

World Environment Situation Room

– *Initial concept / demonstration*

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Features

Quick updates and access

Using cloud technology

Processing

Intersection, change detection, trend analysis,...

Interrogation

User can interrogate and query

Search

One entry search for data, and publications

Visualisation

Display and visualisation of data.
Such as graphs, tables, maps, story maps, dashboards

Interoperability

Full interoperability using standard format and OGC webservice.
Downloads



UN Environment functional needs



Assessments

GEO, Emissions Gap Report, IPCC, IPBES, Regional Seas Quality Status Report,...



Foresights

SDG, Foresight Briefs, emerging environmental issues



Monitoring

Global Environmental Monitoring Systems on Water
Air Quality Monitoring
Monitoring Land and Biota Systems
Monitoring the Oceans



Divisions

Science, Ecosystems, Law, Economics, Communications, Policy and Programme, Corporate Service, Governance Affairs Office.



Regions

North America, Latin and Caribbean, Africa, Europe, Asia & Pacific, Polar.



Conventions

CBD, Ramsar, Stockholm, Basel, Montreal, UNFCCC, ...

Designed by PresentationGO.com

Data providers

Satellite, GIS, models, in situ, reporting, stats...

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models, in situ,
reporting, stats...

Data export

Data updated via webservices or stored in Various servers + cloud(s)

Statistics database

Vector database

Raster Database

Satellite images

Documents

The diagram illustrates the data flow from a Statistics database to a Vector database. On the left, a blue cylinder represents the 'Statistics database'. An arrow points from this cylinder to an orange cylinder on the right, which represents the 'Vector database'. A green cylinder is also present on the right, but it is not connected to the main flow.

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A diagram showing five data sources represented by colored cylinders: Statistics database (blue), Vector database (orange), Raster Database (green), Satellite images (purple), and Documents (grey).

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Structure

The row contains five distinct visualizations:

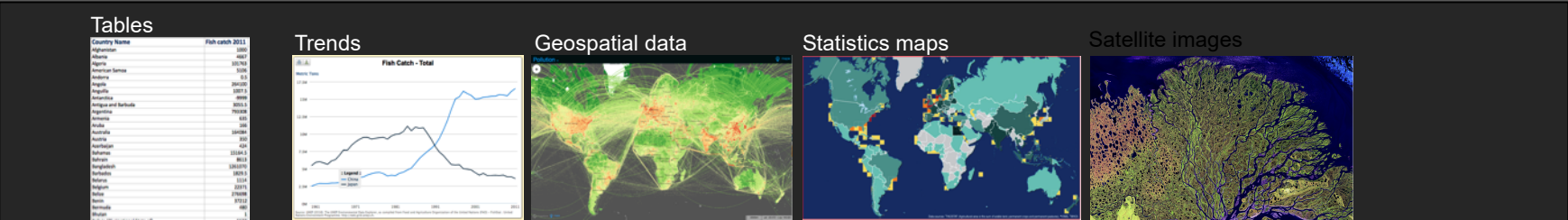
- Tables:** A table with two columns: 'Country Name' and 'Fish catch 2011'. It lists countries and their corresponding fish catch values.
- Trends:** A line graph titled 'Fish Catch - Total' showing fish catch trends from 1960 to 2000. The y-axis represents fish catch in millions of metric tons, ranging from 0.00 to 1.00. The x-axis represents years from 1960 to 2000. A legend indicates 'Total' (blue line) and 'Land' (grey line).
- Geospatial data:** A world map showing a network of green lines connecting various locations, representing geospatial data.
- Statistics maps:** A world map with colored regions (yellow, orange, red, green, blue) representing different statistical categories.
- Satellite images:** A satellite image showing a dense network of green lines, likely representing a forest or a complex network.

