



Regional Coordination of Science & Technology on Water

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Director UNESCO Regional Science Bureau
GEOSS AWCI, 12 January 2017





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Global Context



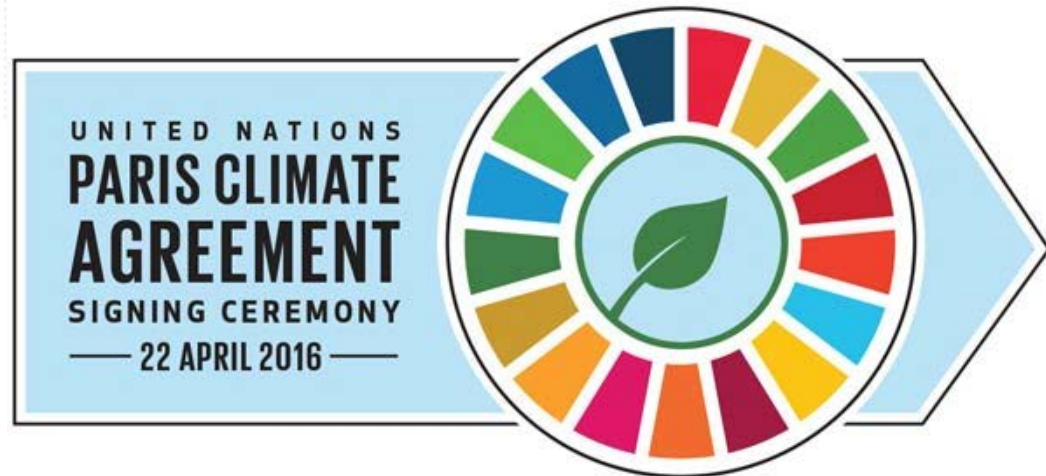
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Global Space for Action

**Sendai Framework
for Disaster Risk Reduction
2015 - 2030**

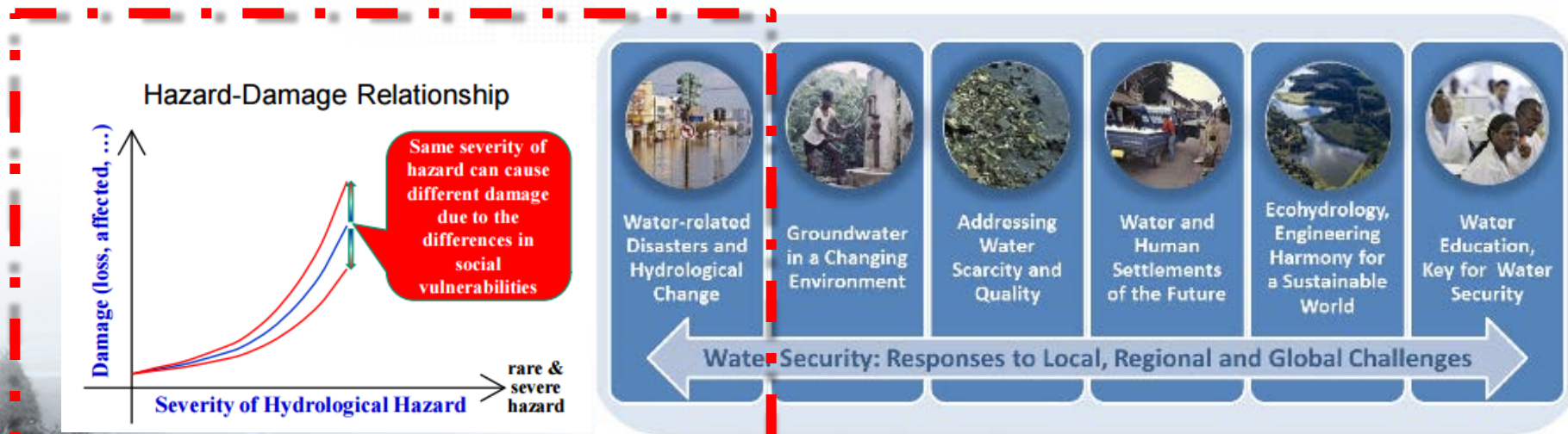


UN Conference on
Small Island
Developing States
Apia, Samoa | 2014

Current UNESCO Water Actions

UNESCO's Intergovernmental Scientific Cooperative Programme in Hydrology and Water Resources since 1975

