

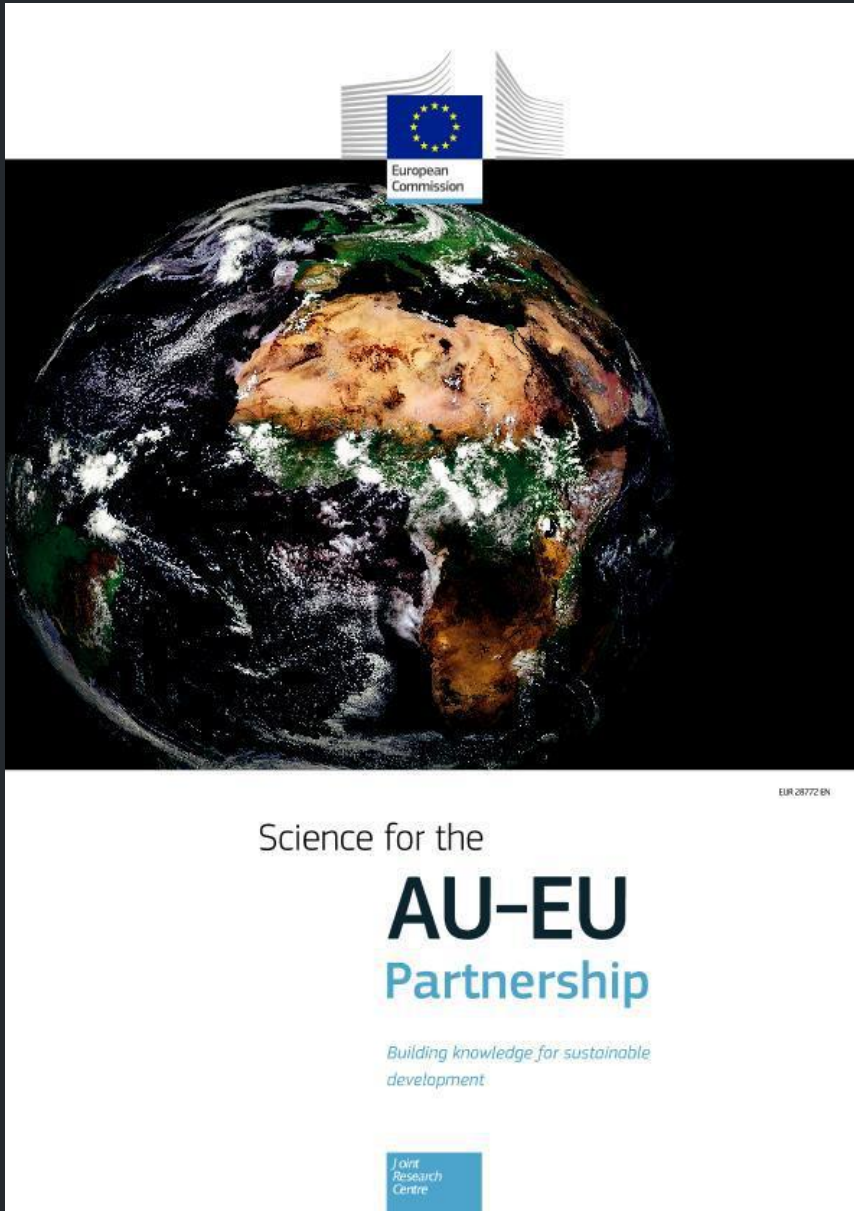
Science-Policy Knowledge Platform for Africa

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Knowledge for Sustainable Development and Food Security Unit
Joint Research Centre, Ispra, Italy