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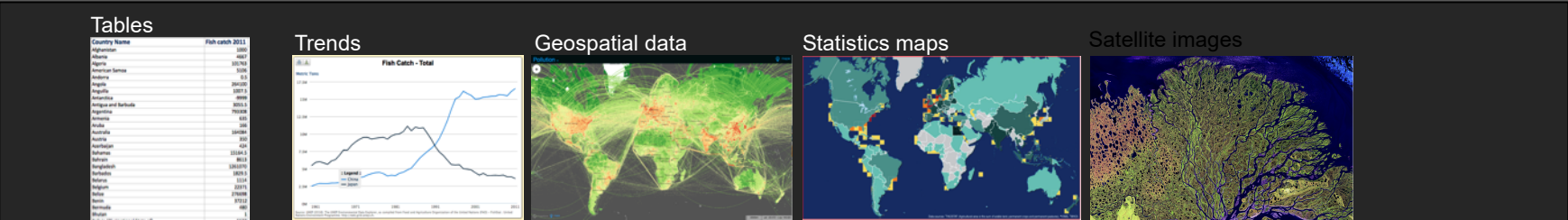
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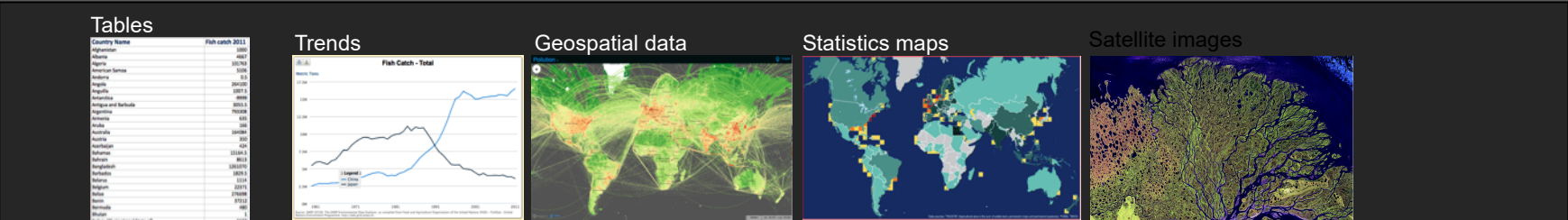
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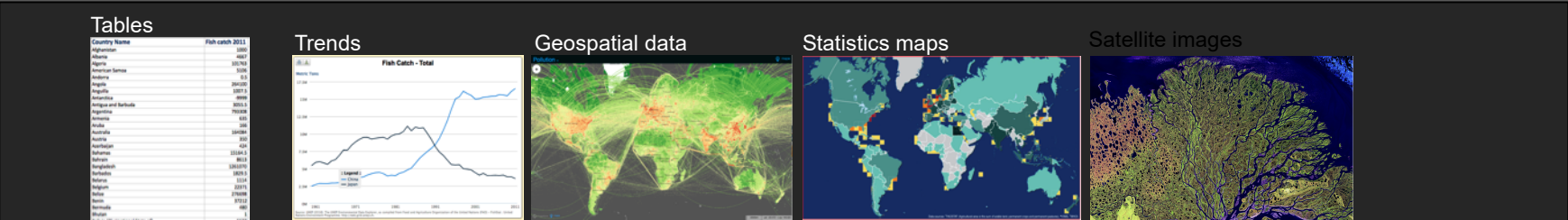
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- Satellite images:** A satellite image showing a dense, green, textured landscape, likely a forest or wetland area.

