

GEF 5 Strategy for International Waters Focal Area

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Concerns of International Waters & People, Ecosystems, and Development

- Transboundary Pollution: Water unusable, diseases
- Wasteful Water Use, Droughts, floods: conflicts
- Groundwater quality & quantity
- Overfishing/Depleted Oceans: Livelihoods & \$ 100 billion in annual trade in jeopardy
- Habitat loss—coastal blue forests; invasive species
- MDGs will not be met because of water mismanagement/conflicts/globalization
- Peace, stability, security at risk

GEF International Waters Portfolio

GEF is largest investor in multi-country collective management of transboundary water systems: \$1.34 billion GEF/\$7.7 billion co-financing totaling to date more than 220 projects since 1991.

150 GEF recipient states are cooperating with 23 non-recipient states on their particular shared water systems.

In working to reverse fisheries depletion, reduce water pollution, and balance conflicting water uses through IWRM, GEF contributes to water, environment, and community security as well as regional stability.



1995 GEF Operational Strategy- International Waters (GEF Council)

****International Waters*** include the oceans, coasts, Large Marine Ecosystems and connected river basins; transboundary rivers, lakes, groundwater basins

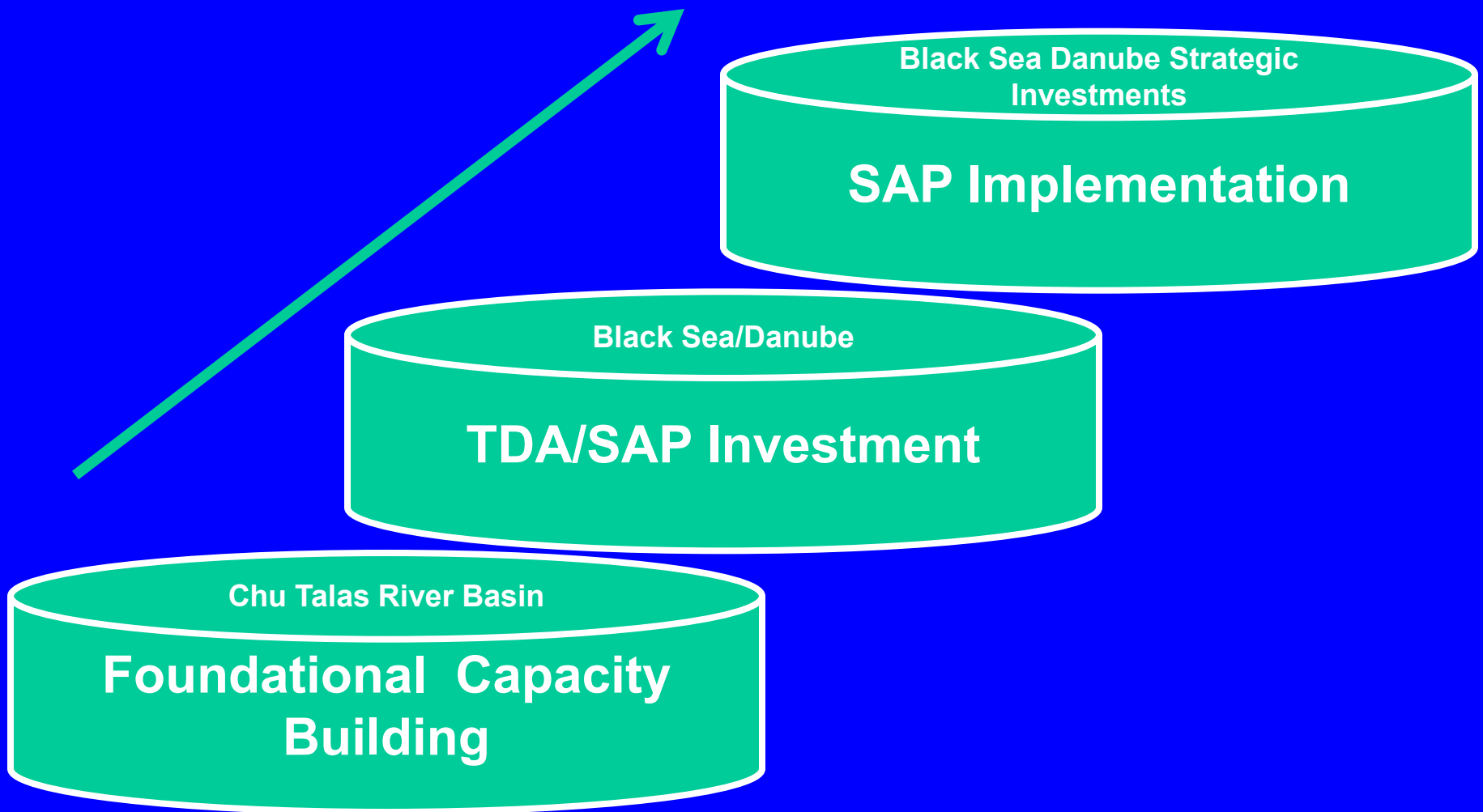
****2 Long-term Goals for the IW area:***

