



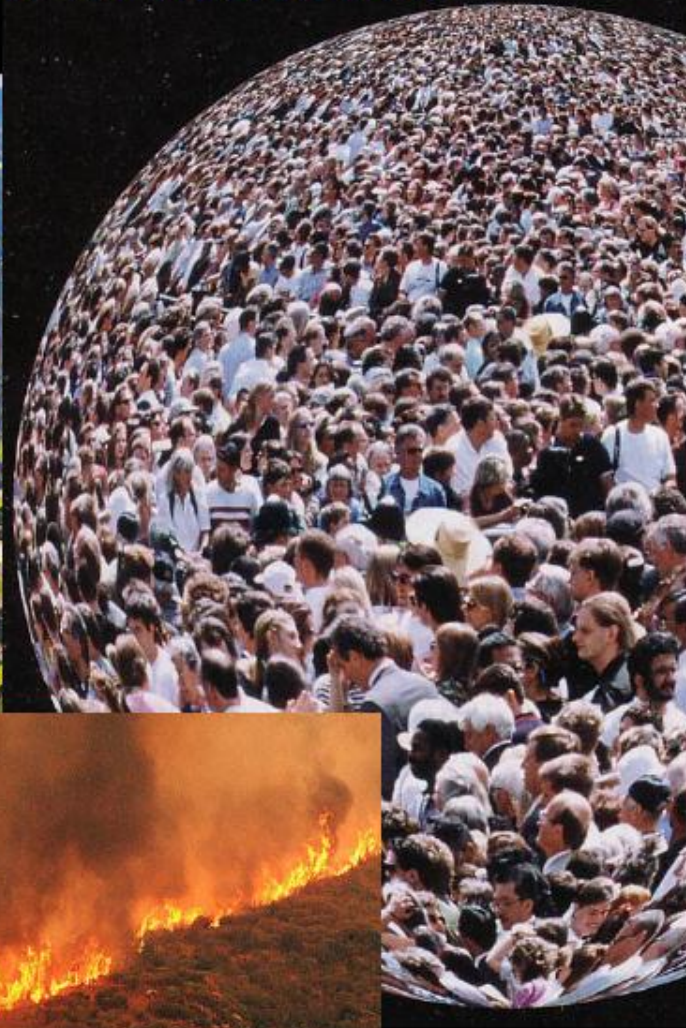
Transboundary Cooperation on International Waters – Perspectives on GEF 6 finance and programming to date

*Astrid Hillers and Steffen Hansen
GEF – International Waters
Ngombo, Sri Lanka, 2016*



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Anthropocene – humans influence the functioning of the Earth



The
Economist

MAY 26TH-JUNE 3RD 2013

economist.com

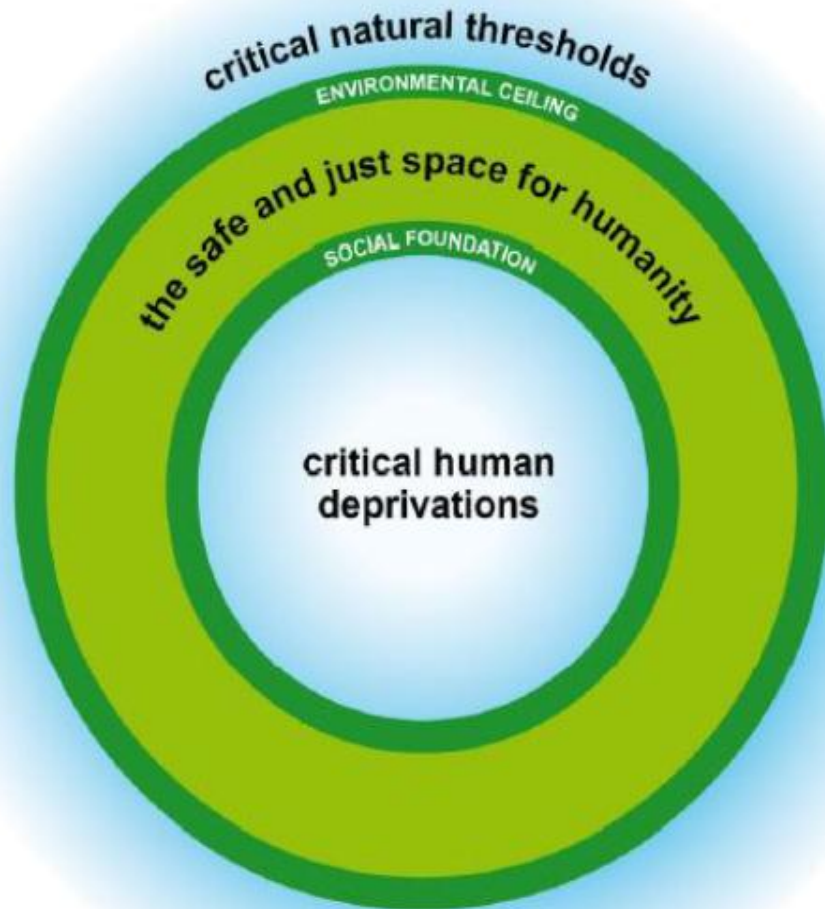
Getting Spain's protesters off the plazas
Obama, Bibi and peace
The costly war on cancer
How the brain drain reduces poverty
A soft landing for China

