



UNEP

UNEP's Mandate

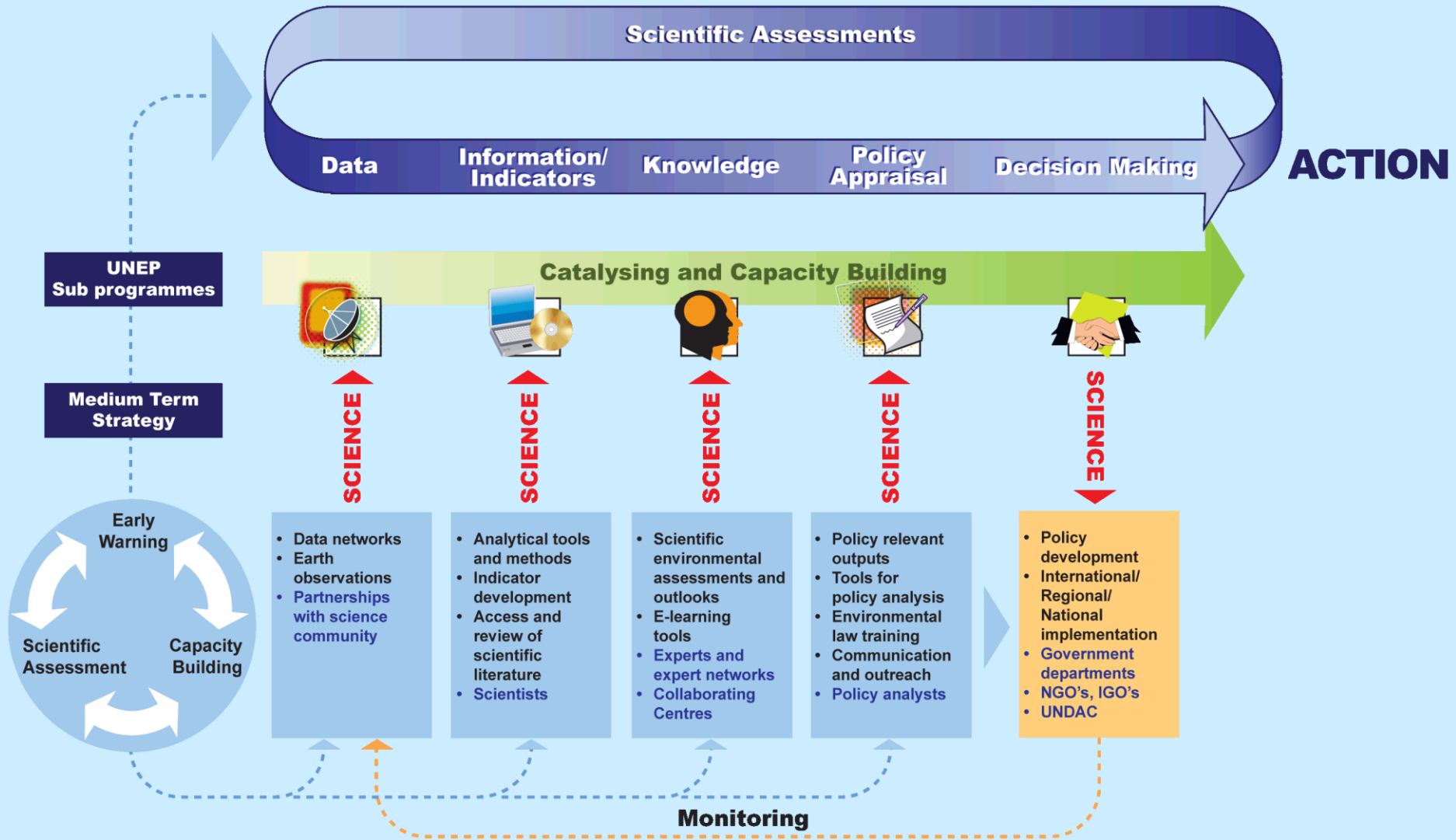
**To keep under review the
state of the global
environment....**

UNGA Resolution 2997 (XXVII) of 1972

- adding essential value to environmental data and information as input to and follow-up from intergovernmental decision-making processes;
- the authoritative source within the UN system for scientifically credible, environmental assessment tools and methodologies to support national sustainable development planning and implementation;



