



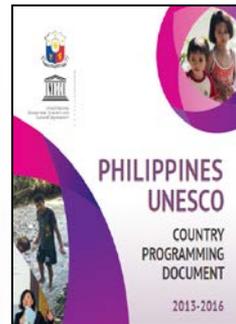
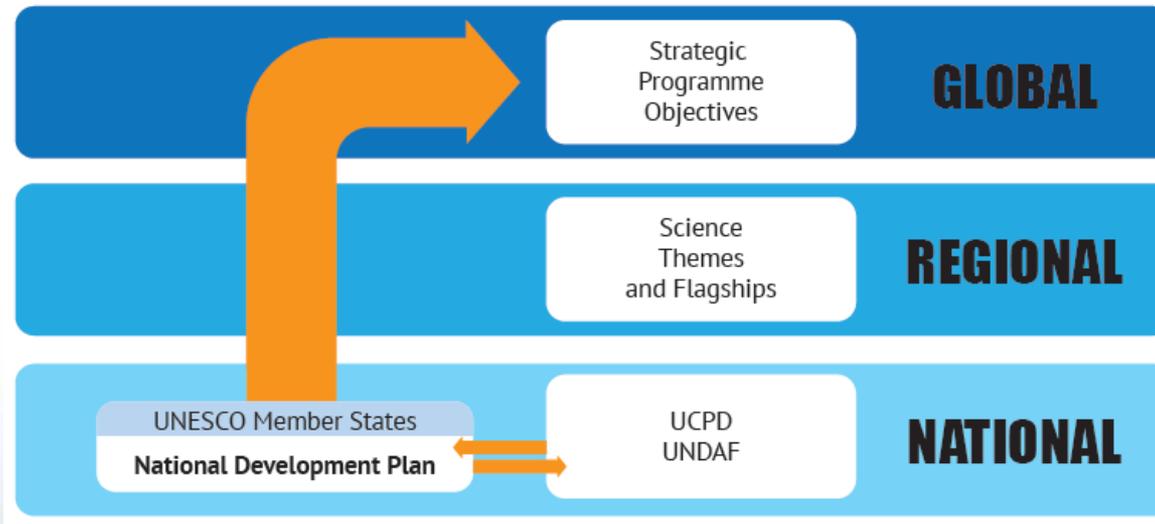
# International workshop on “Promoting Biotechnology Education, Research and Knowledge Transfer in Asia and the Pacific”

## Final Dissemination Workshop for UNESCO Biotechnology School in Asia

RCB, Faridabad, India  
15-16 October 2017

# Natural Sciences Programmes

## Linking Global and Regional Medium Term Strategic Objectives



**R&D, Capacity Building, Training, Networking, and Policy Advice**

# VISION as the regional sciences bureau for Asia and the Pacific

- **Vision: Fostering Sciences for Sustainable Development in the Asia-Pacific Region**
- Sustainable solutions - whether at the global, regional or country level - will require creativity, new advances in scientific knowledge, discoveries and innovations. Innovation geared towards sustainable development has the potential to lift economic growth, create green jobs, and boost social development while at the same time contributing to environment protection and conservation.
- By fostering dialogue, cooperation, networking, capacity building and knowledge-sharing with the scientific community, decision makers, and civil society in the Asia-Pacific region as well as at country level, the UNESCO Regional Science Bureau for Asia and the Pacific will contribute to the ultimate Vision where Member States will be able to 'meet society's needs via science based solutions'.

# MISSION as the regional sciences bureau for Asia and the Pacific

- **The Bureau will carry out the following mission:**
- **To work with Member States on key issues and problems in Asia-Pacific region, in order to engage sciences in the service of human needs and improve both environment and quality of life of the region's people.**
- **To mobilize science, technology, innovation and policy, for enabling Member States in the region on addressing new and emerging challenges that could facilitate to set a course for a sustainable future.**

# Natural Sciences Programmes and Initiatives

## International Science Programmes



Intergovernmental  
Oceanographic  
Commission



International  
Hydrological  
Programme



Man and  
the Biosphere  
Programme



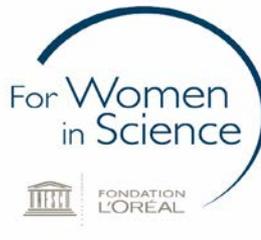
International  
Geoscience  
and Geopark  
Programme



## UNESCO's initiatives



Sustainability  
Science



For Women  
in Science



FONDATION  
L'ORÉAL



GLOBAL  
GEOPARKS  
NETWORK



UNESCO  
BIODIVERSITY  
INITIATIVE (UBI)



World  
Water  
Assessment  
Programme



engineering



LINKS  
LOCAL AND BIODIVERSITY KNOWLEDGE SYSTEMS



COMEST



DISASTER  
PREPAREDNESS  
AND MITIGATION



THE  
UNESCO  
Climate Change  
Initiative



World  
Heritage  
Convention



INTERNATIONAL  
BIOETHICS  
COMMITTEE  
(IBC)

# Context of the workshop

- 1973-2003: **UNESCO-JAPAN International Post-Graduate University Course in Microbiology**
- 2003-2007: **UNESCO-JAPAN Postgraduate Inter-University Course in Biotechnology**
- 2011-2017: **UNESCO Biotechnology School in Asia**
- Supported by Japanese Funds In Trust

# Objectives UNESCO Biotechnology School in Asia

- To establish an **international graduate programme in biotechnology** for talented individuals from less-developed countries in Asia Pacific, as well as to increase the ability of the host countries in the region to accept and educate students from less-developed countries.
- The **new UNESCO Masters degree programme** integrates advanced research training with pre-existing or newly launched Masters courses in universities of **Thailand, the Philippines, Indonesia and Vietnam** and create regional platform for **Biotechnology Universities**.

# Implementing partners:

- Osaka University (representing Japanese universities),
- Thai Universities Consortium,
- Philippine Universities Consortium,
- Indonesian Universities Consortium, and
- Vietnam Universities Consortium,

# Activities of UNESCO Biotechnology School in Asia

1. Establishment of a multi-country platform for education and research training in biotechnology with uniform standards.
2. Establishment of a UNESCO-sponsored international Masters Degree training course in universities of Thailand, Indonesia, the Philippines and Vietnam.
3. Successful operation of the Master Degree for three cohorts (33 graduates).
4. **Final synthesis and dissemination workshop in collaboration with UNESCO Category 2 Centres on Biotechnology in India and Pakistan.**

# Workshop Objectives

- The main objective of this 2days workshop is to report and formalise the lessons learnt on the institutional mechanisms required for the successful establishment of a regional platform of national consortia of biotechnology universities in the Asia and the Pacific region and identify the remaining gaps and challenges to deliver in the field of Biotechnology, SDG 17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development, targets 17.6 to 17.9 in Asia and the Pacific region.

# Expected outputs

- Formulation of a guideline on necessary mechanisms for multi-lateral research and scientist mobility in Asia and the Pacific region
- Expert recommendations on the current hot-spots and priority challenges for biotechnology sector to achieve **SDG 17 : New Delhi Recommendations for Biotechnology challenges to deliver 2030 Agenda in Asia and the Pacific region**



**Thank you very much**  
**Dr Ai Sugiura, Programme Specialist Science Policy and**  
**Capacity Building, UNESCO Regional Science Bureau for**  
**Asia and the Pacific**

**[a.sugiura@unesco.org](mailto:a.sugiura@unesco.org)**