Welcome to the Anthropocene



Geology's new age

Planetary Boundaries



Oxfam, 2012

nature

Vol 46|24 September 2009

FEATURE

A safe operating space for humanity

Identifying and quantifying planetary boundaries that must not be transgressed could help prevent human activities from causing unacceptable environmental change, argue **Johan Rockström** and colleagues.

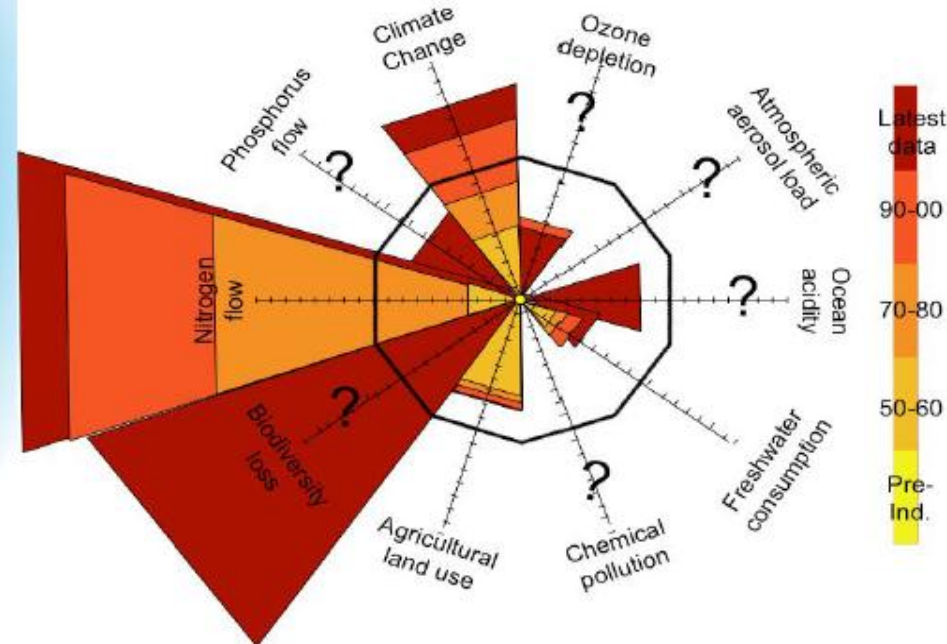
Although Earth has undergone many periods of significant environmental change, the planet's environment has been unusually stable for the past 10,000 years^{1,2}. This period of stability — known to geologists as the Holocene — has seen human civilizations arise, develop and thrive. Such stability may now be under threat. Since the Industrial Revolution, a new era has arisen, the Anthropocene³, in which human actions have become the main driver of global environmental change⁴. This could see human activities push the Earth system outside the