Overview of the Science - Policy Continuum





SATELLITE
Global to regional Coverage



AIRCRAFT
Regional to local coverage



HOT AIR BALLOON
Local coverage



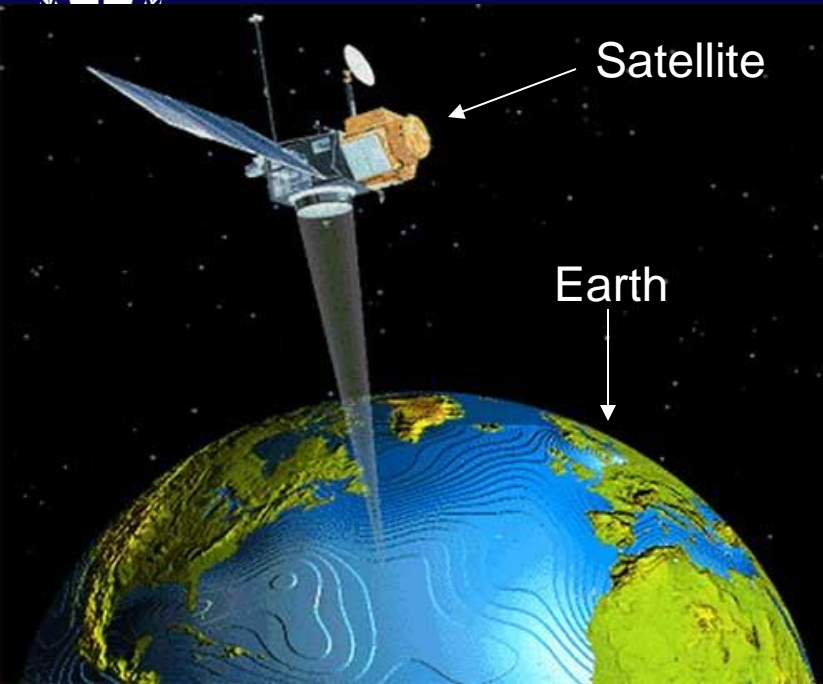
HAND HELD
CAMERA

Existing Sources of Data and Information

- Assessing the costs and benefits of climate change policies
 UNEP Climate Change Science Compendium
 Integrated Assessment of Black Carbon and Tropospheric Ozone
 Fifth IPCC Report (AR5)
 Negotiating adaptation: International issues of equity and finance
 Carbon Benefits Project: Modelling, Measurement and Monitoring
 Pacific Environment and Climate Change Outlook
 Mozambique Environment and Climate Change Outlook (ECCO) report
 Papua New Guinea Environment and Climate Change Outlook
 Democratic People's Republic of Korea Environment and Climate Change Outlook
 Pakistan Environment and Climate Change Outlook
 Bangladesh Environment and Climate Change Outlook
 Mongolia Assessment Report on Climate Change
 Vietnam Assessment Report on Climate Change
 Ha Tinh Province Assessment Report on Climate Change
 Urban Water Vulnerability to Climate Change in Mongolia
 Environment and Climate Outlook (ECCO) for the City of Dar es Salaam (Tanzania)
 Bangkok Assessment Report on Climate Change
 Environment and Climate Outlook (ECCO) for the City of Tirana (Albania)
 Environment and Climate Change Outlook (ECCO)- City of Quito (Ecuador)
 Environment and Climate Outlook (ECCO) for the City of Trujillo (Peru)
 City of Sana'a Environment Outlook
 Environment and Climate Change Outlook for Aden City
 Protecting the Environment during Armed Conflict: An Inventory and Analysis of International Law
 Conflict Analysis Framework
 Desk Study on Climate Change, Migration and Conflict in the Sahel
 Assessment of Energy, Water and Waste Reduction Options for the Proposed AMISOM HQ Camp in Mogadishu, Somalia and the Support Base in Mombasa, Kenya
 Central Asian Capacity Development for Climate Risk Management: A comprehensive study on glacial melting in Central Asia (Joint UNEP/UNDP)
 Amu Darya assessment (Joint UNEP/UNDP)
 Fieldwork in the Pripyat river basin in Belarus and Ukraine to assess hydrological conditions for evaluating flood risks (Joint UNEP/NATO)
 Mining and environment in the Western Balkans
 State of the natural environment in the Donetsk oblast (2007-2009)
 Environmental assessment of development planning and environment-security monitoring in Crimea
 Post-Conflict Environmental Assessment of the Democratic Republic of Congo
 Environmental Survey of Oil Contamination in Ogoniland, Nigeria
 Environmental Assessment of Lead Poisoning in Zamfara State, Nigeria
 Sierra Leone Environment, Conflict and Peace-building Assessment
 Post-Disaster Needs Assessment of Post-Earthquake Haiti
 Linking Ecosystems to Risk and Vulnerability Reduction: the Case of Jamaica
 UNDAC missions to Namibia (flooding), Benin (flooding), Burkina Faso (flooding), Taiwan (typhoon), The Philippines (tropical storm), Samoa (earthquake), Albania (flooding), Ukraine (dam risk assessment)
- Habitats
 Making the case for ecosystem services – a global outreach and communications package
 Vital Forest Graphics
 Blue Carbon: The Role of Healthy Oceans in Binding Carbon
 The Natural Fix? The Role of Ecosystems in Climate Mitigation
 The Last Stand of the Gorilla: Environmental Crime and Conflict in the Congo Basin
 Sick water? The central role of wastewater management in sustainable development
 Dead planet, living planet: Biodiversity and ecosystem restoration for sustainable development
 Assessment of Transboundary Freshwater Vulnerability in Africa to Climate Change
 FRESHWATER under THREAT: Africa-Asia Summary- Vulnerability Assessment of Freshwater Resources to Environmental Change
 FRESHWATER under THREAT: Africa – Vulnerability Assessment of Freshwater Resources to Environmental Change
 FRESHWATER under THREAT: South East Asia - Vulnerability Assessment of Freshwater Resources to Environmental Change
 FRESHWATER under THREAT: South Asia - Vulnerability Assessment of Freshwater Resources to Environmental Change
 FRESHWATER under THREAT: North East Asia - Vulnerability Assessment of Freshwater Resources to Environmental Change
 FRESHWATER under THREAT: Pacific Islands - Vulnerability Assessment of Freshwater Resources to Environmental Change
