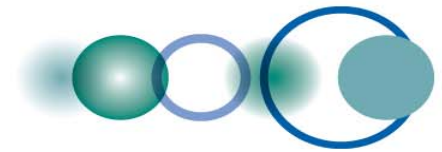


Challenges and Next Steps - Participation

As GFOI moves from demonstration phase to sustained routine activity we also need to provide for expansion of participation.

- Roles and responsibilities of GFOI and participating countries
- Next steps and roles in approaching/responding to interested countries
- Avenues for transition of National Demonstrator countries from demonstration phase to sustained routine participation in FCT/GFOI
- Criteria for addition of new countries including official recognition of participation toward mutually agreed end goals and pathway. These criteria will also reflect priorities of UN REDD+, FAO, World Bank FCPF, GEF
- Strategic framework for capacity enhancing
- **Participation of additional donor countries and organisations in GFOI— mobilise resources and coordinate capacity enhancement**





Global Forest Observations Initiative Challenges and Next Steps

*4th Science Data Summit
Sydney , the 6-8 of February 2013
www.gfoi.org*

*Come and talk science
Come and discuss participation
Drive carefully!*