SUMMARY

- New approach proposed for defining preconditions for human development
- Crossing certain biophysical thresholds could have disastrous consequences for humanity
- Three of nine interlinked planetary boundaries have already been overstapped

Industrialized forms of agriculture, human activities have reached a level that could damage the systems that keep Earth in the desirable boundaries define the safe operating space for humanity with respect to the Earth system and are associated with the planet's bio-





The GEF and the SDGs



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GEF 2020 Strategy

Drivers and pressures

Underlying
socioeconomic
trends

Population
growth

Rising middle
class

Urbanization

Indirect environmental
drivers

Demand for
food
production

Demand for
buildings

Demand for
energy

Demand for
transportation

Other

Direct
environmental drivers

Agriculture
production
processes that
produce food

Provision/use of
transportation

Construction & use
of buildings & other
infrastructure

Production of
electricity

Other

Environmental
pressures

Pollution e.g.,
GHG's & ozone-
depleting
substances

Change in habitat
and species loss

Introduction of
invasive species

Over exploitation
and harvesting

Other

Changes in state of
environment

Atmosphere
(climate)

Biodiversity

Land

Oceans

Freshwater

Driver interventions

Pressure interventions

Transboundary cooperation essential in face of global risks

Climate-Driven Water Scarcity Could Hit Economic Growth by Up to 6 Percent in Some Regions, Says World Bank

May 3, 2016

Eight Major Climate Risks

1. Death or harm from coastal flooding
2. Harm or economic losses from inland fl
3. Extreme weather disrupting electrical
4. F

Panel members (as of 3/16/2016)

Panel members:

- Mark Rutte, Prime Minister, Netherlands
- Janos Kőr, President, Hungary
- Emomali Rahmon, President, Tajikistan
- Wacky Sall, President, Senegal
- Abdullah Ensour, Prime Minister, Jordan
- Enrique Peña Nieto, President, Mexico
- Ameenah Gurib-Faism, President, Mauritius
- Jacob Zuma, President, South Africa
- Malcolm Turnbull, Prime Minister, Australia
- Sheikh Hasina, Prime Minister, Bangladesh
- Dr. Han Seung-soo, Former prime minister, South Korea
- Manuel Pulgar-Vidal, Minister, Peru

Co-chairs:

- Enrique Peña Nieto, President, Mexico
- Ameenah Gurib-Faism, President, Mauritius

Co-convoked by:

- UNITED NATIONS
- WORLD BANK GROUP
- Jin Yong Kim, President, World Bank Group

Table 1: Ten Global Risks of Highest Concern in 2014

No.	Risk
1	Global economic slowdown/stagnation
2	Global food insecurity
3	Global water scarcity
4	Global climate change
5	Global terrorism
6	Global cyberattacks
7	Global governance failure
8	Food crises
9	Failure of financial systems
10	Global environmental degradation

FAO Reports 87% of the World's Fish Exploited or Fully Exploited

Latest review of science reveals in critical state

03 October 2013 | News story

An international panel of marine scientists, including IUCN experts, is demanding urgent remedies to halt ocean degradation based on findings that the rate, speed and impacts of the global ocean are greater, faster and more previously thought.

International Waters Focal Area

GEF – largest financier of international waters:

- **Goal:** to promote collective management for **transboundary water systems** and foster policy, legal, and institutional reforms and investments towards sustainable use and maintenance of ecosystem services.
- **Focus:** **joint management** of shared water systems to balance competing uses and enabling **sharing of benefits** from their utilization.