 State of the Marine Environment Report for the East Asian Seas
 Pacific Marine Minerals and Deep Sea Mining Assessment
 Hydropolitical Vulnerability and Resilience along International Waters Assessment: Asia
 Report on Building Capacity for a Black Sea Catchment Observation and Assessment System supporting Sustainable Development (DEWA-Europe and Univ. of Geneva)
 Hydropolitical Vulnerability and Resilience along International Waters Assessment: Europe
 Hydropolitical Vulnerability and Resilience along International Waters Assessment: North America
 International Waters Assessment: North America
 International Waters (IW)-Science project: GEF – MSP: Enhancing the use of Science in International Waters projects to improve project results
 Three sites were selected for the Millennium Ecosystem sub-global Assessment:
 1- Ecosystem and Human Well-Being, El Maghara, Northern Sinai, Egypt
 2- Ecosystem Assessment of Taifaleet Oasis, Synthesis
 3- Saudi Arabian Millennium Ecosystem Assessment for Assir National Park
 Vulnerability Assessment of Freshwater in West Asia
 Mau Forest report
 Ecosystem services valuation in Southern Sudan.
 Recent Trends in melting glaciers, Tropospheric Temperatures over the Himalayas and Summer Monsoon Rainfall over India
 Research in Lao PDR:
 Ecosystem services valuation and policy-making with a focus on poverty reduction and ecosystem degradation
 Sub-Global Assessment in Thailand as part of the Millennium Ecosystem Assessment follow-up initiative.
 Sub-Global Assessment in Guatemala as part of the Millennium Ecosystem Assessment follow-up initiative.
 Impact of Subsidies on the Ecuadorian Tuna's Sustainability and Trade Linking ecosystems to risk and vulnerability reduction: The case of Jamaica
- GEO Cities Cordoba (Argentina), in progress
 GEO Cities Georgetown (Guyana)
 GEO Cities Puerto Montt (Chile) in process
 GEO Cities - Canelones, Colonia, and Rivera (Uruguay)
 GEO Cities: Ponta Pora, Piranhas, Marabá and Beberibe (Brazil)
 GEO City Cartagena (Colombia)
 Rapid Environmental Assessment of The Urban Community of Al-Fayha (Lebanon)
 Hazardous Substances and Harmful Waste
 Global assessment of policies and trends on harmful substances and hazardous waste to inform policy makers
 Global Outlook on Chemicals
 UNSCEAR
 POPs Laboratory Databank
 Hazardous Substances from Open Burning of Waste in Developing Countries
 Hazardous Substances from Open Burning of Waste in Developing Countries
 Update of the Global Assessment of the State-of-the-Science on Endocrine Disruptors
 First Worldwide UNEP Intercalibration Study on Persistent Organic Pollutants - Asia Region
 China Environmental Performance Assessment: Reporting and Assessment Framework on Progress and Impacts of Achieving China's National Pollution Reduction Targets
 Assessing Biofuels
 Metal Stocks in society
 Assessing the Environmental Impacts of Consumption and Production
 Decoupling and Sustainable Resource Management: Scoping the challenges
 Recycling Rates of Metals: A Status Report
 Green Economy Report
 Corporate water accounting
 Green Economy – Developing Country Success Stories
 Regional assessments
 Resource Efficiency: Economics and Outlook for Asia and the Pacific
 Resource Efficiency for Latin America & the Caribbean (LAC)
 Cameroon: Country Study report on integrated assessment of impacts of trade liberalization in the cacao sector following a national law liberalizing the sector
 Madagascar: Country Study report on "évaluation intégrée des impacts économiques, sociaux et environnementaux des politiques liées au commerce sur l'aquaculture de crevettes: Madagascar"
 Mauritius : Country study report on integrated assessment of EU sugar regime reform as part of the EU-ACP Economic partnership
 Uganda: Country project report on the integrated assessment of the Potential Impacts of the EU-ACP Economic Partnership Agreement on Uganda's Biodiversity in the horticulture sector
 Papua New Guinea: Country study report on integrated assessment of the impact of trade liberalisation measures (particularly tariff reduction) affecting major export crops (coffee and oil palm) on two major staple food crops (taro and sweet potato) .
 Jamaica: Country Study report on the integrated assessment of reforms of the EU-ACP Sugar Protocol as part of the EU-ACP Economic Partnership Agreement negotiations