JRC Flagship Report on Africa 2017



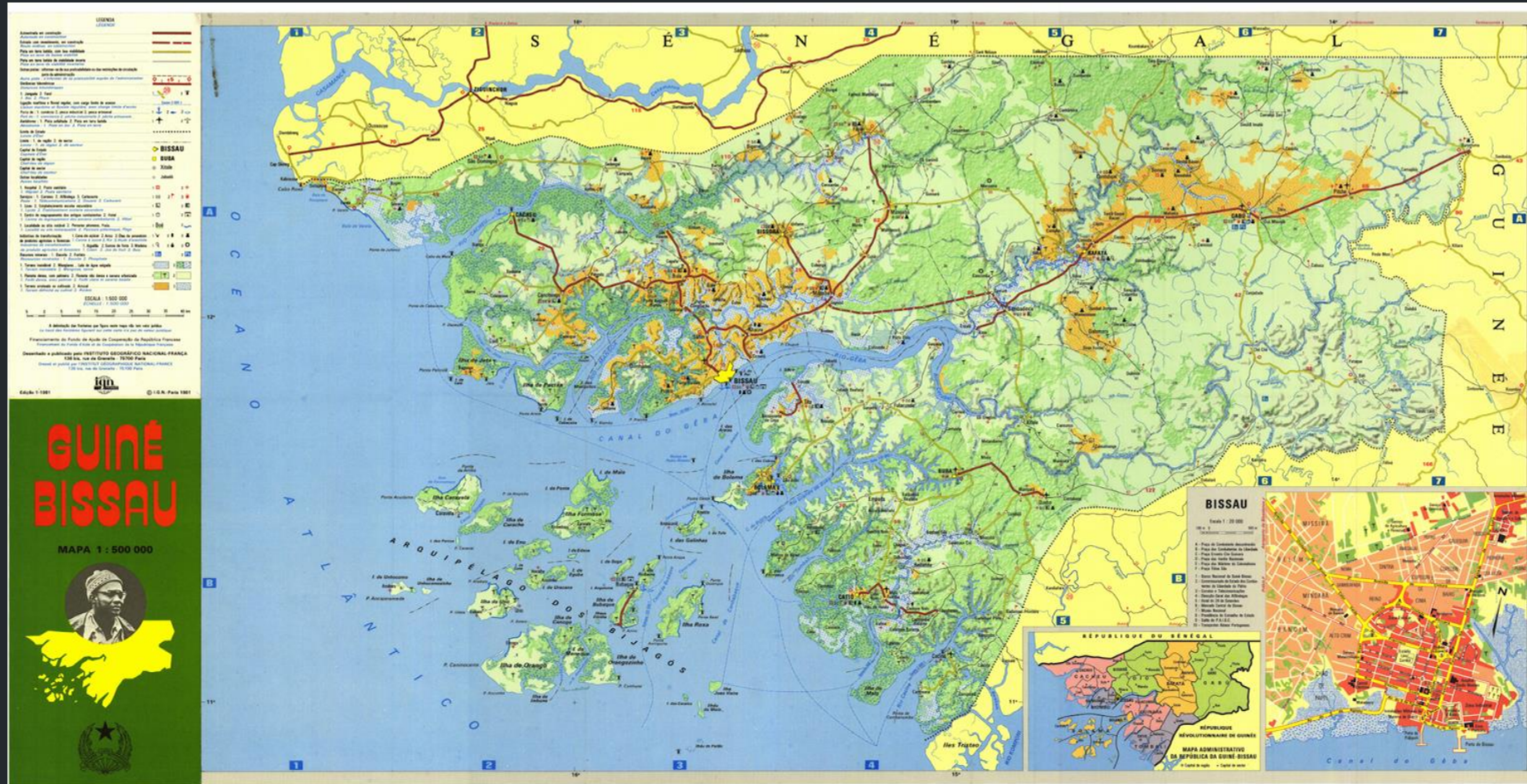
Broad range of science-policy themes
Long track record and well-established partnerships
Need for coordination

Common threads of knowledge management, earth observation,
geospatial

Follow-up “stock-take” 2018

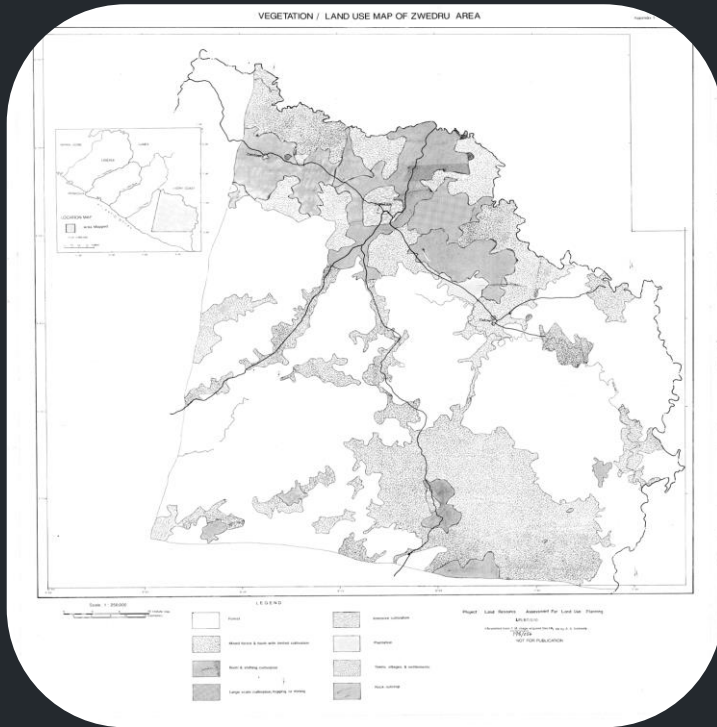
Establishment of a JRC Africa Task Force
New JRC project – “Africa Platform”