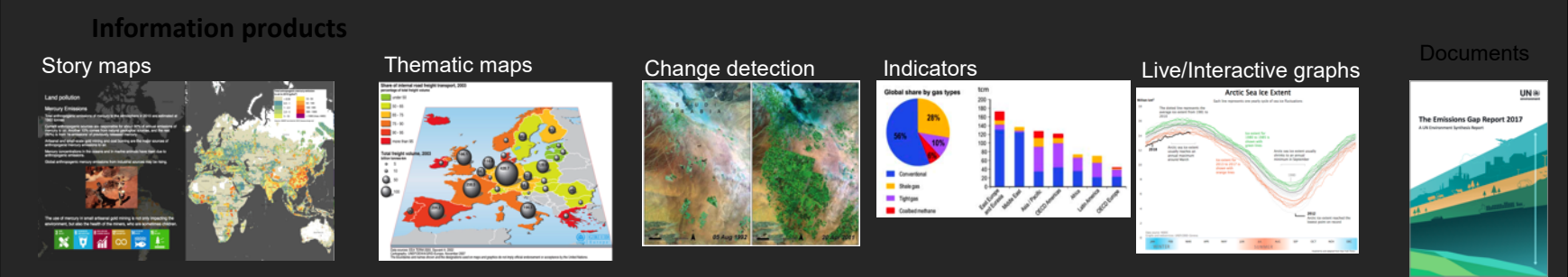


The figure displays a horizontal row of seven information products, each with a title and a representative image:

- Story maps:** An image showing a world map with a legend and a small inset photo of a person.
- Thematic maps:** A 3D map of Europe with colored bubbles representing data points.
- Change detection:** Two side-by-side satellite images of a landscape, showing a change in vegetation over time.
- Indicators:** A pie chart showing the global share by gas types (58%, 28%, 16%) and a stacked bar chart showing energy production by source for various countries.
- Live/Interactive graphs:** A line graph showing the Arctic Sea Ice Extent from 1980 to 2015, with multiple lines representing different data series.
- Documents:** A cover image for the 'The Emissions Gap Report 2017' by the UN Environment Programme.