Spatial Resolution



**Global
(>1km)**

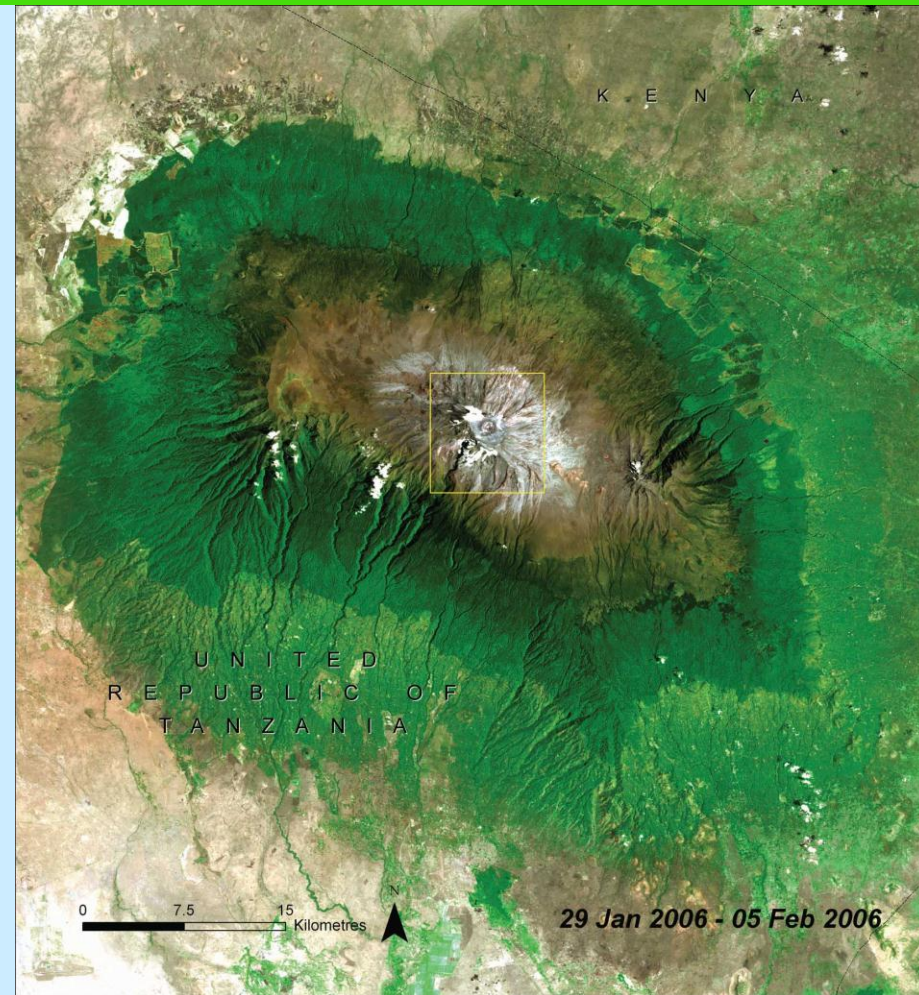
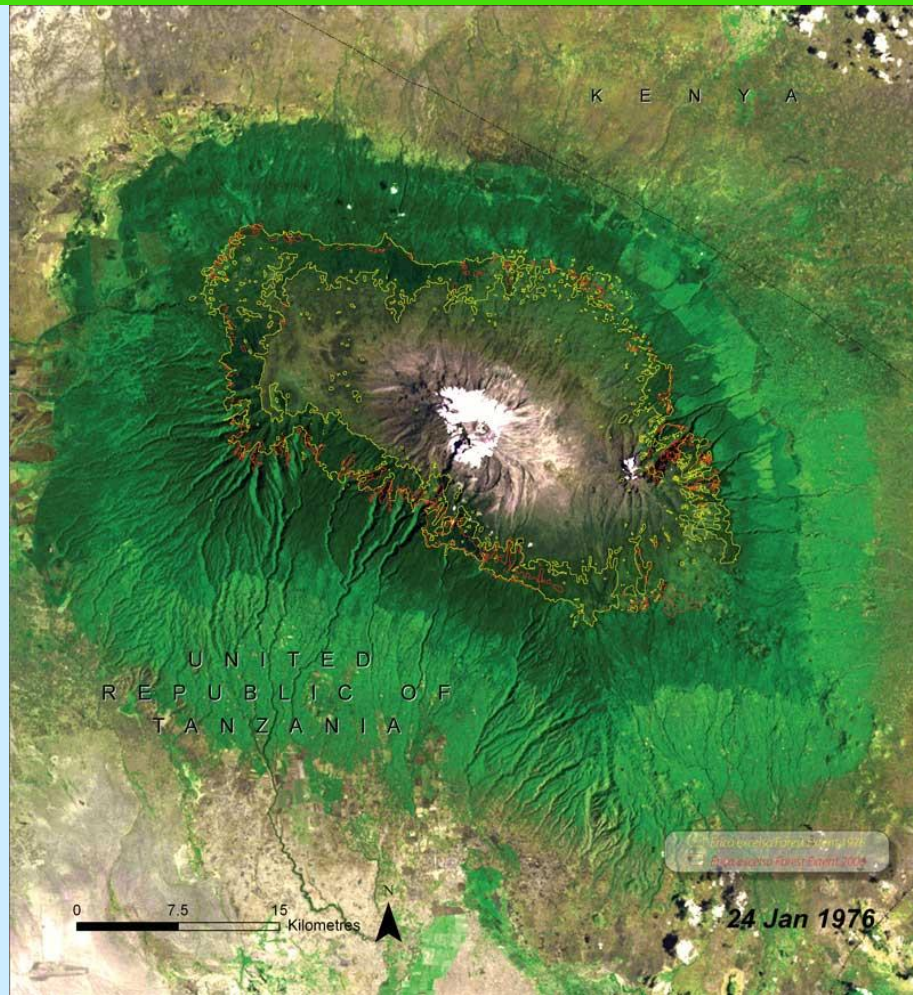