-Agreement for collective, multi-state management of transboundary water systems

-Implementation of the full range of technical, economic, financial, regulatory, and institutional reforms and investments contributing to sustainable use of those transboundary waters

****Collective management*** can increase the basket of benefits, flexibility, adaptive opportunities for shared water resources/oceans

GEF IW invest modality



Monitoring & Evaluation Indicators for Tracking Results from Transboundary Water Projects

- ❖ **Process indicators* – Adoption of agreed processes & reforms regionally and nationally for particular sector
 - ❖ **Stress Reduction indicators* – Implementation of on-the-ground measures leading to reduced stress
 - ❖ **Environmental/Water Resources Status indicators* – Actual improvement in water resources/water environment/socio-economic conditions
- see GEF M & E Paper # 10 M & E Indicators for GEF IW Projects

GEF Nile Basin Transboundary Environmental Action Project

The Nile Basin Initiative: 10 nations and many development partners promote transboundary peace, security, & stability, toward sustainable development and MDGs.

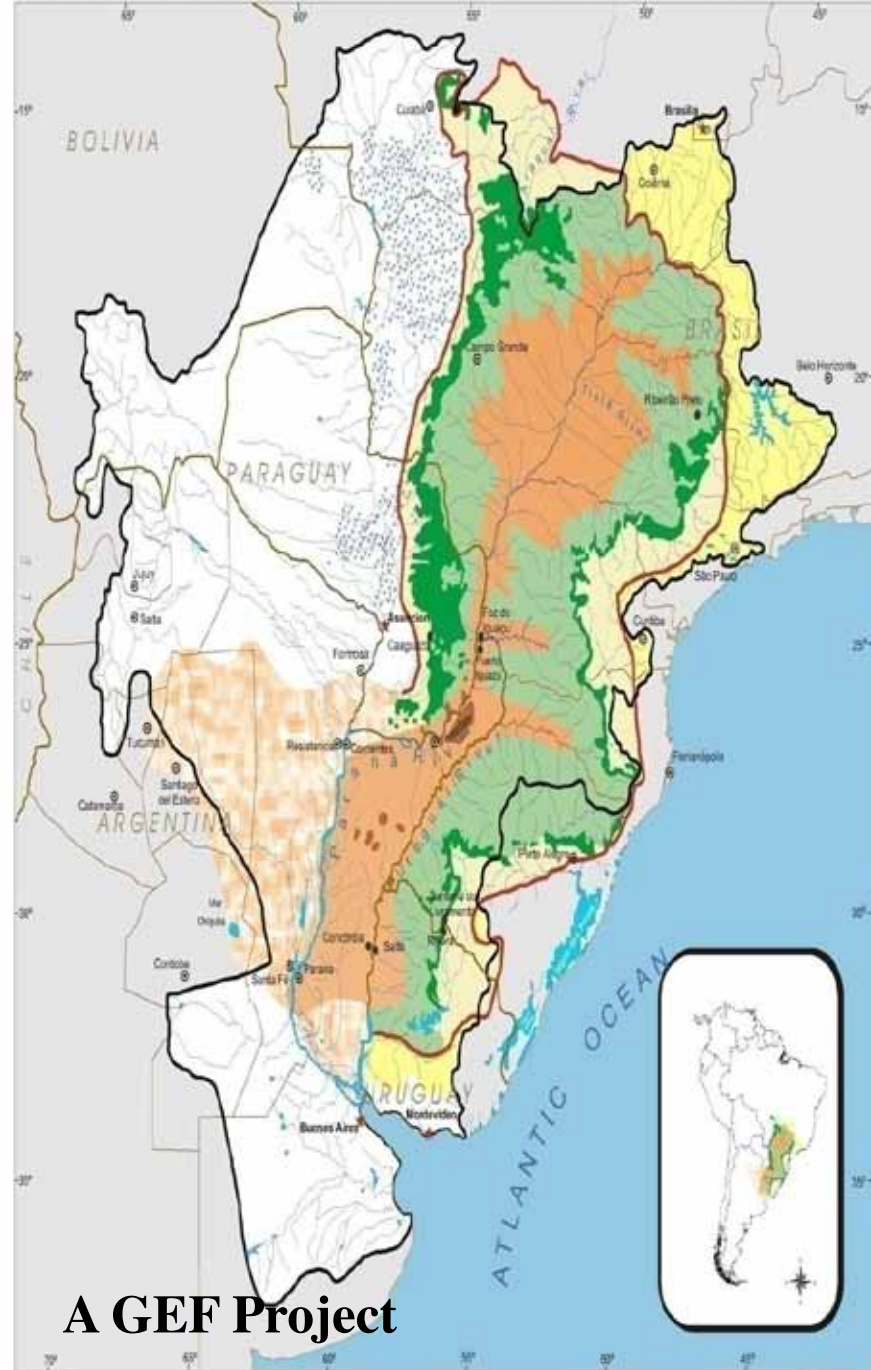


The Guarani Aquifer Project

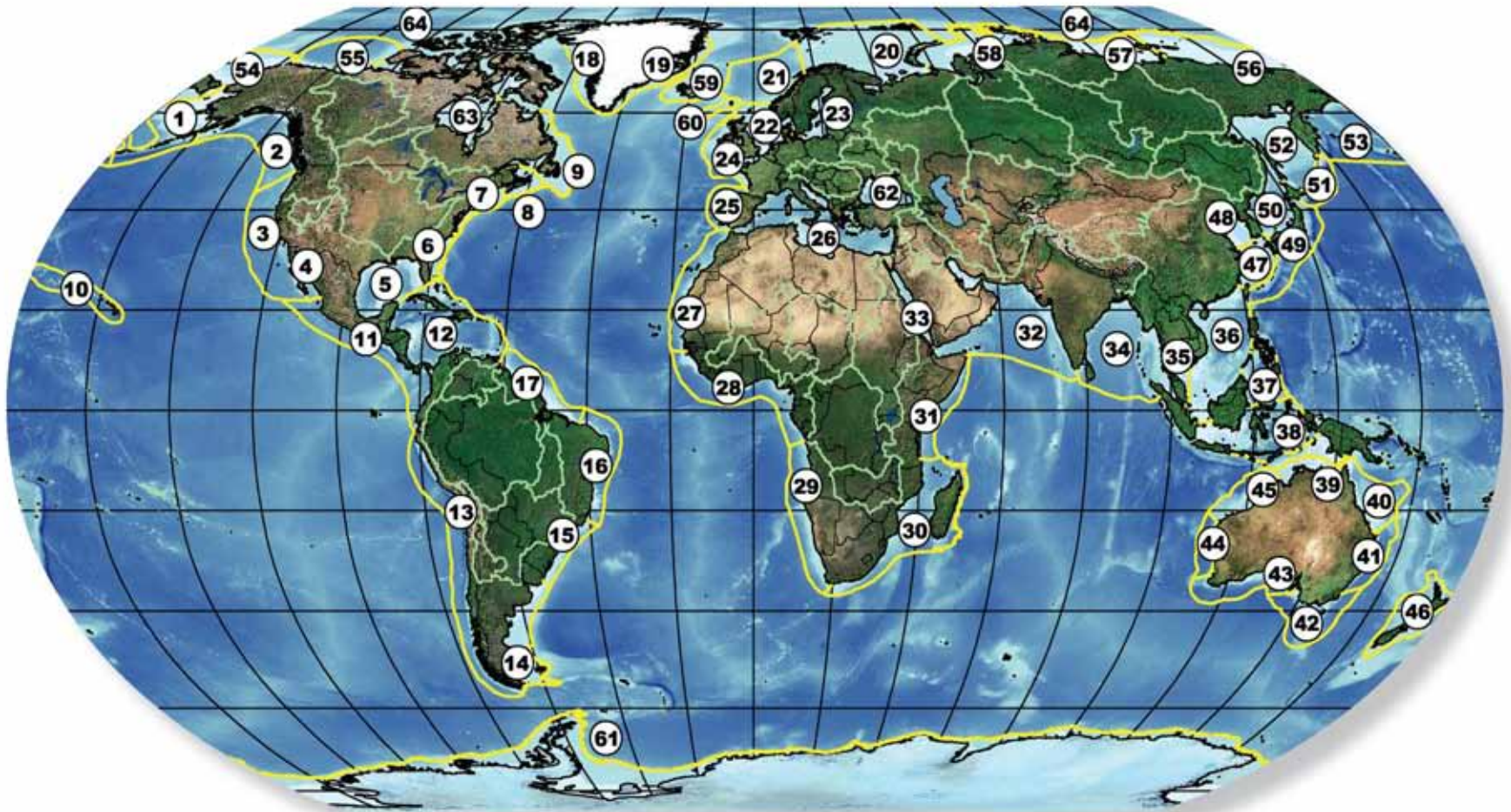