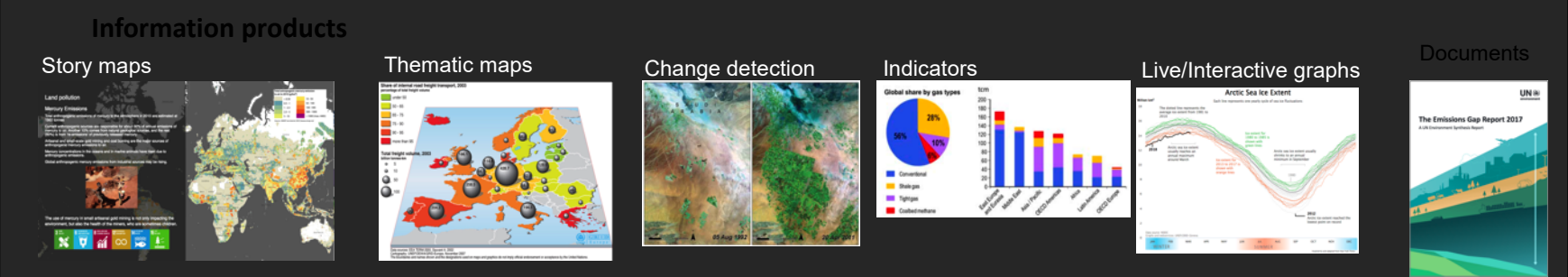
```

graph LR
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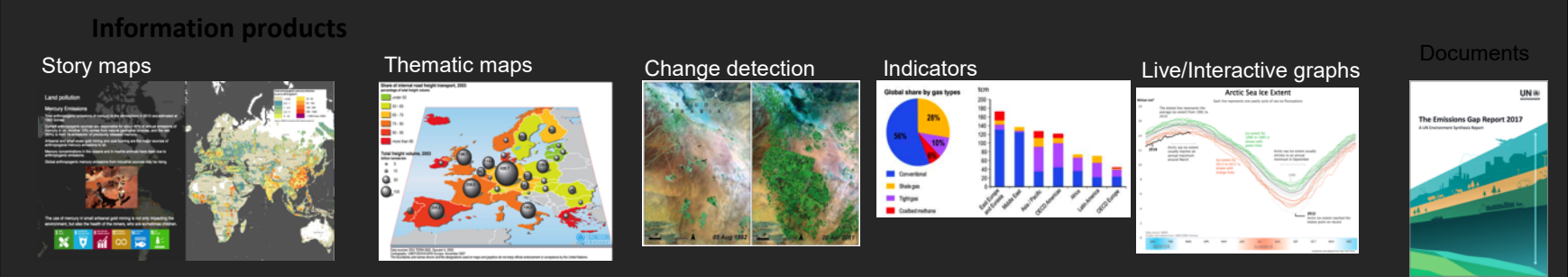
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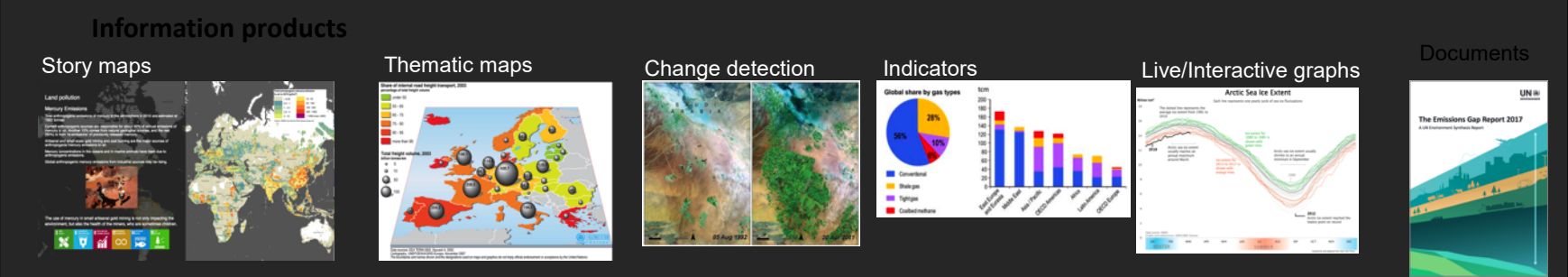
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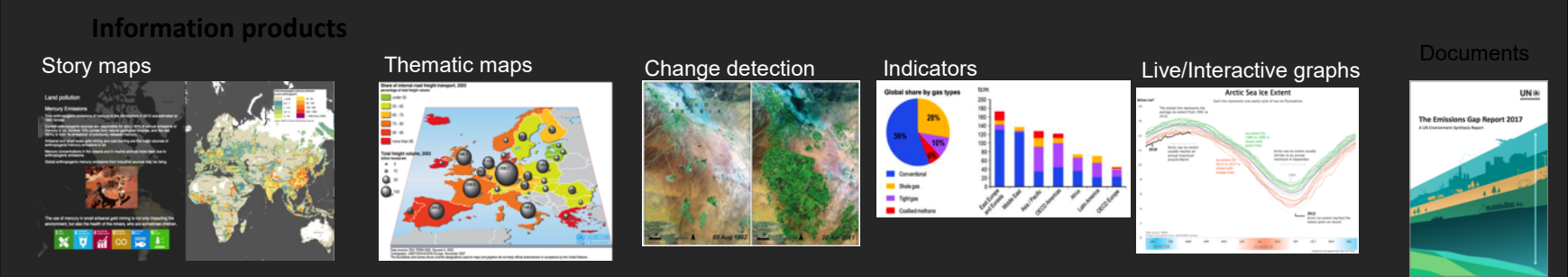
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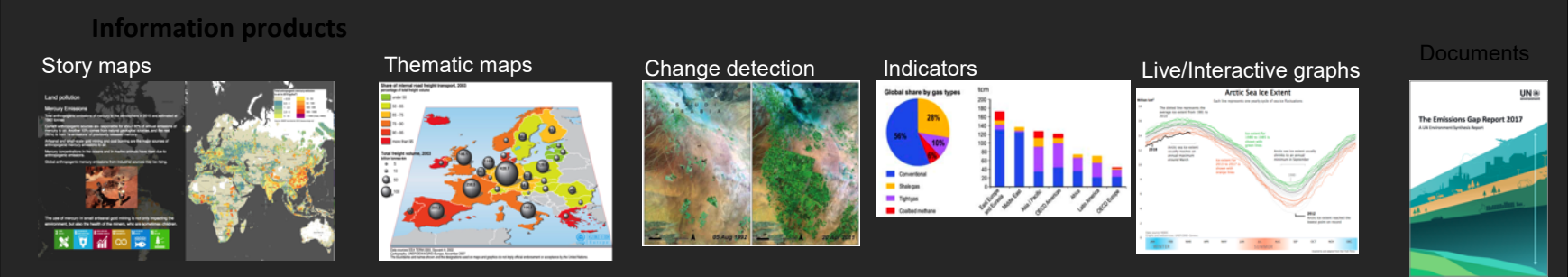
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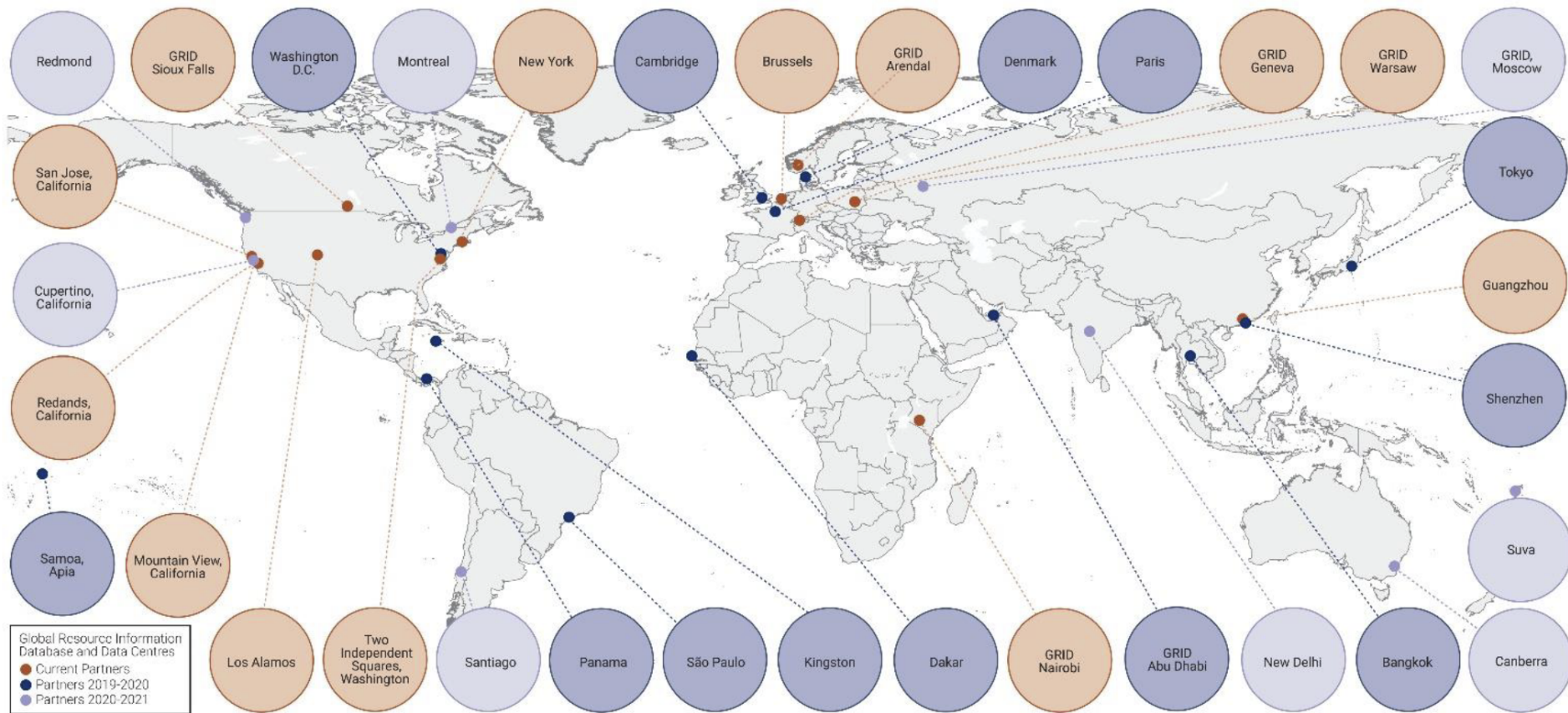


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The One Global Partnership



World Environment Situation Room:

Harnessing Big Data on the Environment for Sustainable Development and Humanitarian Action





- Home
- SDGs and Statistics
- Global Monitoring
- Forecast & Early Warning
- Assessments
- Multilateral Environment Agreements
- Digital Library

Select Region



Select Country



About

News

Citizen Science

Get Involved

FEATURED TOPIC

Climate Change



CO2 Concentration Increase (12 Months)

 ↑ **3.43**
 parts per million
 2019/02/15

Yearly Global Temperature Anomaly

 ↑ **0.82**
 °C
 2018

Arctic Sea Ice Extent (Daily)

 ↓ **-0.8**
 million km2
 18/Mar/2019

Change in Glacier Mass (Yearly)

 ↓ **-0.72**
 m w.e.
 2018

CO2 Atmospheric Concentration

 ↑ **411.75**
 parts per million
 2019/02/15

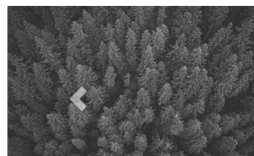
Monthly Global Temperature Anomaly

 ↑ **0.93**
 °C
 Feb/2019

