

# From Earth Observations to Earth Action: Satellite Applications for

#WCC\_9634

Sunday, September 4<sup>th</sup>: 14:30-19:00

IUCN World Conservation Congress 2016

## Remote Sensing, the IUCN Programme (2017-2020), and Supported Conservation Initiatives

Remote sensing data products can play a role in supporting many international conservation initiatives and the achievement of the proposed IUCN Programme Areas (2017-2020). Below you will find a list of these goals and the portals, web tools, and topics presented in this Conservation Campus that support them.

### IUCN Programme 2017-2020

- 1. Valuing and conserving nature**
- Promoting and supporting effective and equitable governance of natural resources
- 3. Deploying nature-based solutions to address societal challenges including climate change, food security and economic and social development**

<b>Programme Area 1: Valuing and conserving nature</b>	
<ul style="list-style-type: none"><li>• Conserve and enhance natural carbon sinks</li><li>• Increase in coverage of protected areas of important sites for marine, freshwater, and terrestrial biodiversity<ul style="list-style-type: none"><li>○ The IUCN Red List of Threatened Species</li><li>○ The IUCN Red List of Ecosystems</li><li>○ IUCN Green List</li><li>○ Key Biodiversity Areas (KBAs)</li><li>○ Targeted conservation actions lead to the recovery of species and ecosystems</li><li>○ Protected area networks are expanded</li></ul></li></ul> <p>Sustainable Development Goals</p> <ul style="list-style-type: none"><li>• SDG 14.5 (marine protected areas)</li><li>• SDG 15.1 &amp; 15.4 (terrestrial protected areas)</li></ul> <p>Convention on Biological Diversity (CBD)</p> <ul style="list-style-type: none"><li>• Aichi Target 5 (habitat loss reduced)</li><li>• Aichi Target 11 (protected areas increased)</li><li>• Aichi Target 12 (extinctions prevented)</li><li>• Aichi Target 13 (genetic diversity maintained)</li></ul> <p>Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem (IPBES)</p>	<ul style="list-style-type: none"><li>• Animal movement</li><li>• Dynamic habitat index for biodiversity</li><li>• Citizen Science approach to chimpanzee monitoring</li><li>• Map of Life</li><li>• Google Earth Engine</li></ul>

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<p>Convention on International Trade in Species of Wild Fauna and Flora (CITES)</p>	
<p><b>Programme Area 2: Deploying nature-based solutions to address societal challenges including climate change, food security and economic and social development</b></p>	
<p>Ramsar Convention</p> <p>United Nations Framework Convention on Climate Change (UNFCCC)</p> <p>REDD+</p> <p>United Nations Convention to Combat Desertification (UNCCD)</p> <p>Sustainable Development Goals</p> <ul style="list-style-type: none"> <li>• SDG 14.5 (marine protected areas)</li> <li>• SDG 15.1 &amp; 15.4 (terrestrial protected areas)</li> </ul>	<ul style="list-style-type: none"> <li>• Vegetation carbon stock corridors</li> <li>• New and emerging uses of remote sensing for land change detection</li> <li>• Firecast Success Stories – near real-time monitoring for improved landscape management</li> <li>• Google Earth Engine</li> <li>• Coral Reef Watch</li> <li>• Firecast (Near Real-Time Monitoring)</li> <li>• Global Forest Watch</li> <li>• MODIS tool</li> </ul>