Without preventative measures, uncontrolled pollution in its extraction and recharge areas could threaten the Guarani aquifer, which contains sufficient water to supply 360 million people on a sustainable basis.

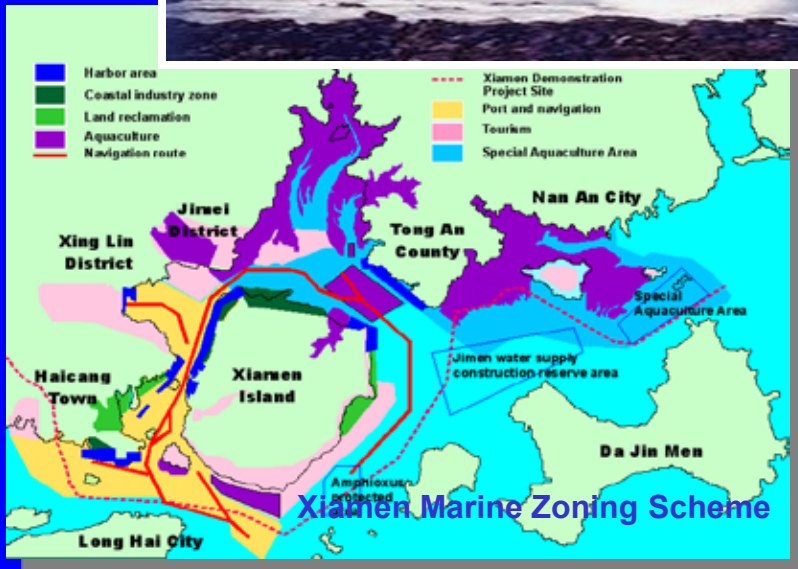
SCHEMATIC MAP OF THE GUARANI AQUIFER SYSTEM



Large Marine Ecosystems of the World and Linked Watersheds



Fostering Sustainable Development of Coastal Areas



GEF IW Ecosystem-Based Approach to Management at Multiple Scales

Large Marine Ecosystem Scale

(South China Sea LME-UNEP)

Coastal Municipality/Provincial ICM scale

(Da Nang, Vietnam - UNDP PEMSEA)

River Basin Linkage Scale

(GPA Mekong River Basin/delta - World Bank)

Local Community-based Demo Sites

(Phu Quoc Fish Refugia Vietnam- UNEP)