Local (1m)

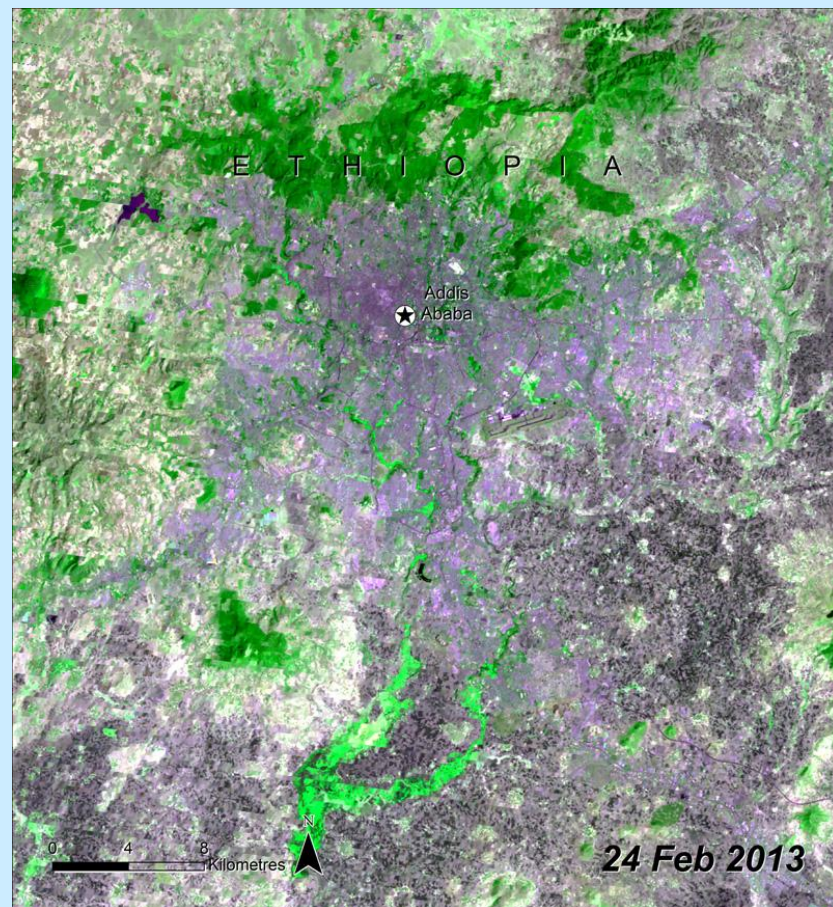
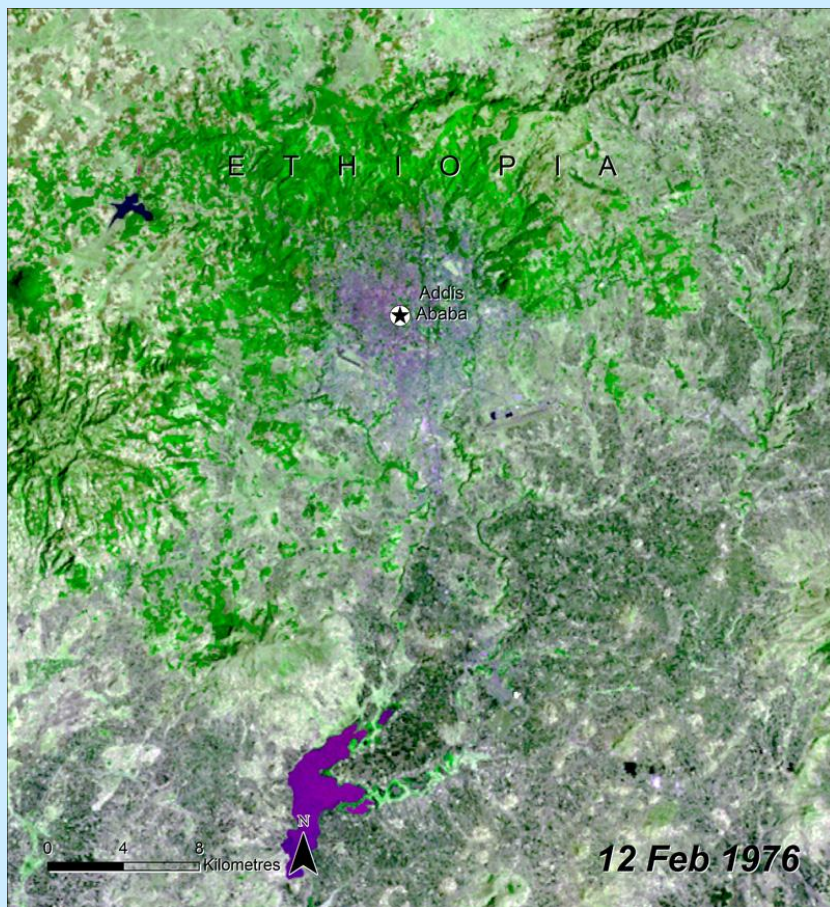
**1st Earth Observation satellite
launched in 1972**