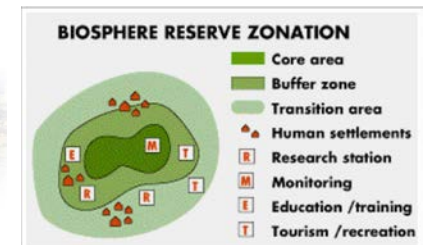
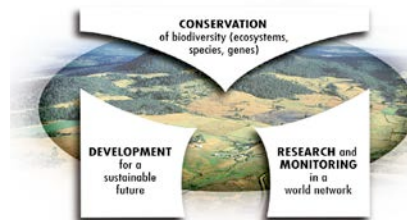
UNESCO INTERNATIONAL HYDROLOGICAL PROGRAMME EIGHT PHASE (2014-2021)
UNESCO-IHP-VIII: "WATER SECURITY Responses to Local, Regional, and Global Challenges"



- Risk management as adaptation to global changes
- Understanding coupled human and natural processes
- Benefiting from global and local earth observation systems
- Addressing uncertainty and improving its communication
- Improving the scientific basis to extreme hydrological events

Fostering Synergies Between UNESCO Natural Sciences Programmes

- Man and Biosphere programme:
 - Biosphere Reserves



- International Geoparks and Geosciences Programme:



UNESCO
Global
Geoparks

Geopark : territorial entity focusing on

- Natural Resources
- Geological Hazards
- Climate Change
- Education
- Science
- Culture
- Women
- Sustainable Development
- Local and indigenous Knowledge
- Geoconservation





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Fostering Regional Cooperation

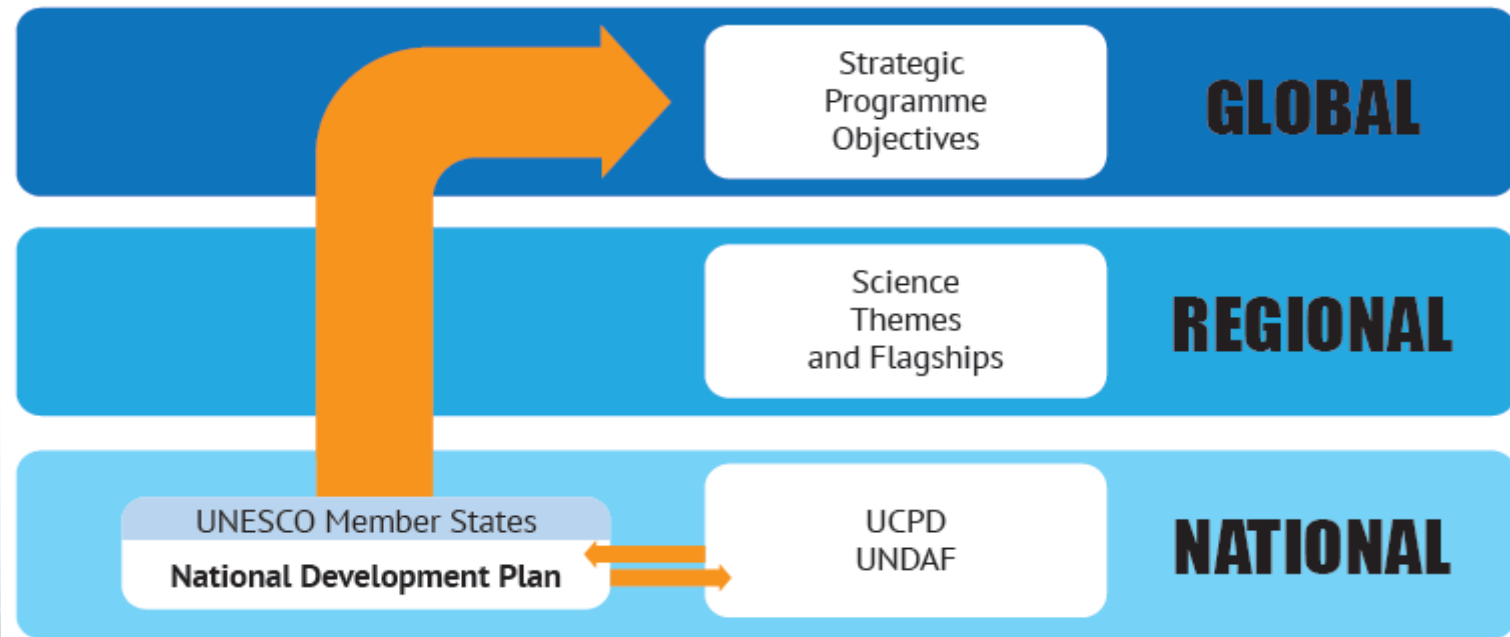


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Regional Science Bureau Science Strategy