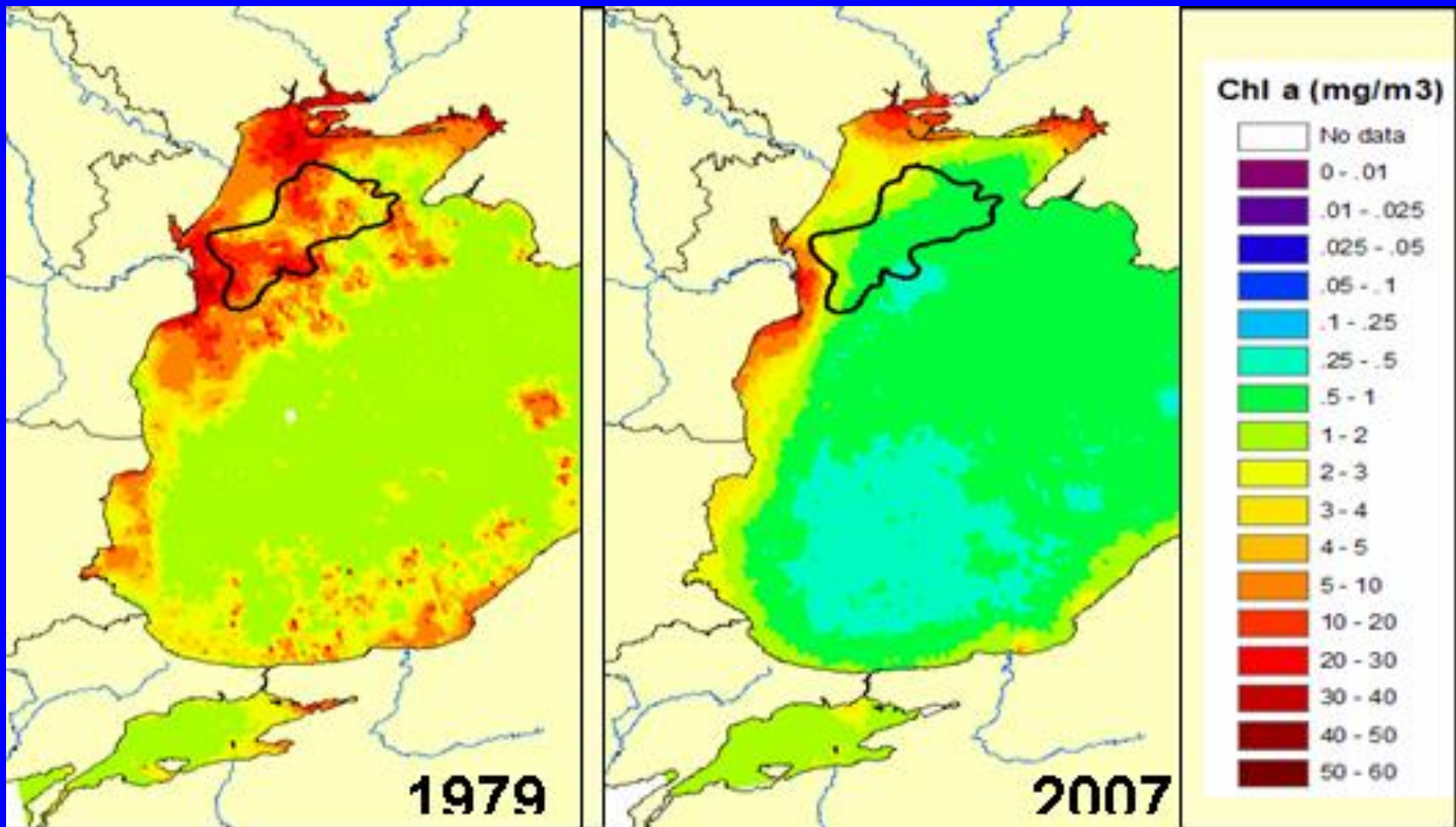


The Danube - Black Sea Basin Strategic Partnership for Nutrient Pollution Reduction: support to the GPA (\$100 m GEF)

- UNDP; UNEP, World Bank; EU
- 16 basin countries
- 3 Regional projects
- \$70 million Investment Fund (WB) approved by GEF Council in 3 tranches- \$330 m co-fin.
- **PROGRAM**, not just **PROJECTS** with multiple **PARTNERS**