Global Mean Sea Level Change (Three-monthly)

 ↑ **58.22**
 millimeters
 since 1992
 2019-02-16

More Environmental Topics



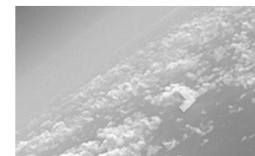
Forests



Gender

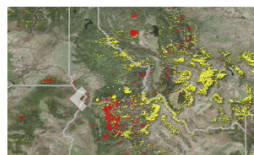


Green economy



Oceans and seas

Partners



NASA earth Data



OICT



Research for Life





UNSD


Welcome to the Global Environmental Goals (GEGs) Live Tracker


There is a multitude of internationally-agreed environmental goals and objectives, which are part of outcome documents of relevant United Nations summits and conferences, resolutions of the General Assembly, decisions of other global intergovernmental conferences, multilateral environmental agreements and decisions of their governing bodies. The compendium of those goals and objectives is called the **Global Environmental Goals (GEGs)**.... [Show more >](#)


explore by theme:


 Air pollution & quality


 Biodiversity


 Chemicals and waste


 Climate change


 Energy

 Environmental governance

 Forests

 Freshwater

 Land



 Oceans and seas



Global Environmental GoalS

Search for MEA by keyword

Global MEAs

-  Aichi Biodiversity Targets
-  Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal
-  Convention on Biological Diversity (CBD)
-  Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
-  Convention on the Conservation of Migratory Species of Wild Animals (CMS)
-  International Treaty on Plant Genetic Resources for Food and Agriculture (Plant Treaty)