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GEF 6 - IW Strategy

Goal: To promote collective management of transboundary water systems and implementation of the full range of policy, legal and institutional reforms and investments contributing to sustainable use and maintenance of ecosystem services

Objective 1: Catalyze Sustainable Management of Transboundary Waters

1. Foster Cooperation for Sustainable use of Transboundary Water Systems & Economic Growth

2. Increase Resilience & Flow of Ecosystems Services in Context of Melting High Altitude Glaciers

Objective 2: Balance Competing Water-uses in the Management of Transboundary Surface and Groundwater

3. Advance Conjunctive Management of Surface & Groundwater systems

4. Water/Food/Energy/Ecosystem Security Nexus

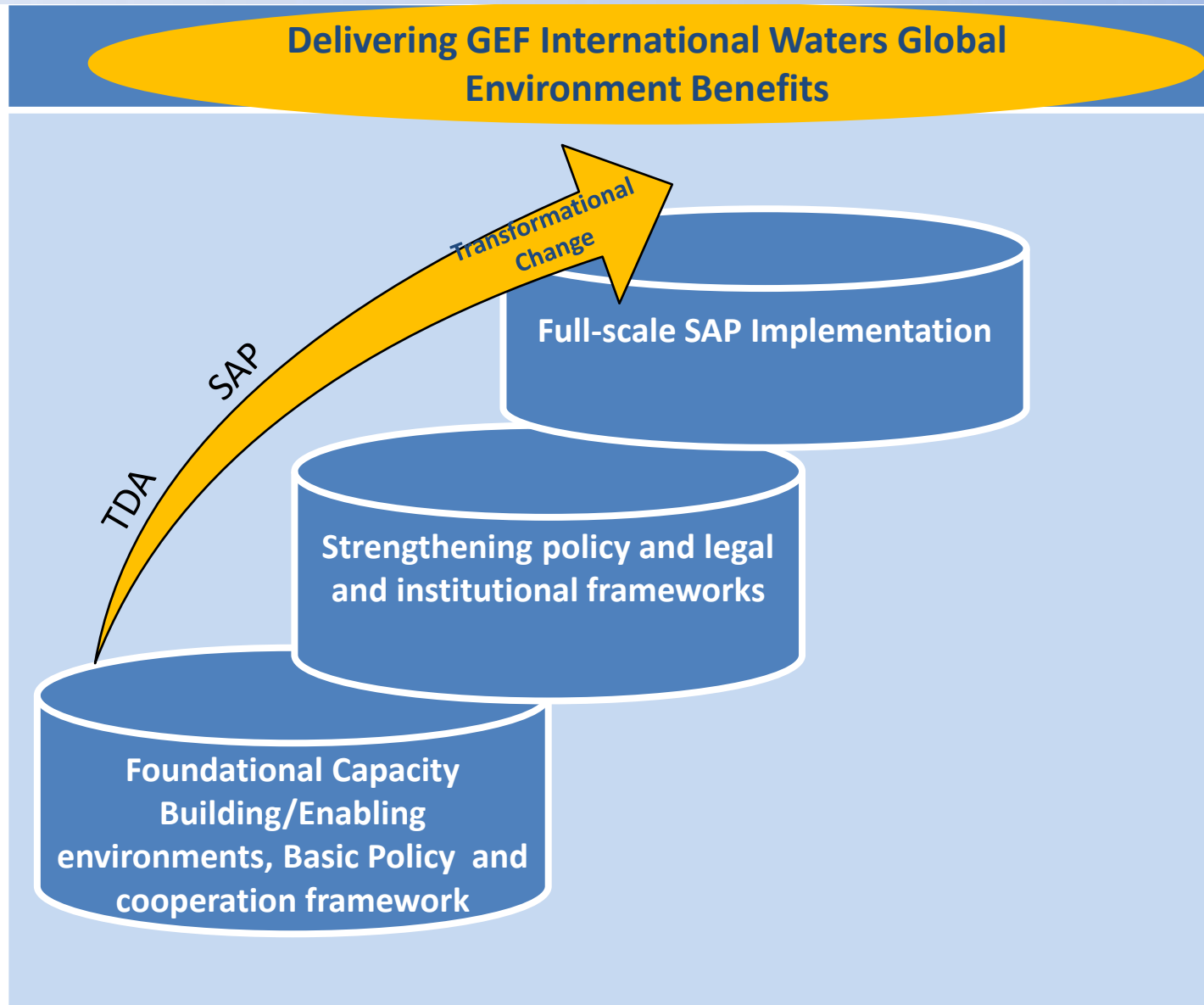
Objective 3: Foster Sustainable Fisheries, Restore and Protect Coastal Habitats, and Reduce Pollution of Coasts and LMEs