Black Sea LME-Reduction of Nutrients: Reduction of Eutrophication & Hypoxia



GEF5 IW Objectives



Objective 1: Catalyze multi-state cooperation to balance conflicting water uses in transboundary surface and groundwater basins while considering climatic variability and change

- **Objective 2:** Catalyze multi-state cooperation to rebuild marine fisheries and reduce pollution of coasts and Large Marine Ecosystems while considering climatic variability and change

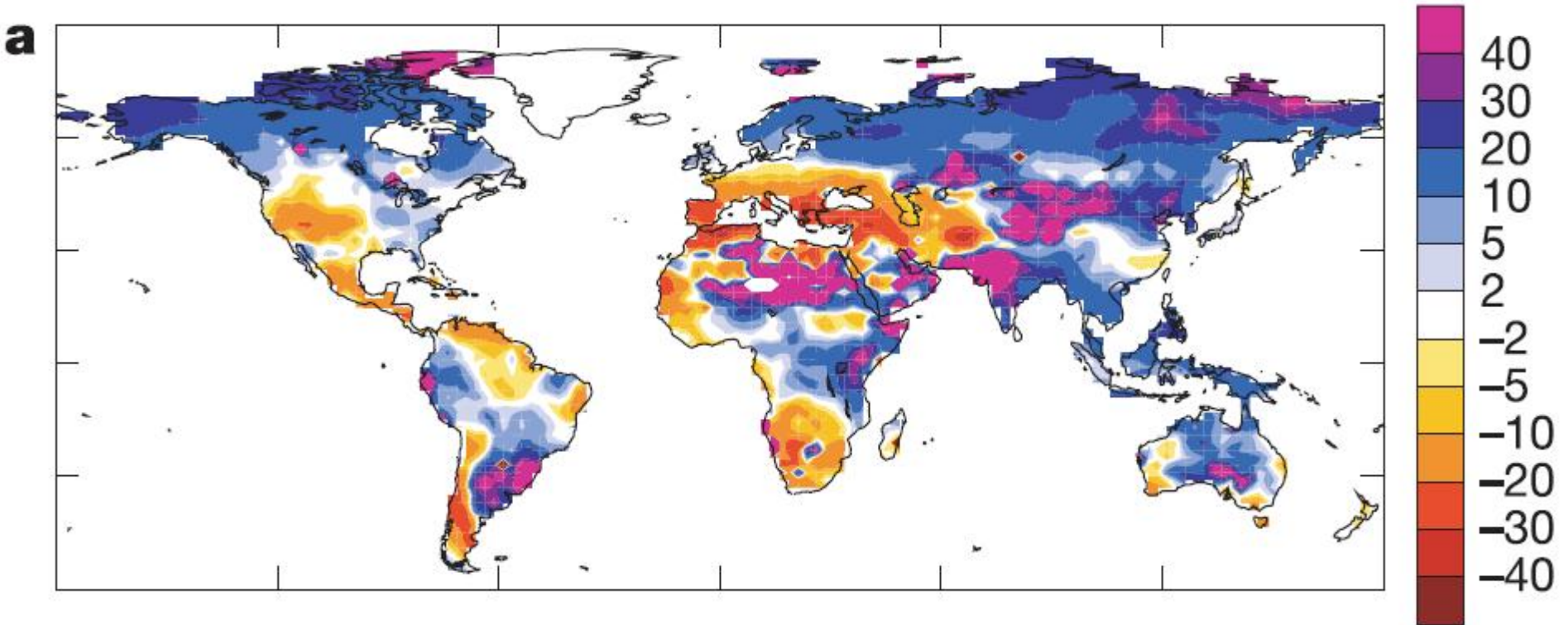


- **Objective 3:** Support foundational capacity building, portfolio learning, and targeted research needs for joint, ecosystem-based management of trans-boundary water systems

- **Objective 4:** Promote effective management of Marine Areas Beyond National Jurisdiction (ABNJ)