The story so far

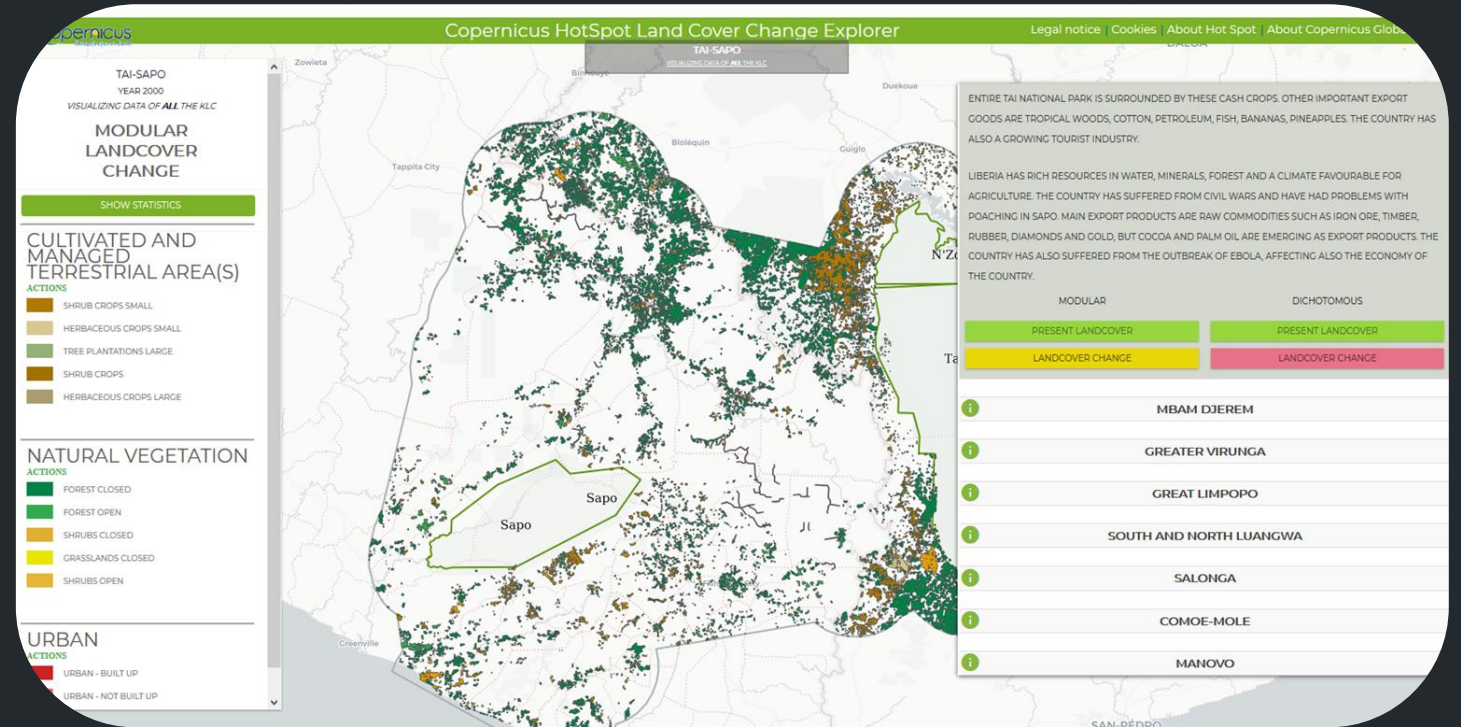


The story so far

1980's

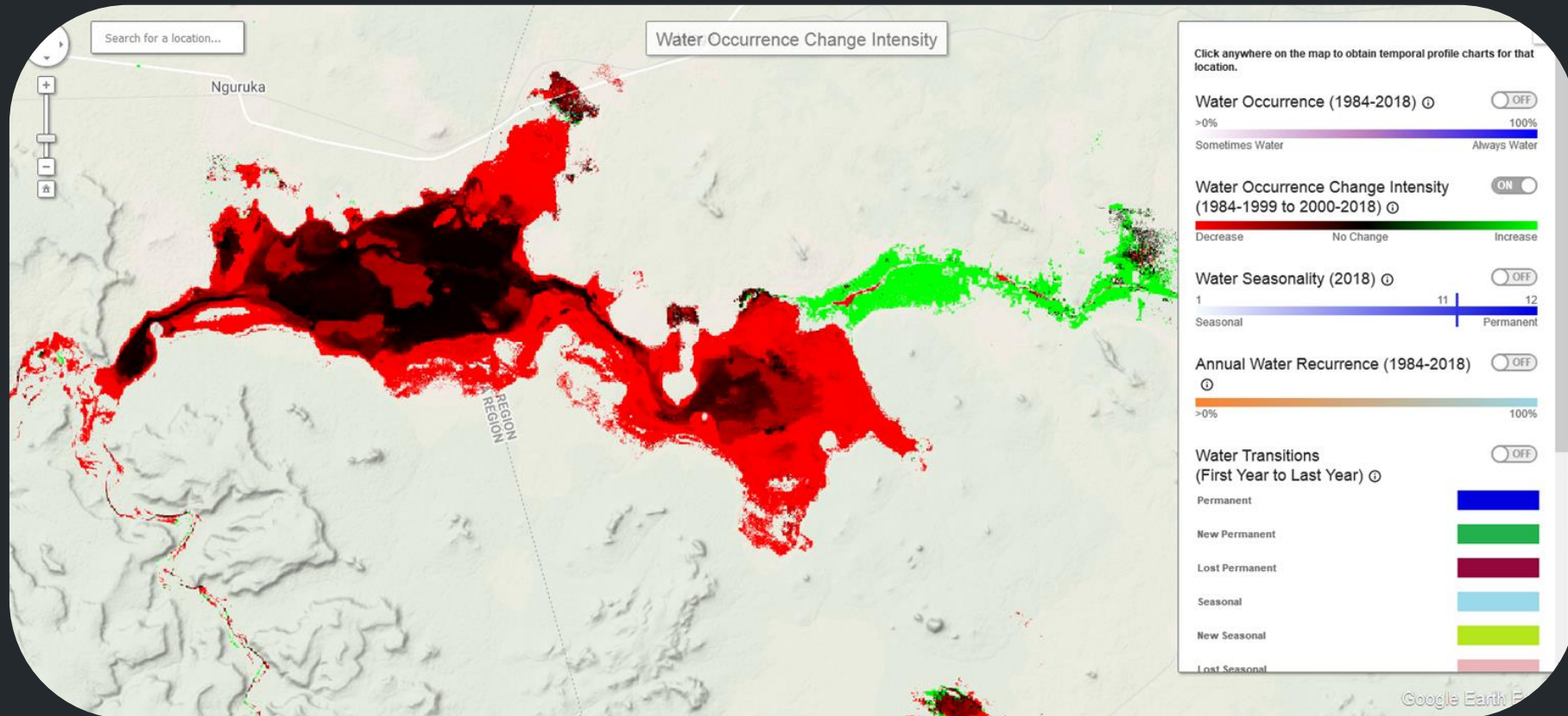