5. Reduce Ocean Hypoxia

6. Prevent the Loss and Degradation of Coastal Habitat

7. Foster Sustainable Fisheries

GEF IW investments through series of interventions



GEF 6 Highlights



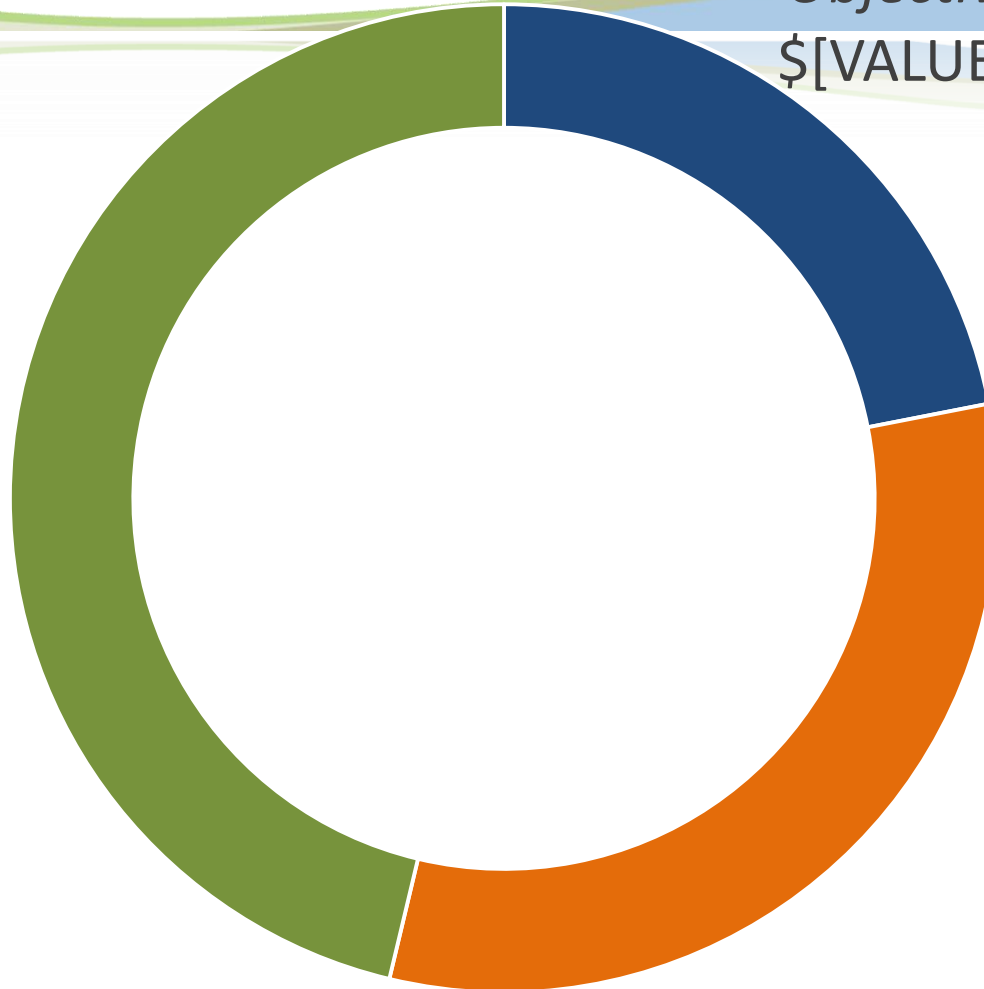


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GEF 6 funding per LW objective