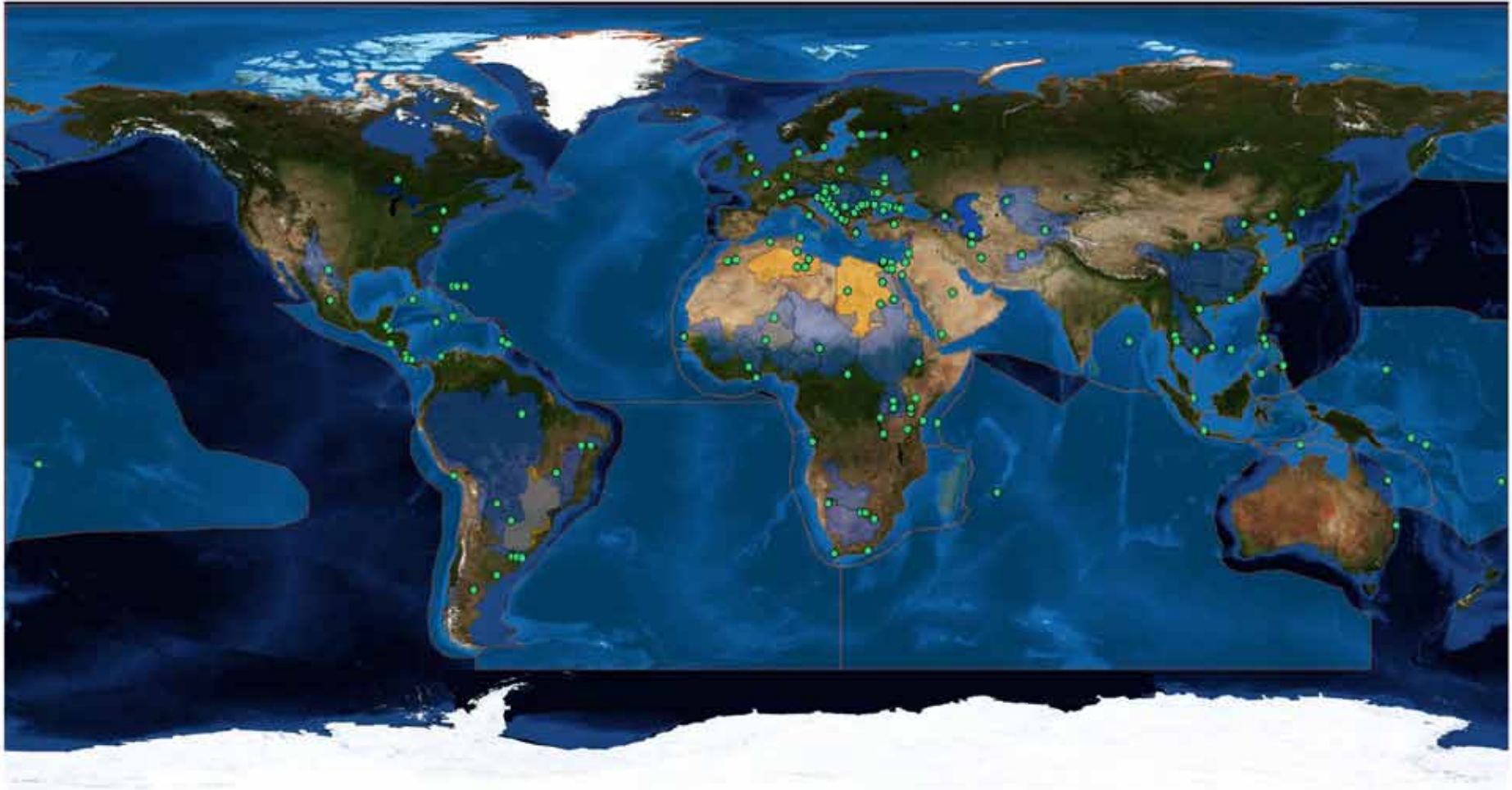


A Different World-Projected Change in Runoff by 2050 in %



- Many of the major “food-bowls” of the world are projected to become significantly drier
- Higher temperatures will tend to reduce run off

GEF IW Portfolio 1991 - 2012



Legend
Project Management Offices
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