2019



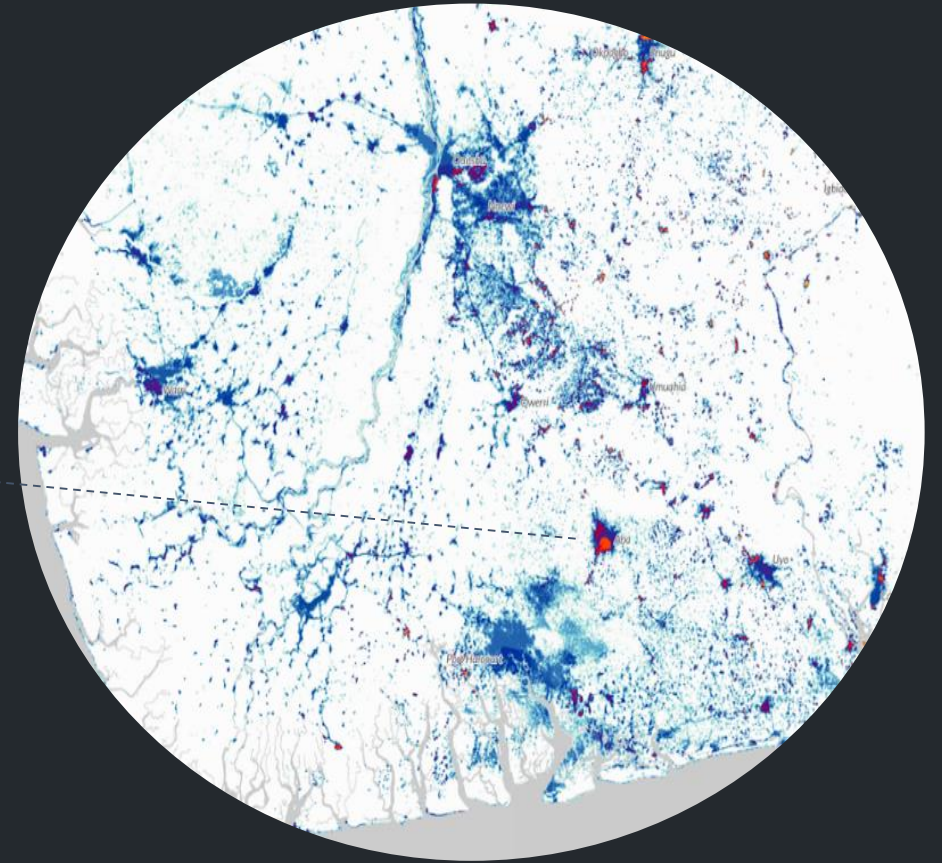
Copernicus hotspot land cover change explorer