-  Kyoto Protocol
-  Minamata Convention on Mercury
-  Montreal Protocol on Substances that Deplete the Ozone Layer
-  Nagoya Protocol
-  Ramsar Convention on Wetlands
-  Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

Variables

found 1510 variables

- Above-ground biomass in forest per hectare (tonnes per hectare)
- Above-ground biomass in forest (tonnes)
- Access to electricity (IEA)
- Access to electricity, rural (SE4All)
- Access to electricity (SE4All)
- Access to electricity, urban (SE4All)
- Access to improved sanitation
- Access to improved sanitation: rural
- Access to improved sanitation: urban
- Access to improved water sources
- Access to improved water sources: rural
- Access to improved water sources: urban
- Access to non-solid fuel, rural (SE4All)
- Access to non-solid fuel (SE4All)
- Access to non-solid fuel...urban (SE4All)

Data linked closely to a selected MEA/SDG are displayed in **black**; others in grey

or enter words to search for variable:
e.g. emission, forest, land

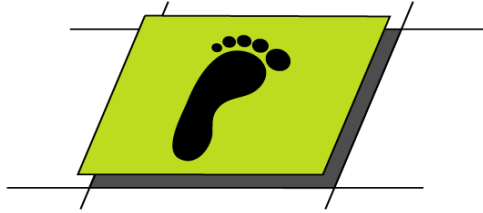
Sustainable Development GoalS (with environmental context)

Search for SDGs by keyword

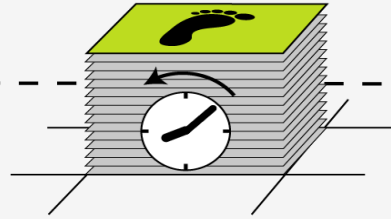
-  2 End hunger, achieve food security and improved nutrition, and promote sustainable agriculture
-  3 Ensure healthy lives and promote well-being for all at all ages
-  6 Ensure availability and sustainable management of water and sanitation for all