**Distance from Earth – approx. 720
km (447 miles)**

Glaciers decreased in area by 80 per cent since the early 20th century.



Urban sprawl in Addis ababa, Ethiopia



Major migration into the city since the 1970s has resulted in significant urban sprawl, putting pressure on housing supply and natural resources. In the images, light purple indicate areas of development and settlement.

Mt. Kilimanjaro: *logging of indigenous trees*



Logging of cedar on the eastern slopes

Measuring The Future We Want

NEPAD: Themes – Issues – indicator – statistics

Sample indicator

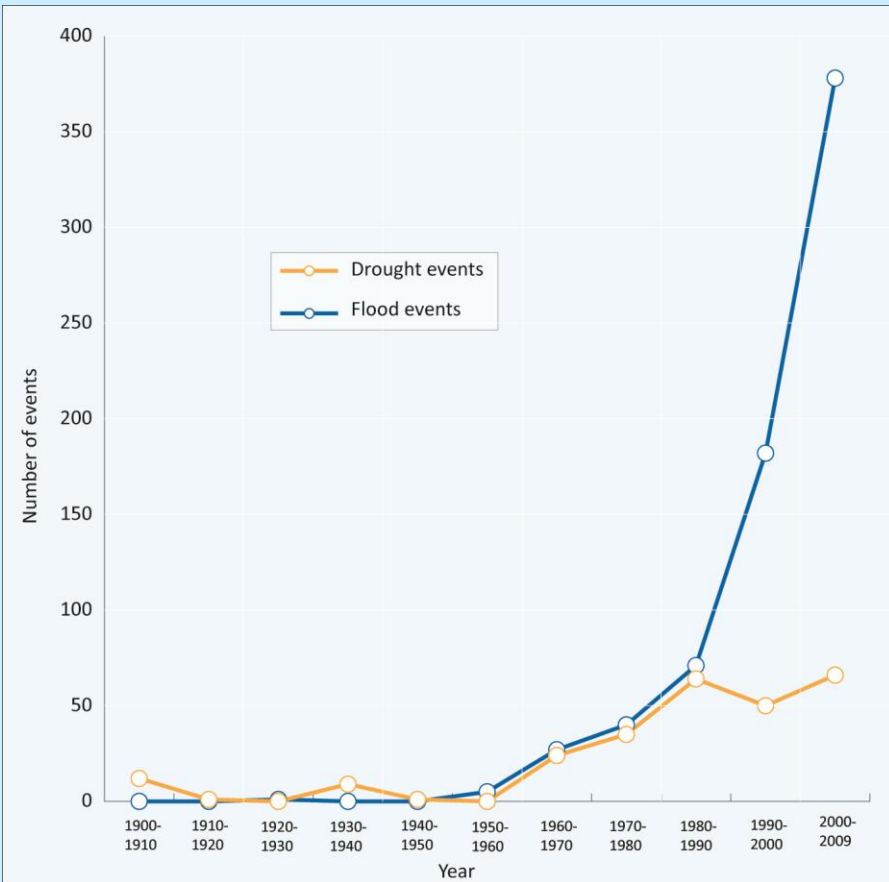
Human Well being/Development

Thematic Area/ (NEPAD Programme area - PA)	NEPAD Priorities	Priority Issues	Lead Indicator(s)	Type of Indicator (D, P, S, I, R, O)	Units	Global or Regional sources/Data Providers (to be refined in consultation with data producers)
Socio-economic issues	<i>Human beings are at the centre of concern for sustainable development. They are entitled to a healthy and productive life in harmony with nature</i>					
	Sustainable development, Economic well being, Social well being	Human development	· Population growth rate;	S, P	%, -	UNDP, WB, AfDB (regional), WRI, UNAIDS, Human Development report, WHO
			· Economic growth rate (GDP)	S, P	%	
			· Education rate(illiteracy/literacy) by gender;	O	%, -	
			· Human development index;	S, P	%	
			· Improved drinking water coverage - total population;	O	-	
			· % of literate adults (per of total population);	S, P	%, -	
			· % age of population in primary education(by gender);	S, P	%, -	
· % age of population in secondary education(by gender);			S, P	%, -		

Type of Indicator: D: Driving forces, P: Pressure, S: State, I: Impact, R: Response, O: Opportunity