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グローバル 地域 各国の中期推進計画目標を結ぶ

Framework Agreement for Cooperation between UNESCO and ASEAN

Priority areas

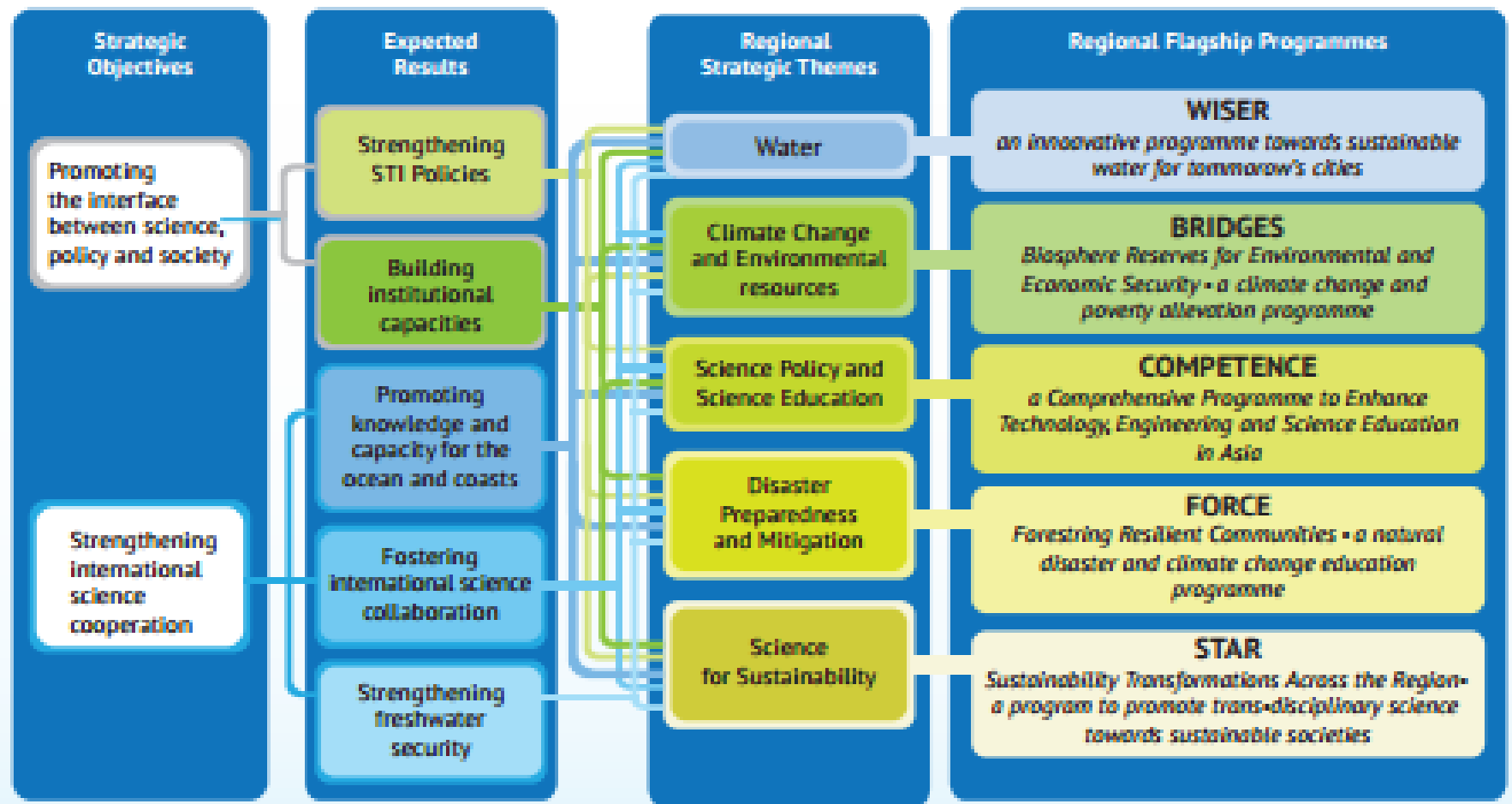
- Education,
- Science technology and innovation;
- Disaster risk education;
- Environmental sustainability (*Climate change and its impacts, water security*);
- Social and human sciences;
- Culture;
- Communication and information.