The story so far



Global surface water explorer

The story so far



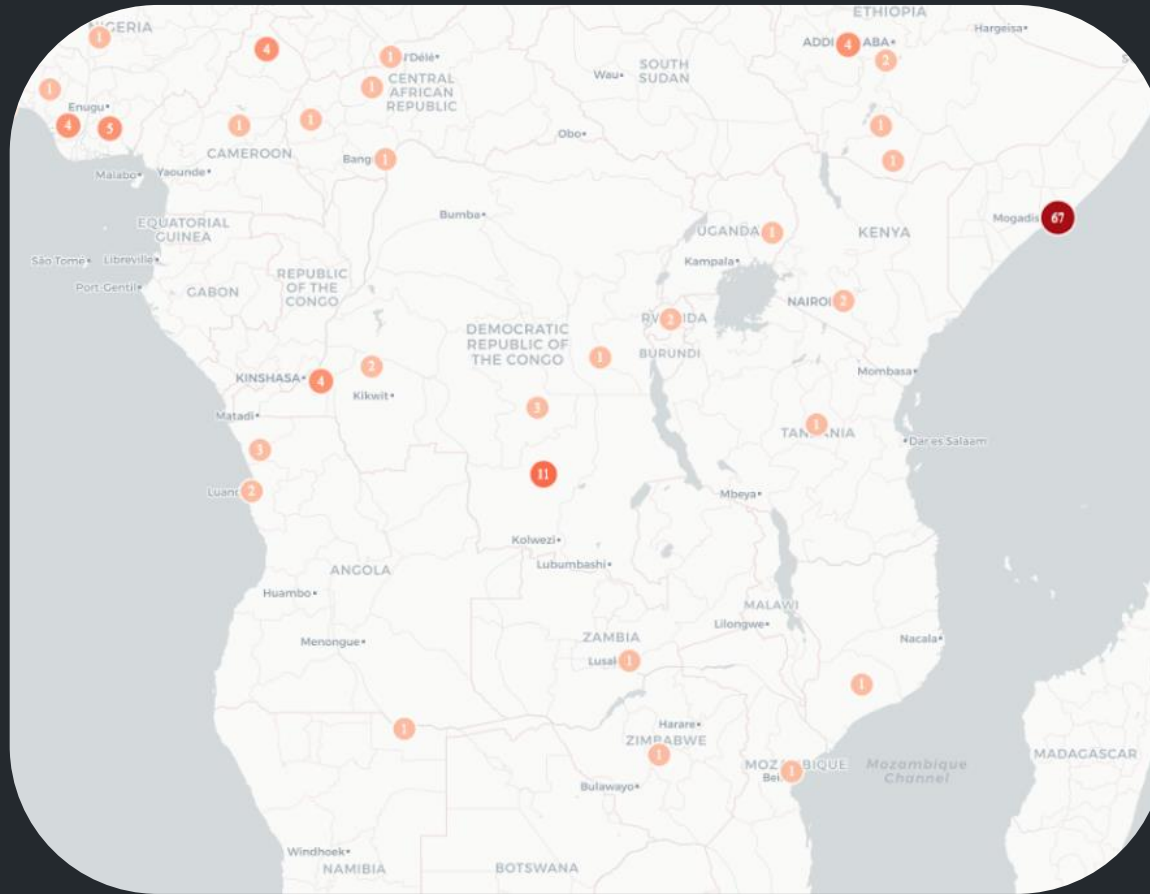
Global Human Settlement Layer

The story so far



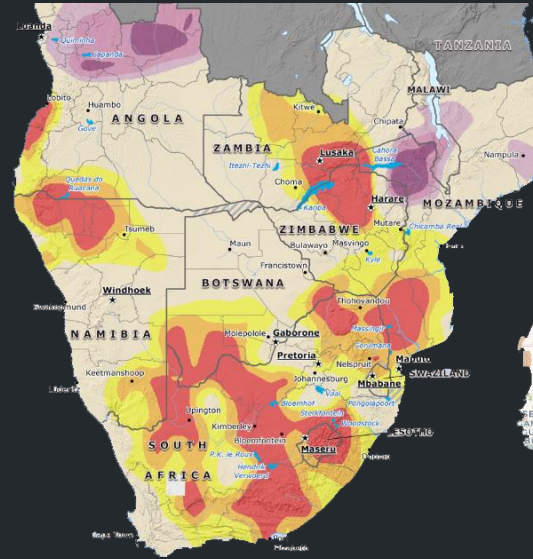
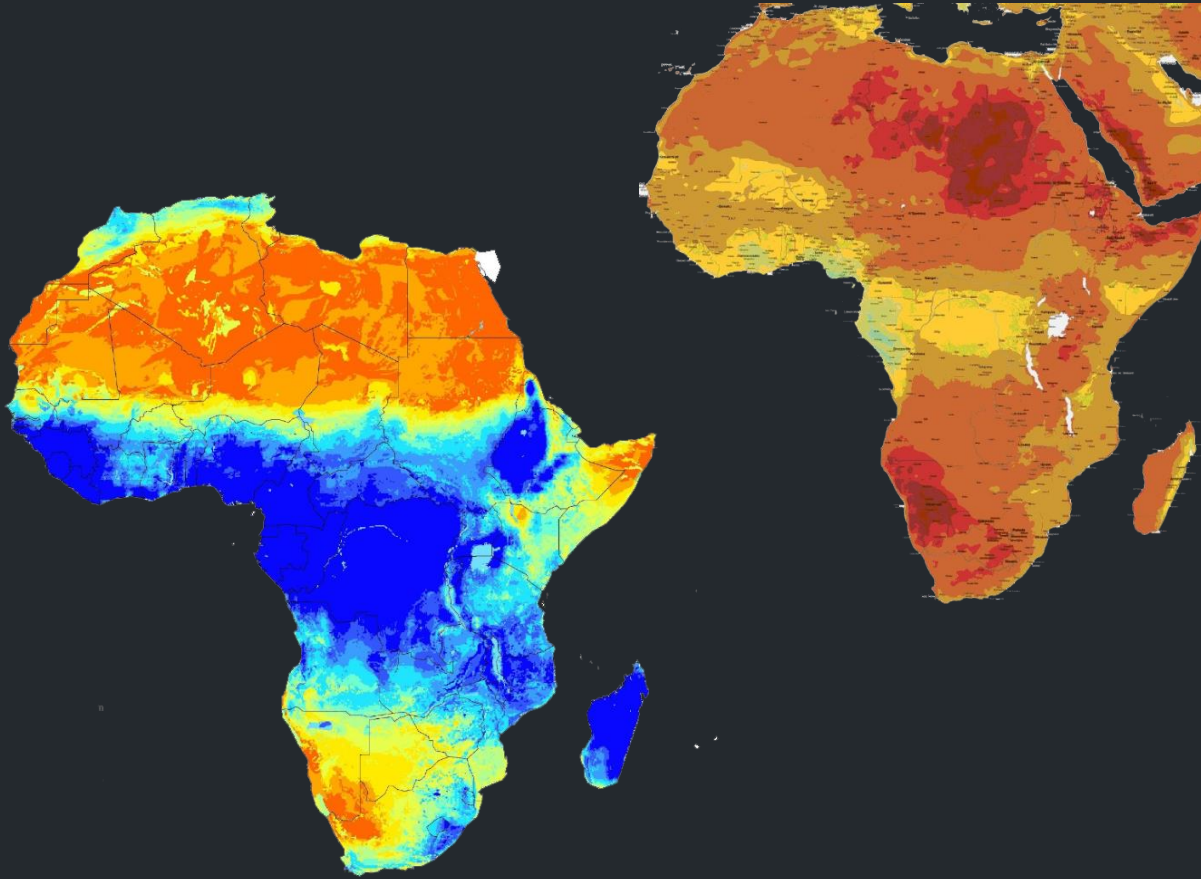
Soil atlas of africa