**NOTE: All the data should be dis-aggregated to show gender disparities.
Data should also present (Male, Female, Urban, Rural)**

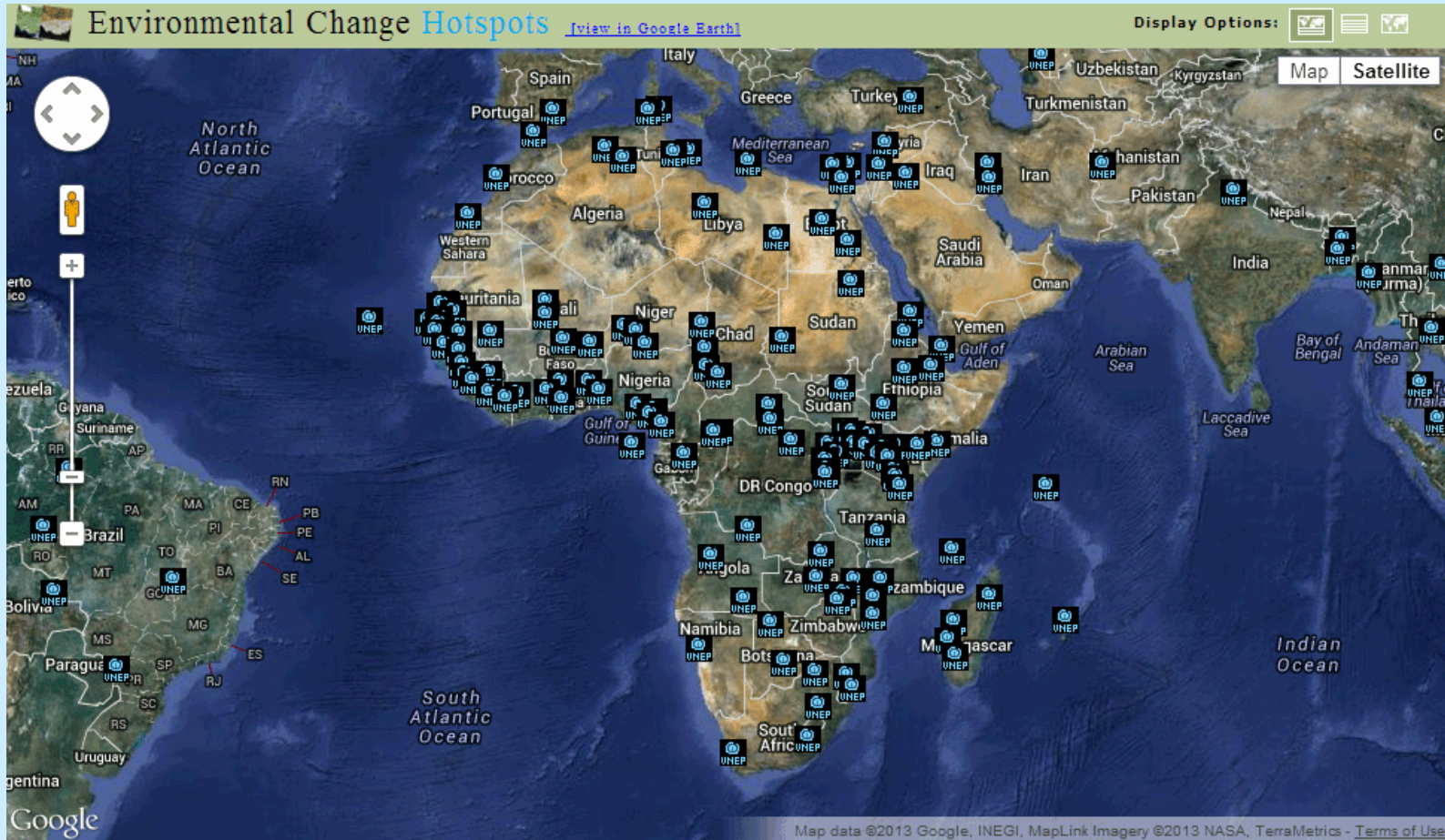
Climate change is a considerable health and economic challenge for the continent



- Increased warming could spread weather-sensitive diseases (e.g. rift valley fever, cholera, meningitis, and malaria).
- In some areas warming is likely to lead to low crop yields, reduced livestock productivity, water scarcity and low nutrition levels