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Regional Science Bureau Science Strategy



Regional workshop of UNESCO Natural Sciences Centres and Chairs in Asia and the Pacific

- Mapping and Networking of UNESCO's Natural Sciences related Category 2 Centers and Chairs to support the Post-2015 Development Agenda in Asia and the Pacific





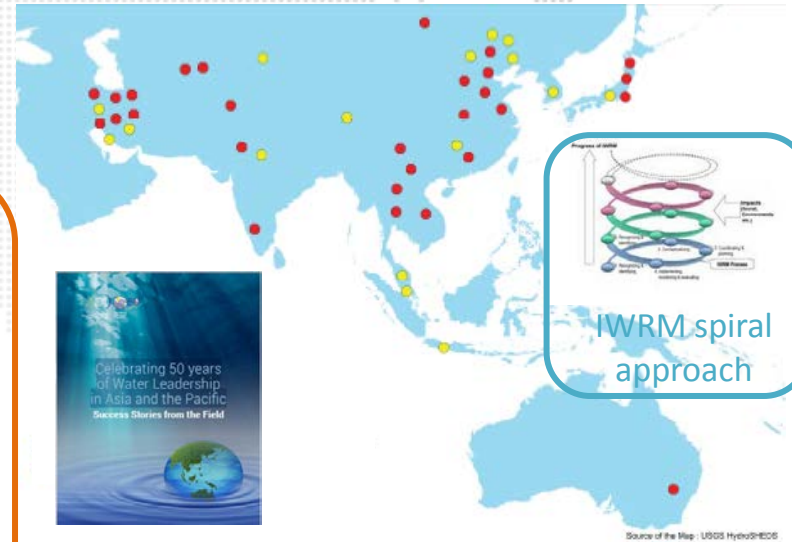
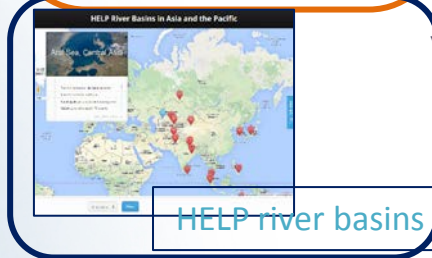
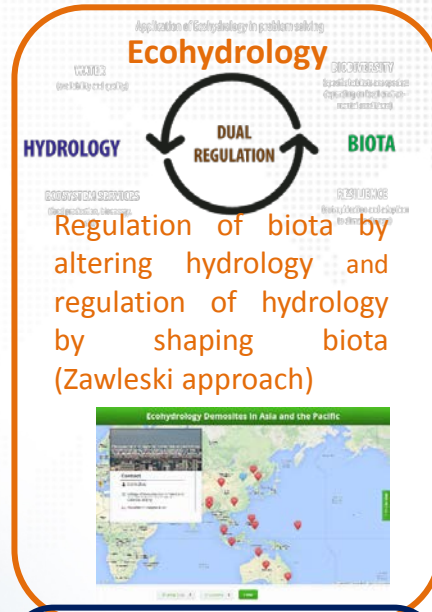
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International
Hydrological
Programme

UNESCO-IHP in the Asia Pacific Region

- 17 IHP National Committees
- 6 UNESCO Water Centres among 15 Science Centres
- 6 UNESCO Water Chairs among 28 Science Chairs in the Asia Pacific Region.
- Regional Steering Committee for Southeast Asia and the Pacific.
- International Flood Initiative Secretariat
- International Drought Initiative Secretariat



- UNESCO Natural Sciences Category-2 Centers in Asia and the Pacific
- UNESCO Natural Sciences Chairs in Asia and the Pacific