Objective 1 www.theGEF.org
\$[VALUE] M

Objective 3
\$[VALUE] M



Objective 2
\$[VALUE] M

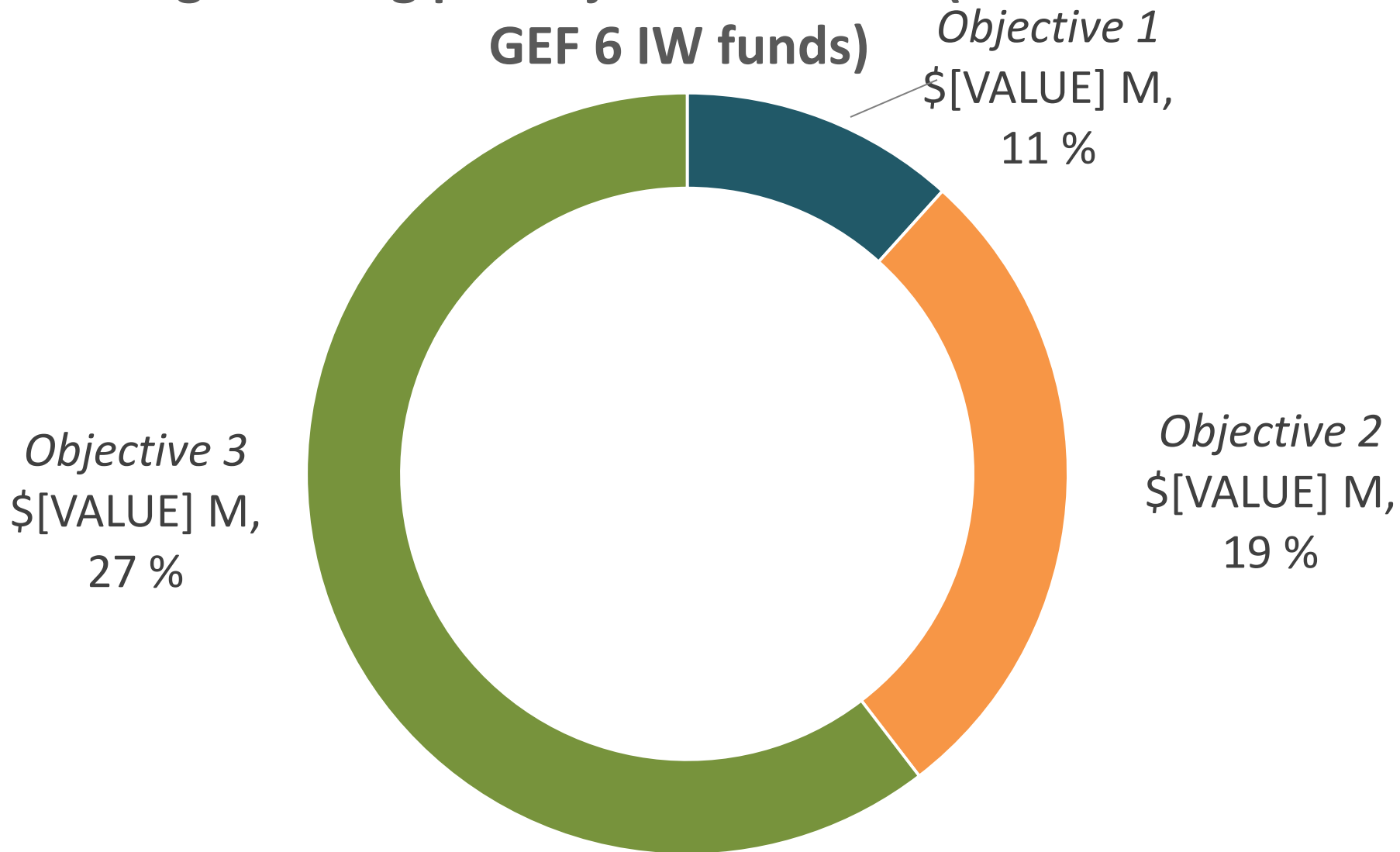


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■ Objective 1 ■ Objective 2 ■ Objective 3

www.theGEF.org

Programming per objective to date (total 21 % of GEF 6 IW funds)