The story so far



Real time news

The story so far



The story so far



Platform prototype

European Commission - Joint Research Centre

HOME MAP COUNTRIES GET INVOLVED TEAM

EC Africa Knowledge Platform

EC Knowledge on Africa

EXPLORE

<h3>Environment</h3> <p>Biodiversity, Forests, Oceans, Protected Areas, Water.</p>	<h3>Society</h3> <p>Education, Growth & Inequality, Politics, Technology, Tourism, War & Peace.</p>
<h3>Population</h3> <p>Population Growth, Migration, Life Expectancy, Gender Ratio, Infant Mortality, Life Expectancy, Fertility Rate, Diseases.</p>	<h3>Energy</h3> <p>Energy Production, Fossil Fuels, Renewable Energy.</p>
<h3>Food and Agriculture</h3> <p>Land Use in Agriculture, Yields, Food per Person, Crop Health.</p>	<h3>Climate</h3> <p>Emissions, Air Pollution, Natural Disasters</p>

<h3>Goal 1</h3> <p>End poverty in all its forms everywhere.</p>	<h3>Goal 2</h3> <p>End hunger, achieve food security and improved nutrition and promote sustainable agriculture.</p>	<h3>Goal 3</h3> <p>Ensure healthy lives and promote well-being for all at all ages.</p>	<h3>Goal 4</h3> <p>Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.</p>	<h3>Goal 5</h3> <p>Achieve gender equality and empower all women and girls.</p>	<h3>Goal 6</h3> <p>Ensure availability and sustainable management of water and sanitation for all.</p>
<h3>Goal 7</h3> <p>Ensure access to affordable, reliable, sustainable and modern energy for all.</p>	<h3>Goal 8</h3> <p>Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.</p>	<h3>Goal 9</h3> <p>Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.</p>	<h3>Goal 10</h3> <p>Reduce inequality within and among countries.</p>	<h3>Goal 11</h3> <p>Make cities and human settlements inclusive, safe, resilient and sustainable.</p>	<h3>Goal 12</h3> <p>Ensure sustainable consumption and production patterns.</p>
<h3>Goal 13</h3> <p>Take urgent action to combat climate change and its impacts.</p>	<h3>Goal 14</h3> <p>Conserve and sustainably use the oceans, seas and marine resources for sustainable development.</p>	<h3>Goal 15</h3> <p>Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and ...</p>	<h3>Goal 16</h3> <p>Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.</p>	<h3>Goal 17</h3> <p>Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.</p>	