-  7 Ensure access to affordable, reliable, sustainable, and modern energy for all
-  8 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
-  9 Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
-  12 Ensure sustainable consumption and production patterns
-  13 Take urgent action to combat climate change and its impacts
-  14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development
-  15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



Site footprint
identification



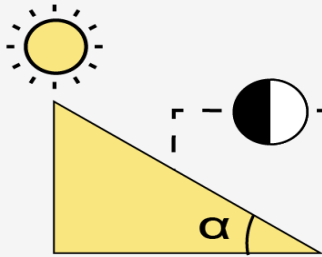
Searching current &
past images



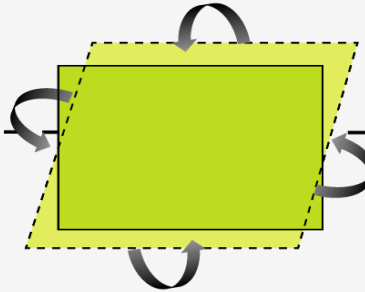
Downloads



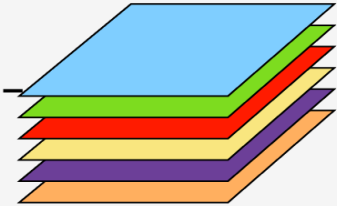
Radiometric corrections



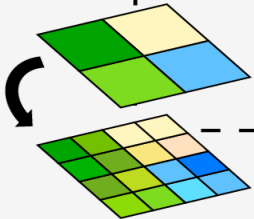
Orthorectification



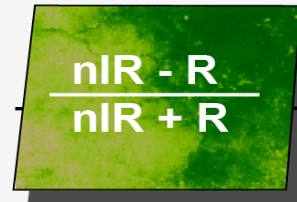
Stacking bands



Pan-sharpening



Computing indexes



Analysis & other
processes



Lives Monitoring of Earth Skin - Demonstrator

[Home](#) [Map](#) [Sites](#) [Processing toolbox](#) [Products & services](#) [About](#)

Landsat 5 - 27.03.1985



Landsat 7 - 23.11.2000



Landsat 8 - 25.01.2015



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NAVIGATION INFO

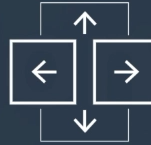
THE GLOBAL ENVIRONMENT OUTLOOK

DEMO INTERACTIONS

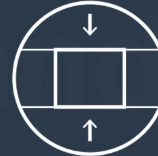
DRAG SLIDERS



USE ARROWS



SWITCH VIEW



GOT IT!



Looking forward to working with you!

Contact: Pascal.Peduzzi@unepgrid.ch

<http://www.unepgrid.ch>