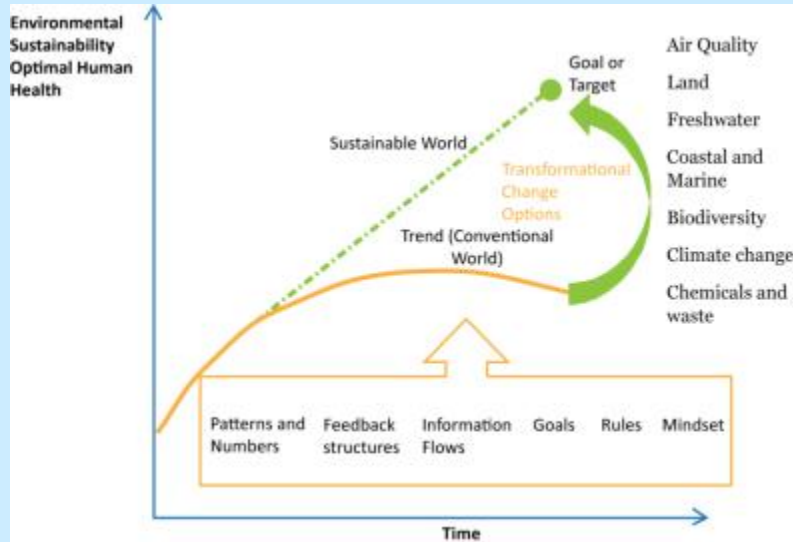
Trends of some Extreme Weather Events associated with climate change

Hotspots in africa



Over 140 hotspots have been identified in Africa

A new policy direction and the need for well-thought actions



- **Current domestic and global uncertainties imply that the “business as usual” model could undermine human health**



- **A number of good policies for addressing environmental challenges that affect human health exist, but their implementation is weak, requiring elimination of barriers to implementation**



UNEP **L i v e**

OUR CHANGING ENVIRONMENT: PLACE BY PLACE



UNEP **L i v e**

OUR CHANGING ENVIRONMENT: PLACE BY PLACE

UNEP-live will organize and improve use of UNEP assessment products....





ipBes

Intergovernmental Platform on Biodiversity and Ecosystem Services





UNFCCC – United Nations Climate Change Conference COP16/CMP6
29 November - 10 December, 2010, Mexico.

NEWS [More >](#)



CITES - 22 Jun 2010
Executive Secretary in Glion to promote collaboration across Conventions ...



WHC - 16 Jun 2010
World Heritage Committee holds information session in advance of July COP ...



RAMSAR - 31 May 2010
World Wetlands Workshop wins wondrous well wishes with Waziristan...



CMS AEWA - 25 May 2010
CMS and UNEP WCMC preview design for new online report tool in Bonn...



RAMSAR - 31 May 2010
World Wetlands Workshop wins wondrous well wishes with Waziristan...



RECENT LAW [More >](#)

DEC. CITES - COP13 Dec 32b Whaling Rules
WHC - 33COM7a - 2010 In Danger Listing
Basel - COP7 - New Chemical added

LEG. UK - Law on historic preservation
EU - Mine tailings law
US - Natural Gas Extraction law

CAS. UN ICC - Ruling on Environmental Dumping
US SC - Ruling on PCB pollution
FR - Ruling on Ozone usage
LI - Ruling on endangered species trade

UPCOMING EVENTS [More >](#)



19 October 2010, Aichi-Nagoya
InforMEA launch at side event at CBD COP10/MOP15 in Nagoya



22 - 24 June, Glion
MEA Knowledge Management Conference



25 July - Aug 1 2010, Brazilia
34 th World Heritage Committee Meeting



15 October 2010, Nairobi
UNEP Law Workshop ...



15 October 2010, Nairobi
UNEP Law Workshop ...



FEATURED STATE [More >](#)



CANADA

Conventions
WHC - 1978
RAMSAR - 1980
CITES - 1983
CMS - 1994
Basel - 1994
Stockholm - 1995

Focal Points
P. Williams
D. Letellier
D. Letellier
R. Rotjischild
P. Davis
C. Cavendish

ENVIRONMENTAL TREATY EXPLORER

SEARCH or BROWSE topics below
Unselect items below to refine your search:

TERMS [Browse](#)

TREATIES [Browse](#)

- ALL Conventions, Protocols, Agreements
- Biodiversity**
 - CBD (Biological Diversity)
 - Cartagena Protocol
 - CITES (Endang. Species)
 - CMS (Migratory Species)
 - ITPGRFA (Plant)
 - Ramsar (Wetlands)
 - WHC (World Heritage)
- Chemicals / Waste**
 - Basel (Hazardous Wastes)
 - Rotterdam (Pesticides)
 - Stockholm (Org. Pollutants)
- Climate / Atmosphere**
 - UNFCCC (Climate Change)
 - Kyoto Protocol
 - UNCCD (Desertification)
 - Vienna (Ozone)
 - Montreal Protocol

LAW [Browse](#)

- MEA Articles
- MEA Decisions
- National Legislation
- Judicial Cases
- Int'l Court of Justice

COUNTRIES [Browse](#)

ALL Regions, Countries, Sites

YEARS [Browse](#)

ALL Time Periods
FROM TO

MEA RESOURCES [More >](#)

- MEA IKM Steering Committee
- Members
- Reports
- Technical Working Group
- Periodic Reporting Working Group
- Knowledge Management Reports
- UNEP/IUCN Tematea
- IUCN/FAO/UNEP EcoLex
- National Reports & Strategies

Organizations



Participating Treaties



ACAP
ACCOBAMS
AEWA
ASCOBANS
EUCOBATS
GORILLAS
WADDEN SEA SEALS



A Work in Progress...

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UNEP and the SDG Land scape

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



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Thank you