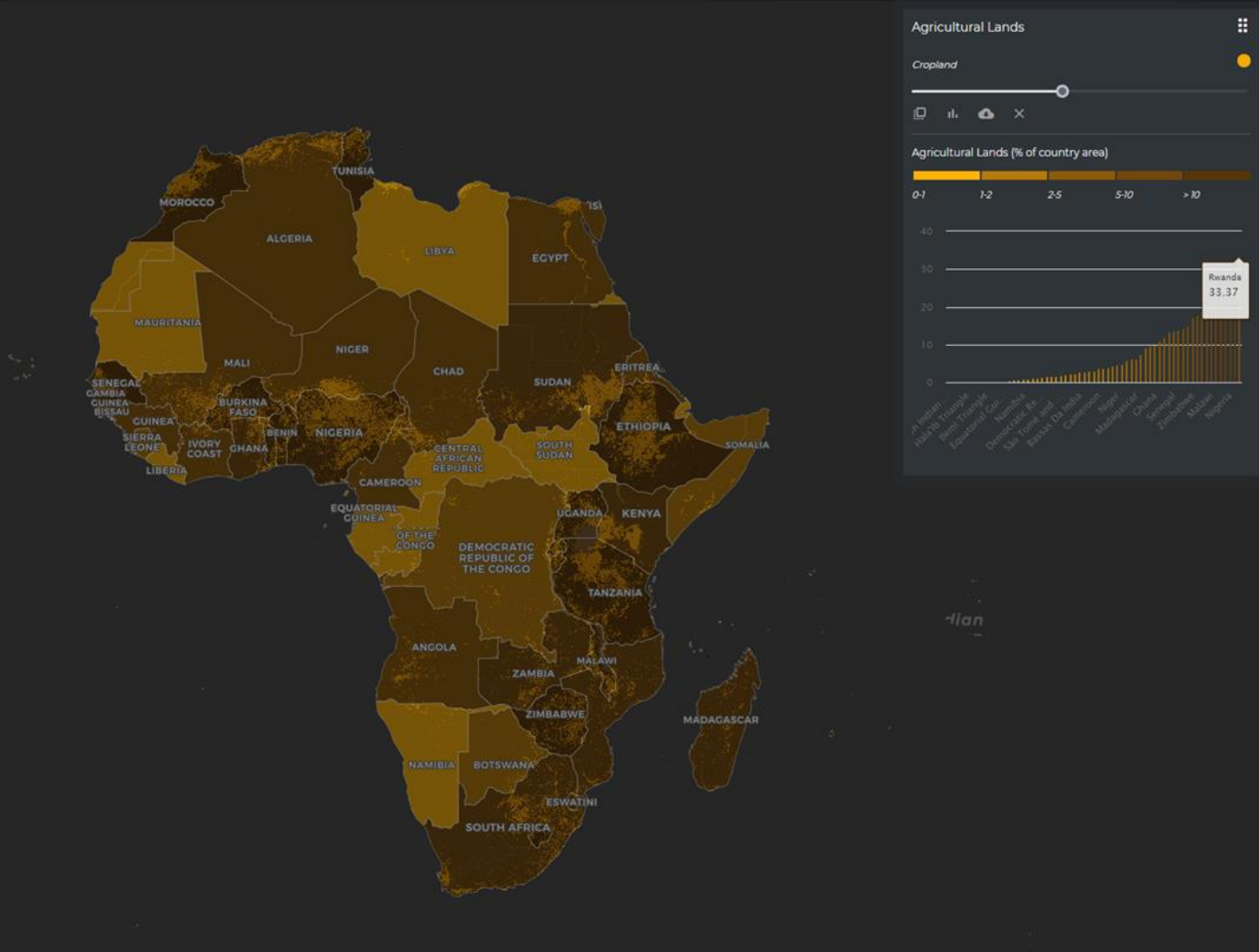
Thematic web GIS tools

Search for datasets

Topic: Sustainable Development Goals

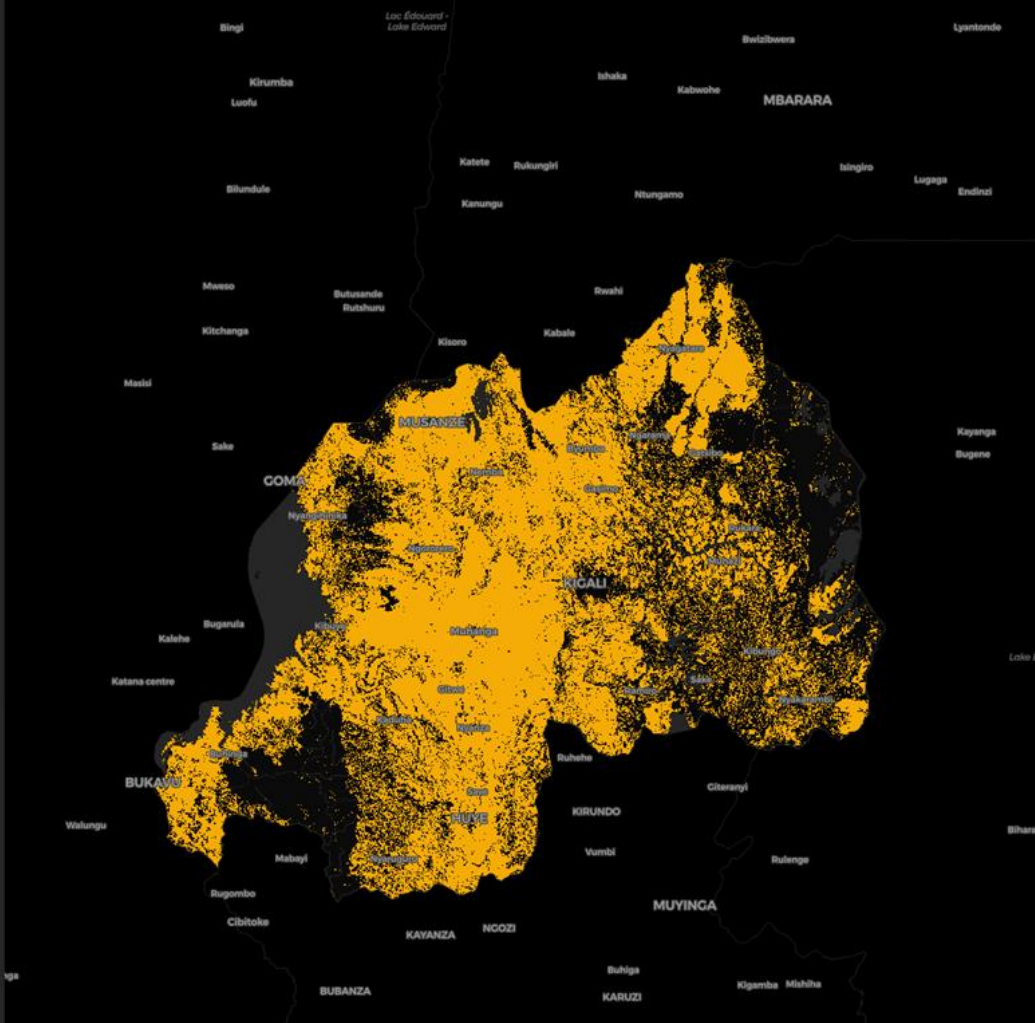
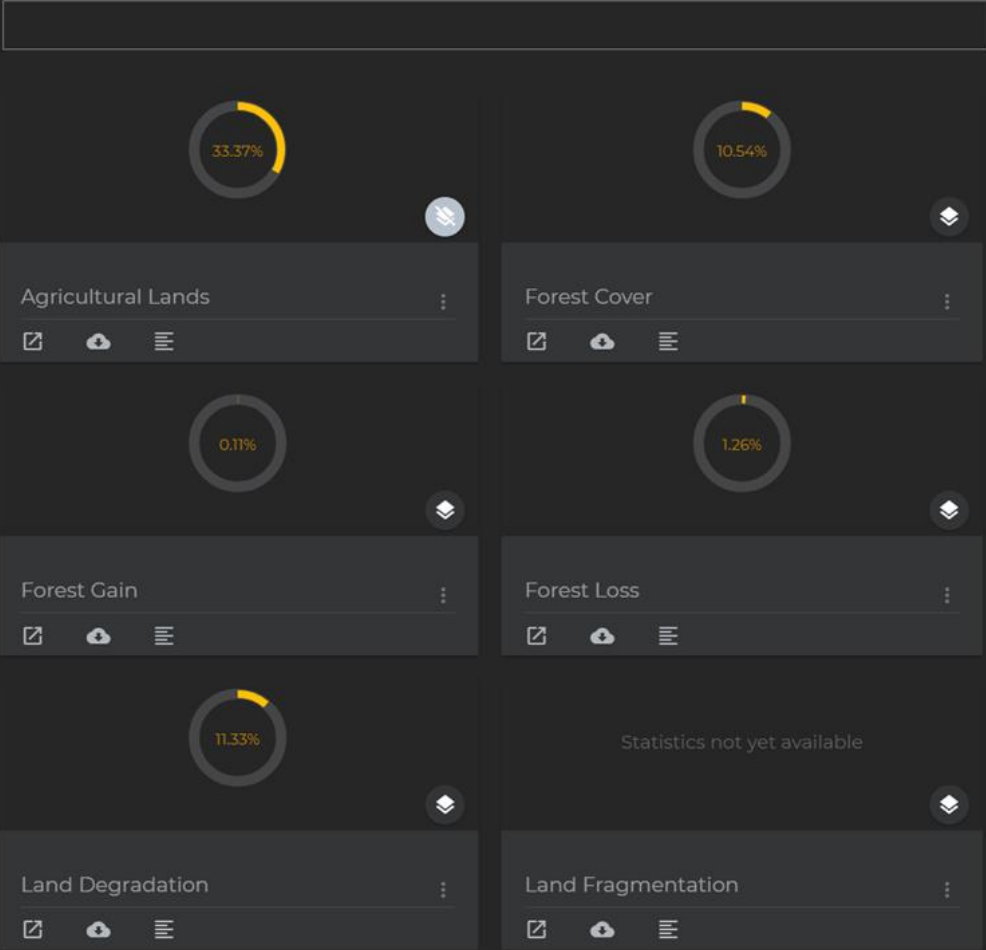
RESET

- Agricultural Lands
- Forest Cover
- Forest Gain
- Forest Loss
- Land Degradation
- Land Fragmentation



Country dashboard

Rwanda



Platform Goals

Position JRC as a leading **knowledge broker on Africa**, supporting common policy priorities of both the EU and the AU

Improve efficiency of delivery of data and knowledge on Africa, through a **single-entry point at EC level**

Enhance **connections between JRC Units** working on Africa and enlarge and strengthen our African partnerships

Platform Scope

- All-Africa
- Initial Focus on Geospatial and Earth Observation
- Adding an Africa Narrative to Existing Data and knowledge
- AUC-JRC liaison?
- Showcase the JRC Knowledge Management principles in action, with an Africa focus
- Re-Use of existing data and tools, and emphasizing integration
- Signposting to JRC Africa projects and tools
- Addressing knowledge needs of DG's and EEAS
- Careful evaluation of related external initiatives such as ESA's EO4Africa, Digital Earth Africa, ESRI Africa GeoPortal, UN World Environment Situation Room etc and possible linkages to be explored.
- Externally facing, with additional intranet