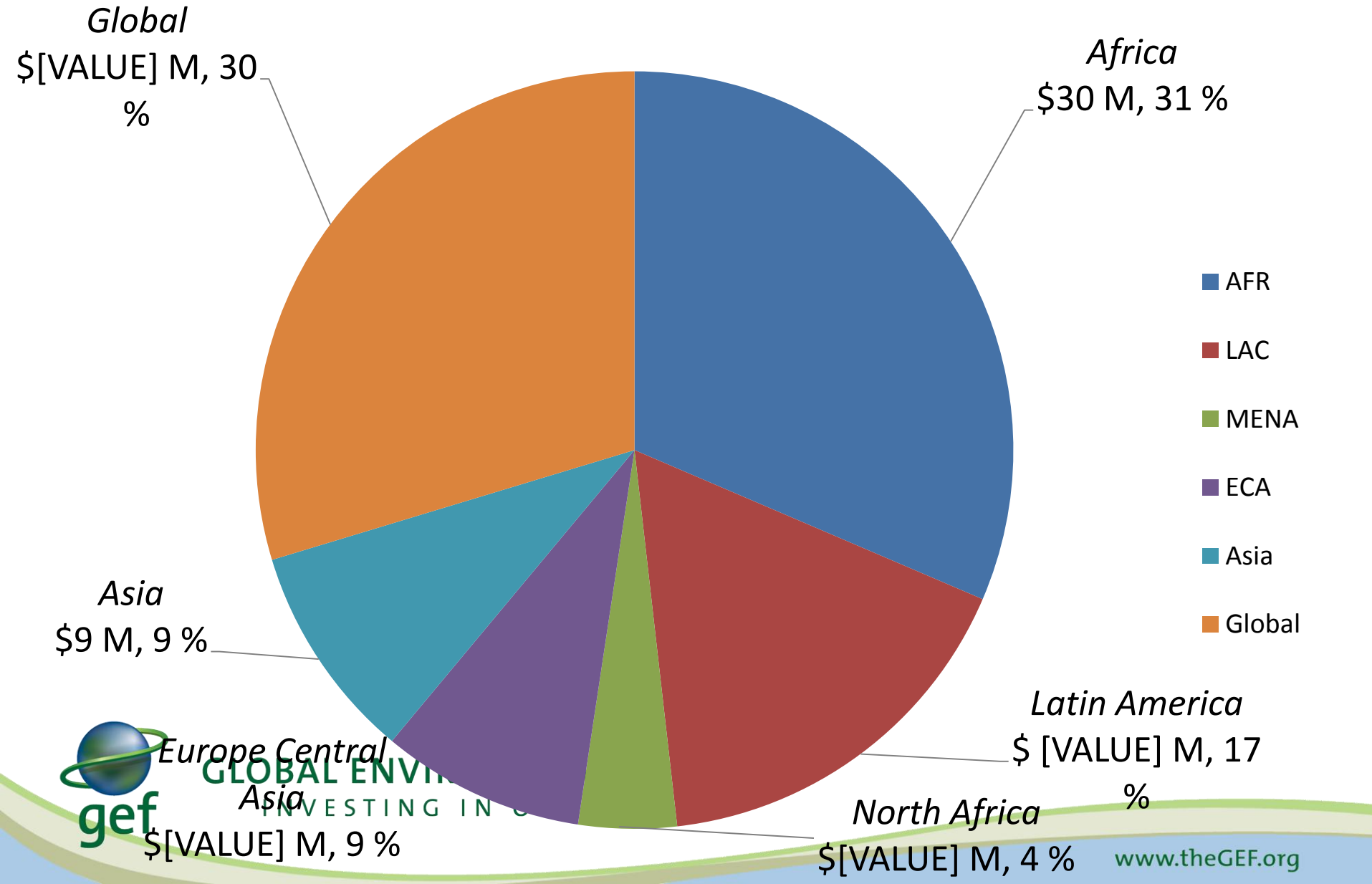


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■ Objective 1 ■ Objective 2 ■ Objective 3

Funding per region to date



Water for future generations...



Thank You !



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