SDGs Goal 6: Ensure availability and sustainable management of water and sanitation for all

8 Global targets, and
12 global indicators.

6 Projects in Indonesia



Medan City

Target 6.1
Equitable access to
safe and
affordable
drinking Water

Target 6.5
Integrated Water
Resources
Management
Implementation

Ex-Mega
Rice Project

Target 6.b Local
Community Participation

Pari Island

Borobudur Area

Target 6.5 Integrated
Water Resources
Management
Implementation, and
Target 6.b Local
Community Participation

Saguling
Reservoir

Yogyakarta City

Target 6.5 Integrated Water
Resources Management
Implementation

Jember City

Target 6.b Local
Community Participation

Target 6.3 Improve Water
Quality, and Target 6.6
Water-related Ecosystem

Kefamenanu

Ongoing JICA funded project Strategic Strengthening of Flood Warning and Management Capacity of Pakistan- Phase 2



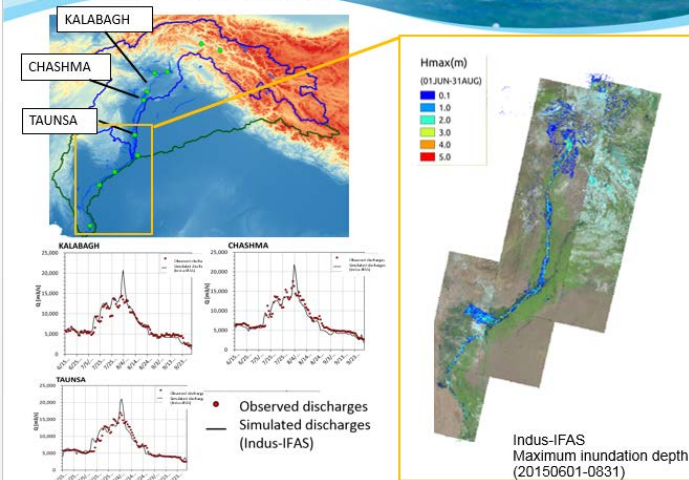
Introduction of Mr Aziz Aimaq, director
ANDMA and Mr Farhad Nayyer, Modeller
MEW Afghanistan to Mr Riaz, Chief
Meteorologist, FFD in presence of ICHARM
(Mr Iwami, Dr Tsuda) , 22 April 2016

A. Establishment of the technical foundation for sustainable capacity development on the flood management, forecasting, early warning and flood hazard analysis in Pakistan agencies

B. Technical studies to promote strengthening of cooperation with Indus river basin countries for transboundary flood management and transboundary data sharing

C. Capacity building and education to community on flood management for proper utilization of flood hazard information and tools

Indus-IFAS Simulation result for 2015 Flood season





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Water related disasters

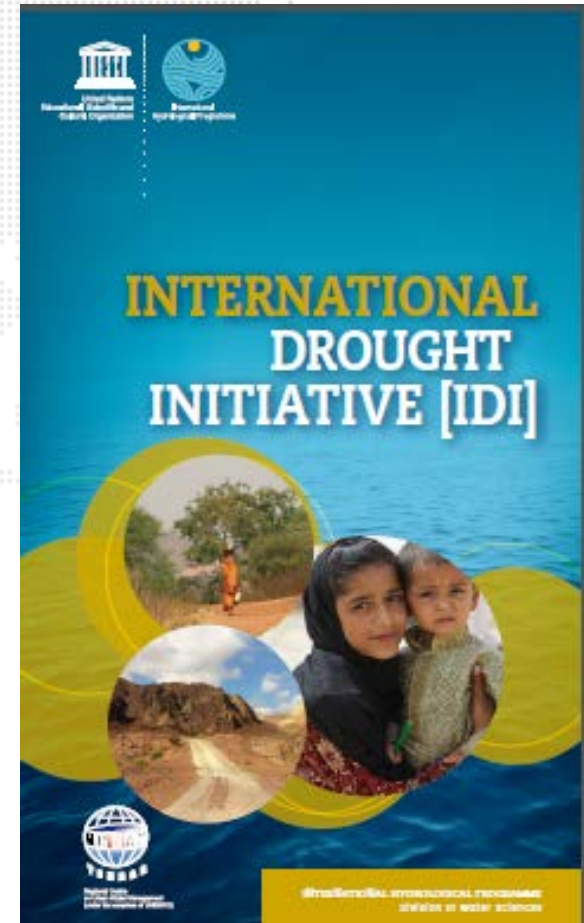
Initiatives



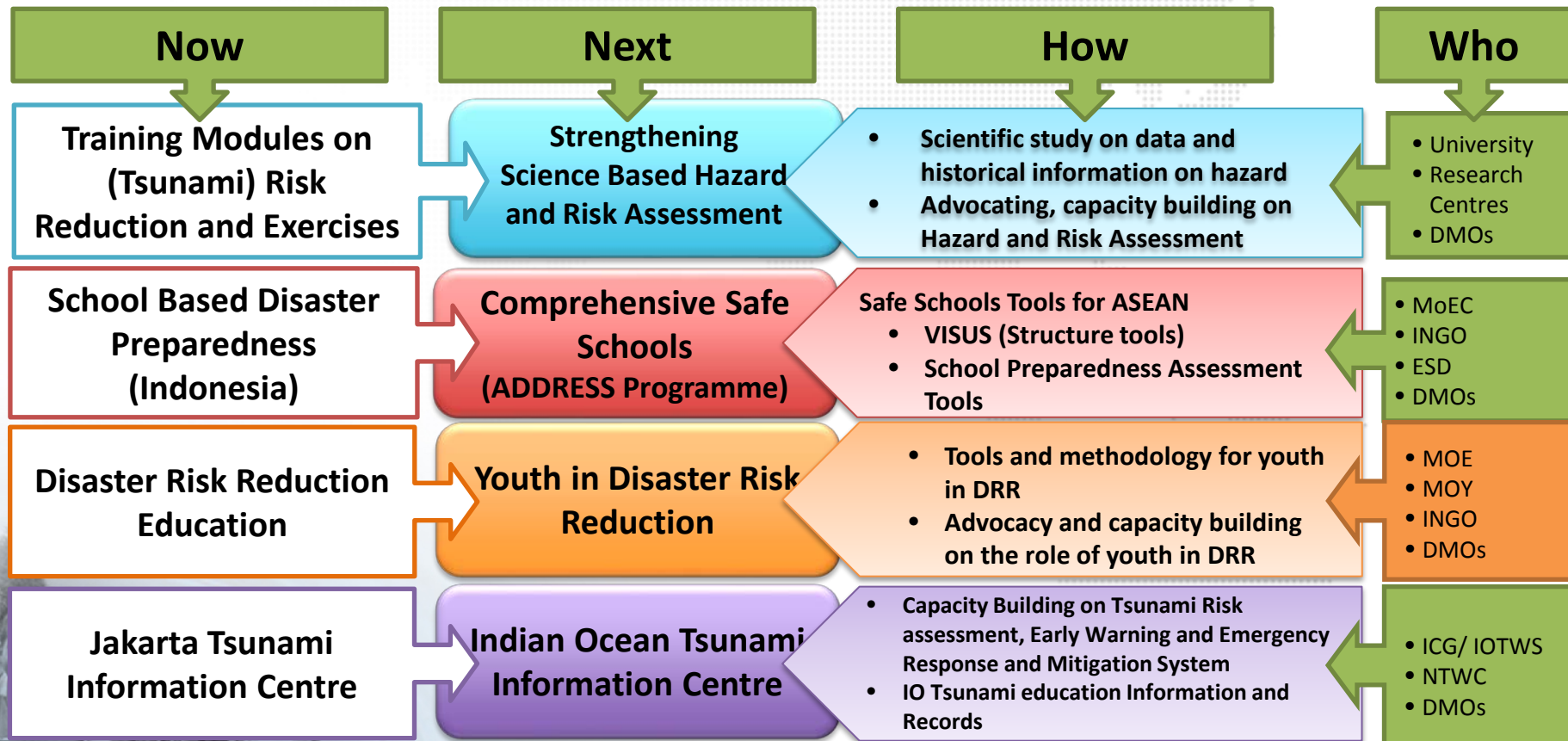
In Close Collaboration with:



UNESCO office Jakarta to contribute case studies
in Asia and the Pacific region.



DRR Programme and Activity 2016-2017





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Thank you very much!
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