



LEMBAGA ILMU PENGETAHUAN INDONESIA
(INDONESIAN INSTITUTE OF SCIENCES)



PROFILE OVERVIEW



World Class Research Institution

- **Oldest research institution**
 - Established in 1967
 - Its history is much older, rooted from colonial era, in 1817 (Center for Plant Conservation/ Bogor Botanical Garden)
- **Largest research Institution**
- **Leading patent contributor in Indonesia**





Largest Research Institution

- 26 Research Centers
- 16 Technical Implementation Units
- 4 Administrative Bureaus
- 2 International Center
- 4 Botanical Gardens
- 4823 employees (1543 researchers)
- Located in 11 provinces





World Class Facilities

For Biodiversity and Life Sciences

- **Herbarium Bogoriense**
 - Third largest herbarium in flora reference collections
 - Established in 1817
- **Zoologicum Bogoriense Museum**
 - Top ten largest fauna specimen reference collections
- **4 Botanical Gardens**
 - Bogor (est. 1817), Cibodas (est. 1861)
 - Bali and Purwodadi (1941)
- **Indonesian Culture Collection (2014)**





Other Facilities

- **2 Marine Research Vessel**
 - Baruna Jaya VII and VIII
- **National Centre for Scientific Documentation and Information**
- **Center for Measurement and Assessment Standards serves as National Reference for Measurement and Testing**





National Hierarchy

**President
of the Republic of Indonesia**

**Special
Bodies**

Ministries

**LIPI
and others**



LIPI

Organizational Hierarchy



Chairman of LIPI

Prof. Dr. Iskandar Zulkarnain



Executive Secretary

Dr. Siti Nuramaliati Prijono



Deputy for Life Science

Prof. Dr. Enny Sudarmonowati



Deputy for Social Science and Humanities

Prof. Dr. Aswatini

Vice Chairman

Dr. Akmadi Abbas



Deputy for Earth Science

Dr. Zainal Arifin



Deputy for Engineering Science

Dr. Laksana Tri Handoko



Deputy for Scientific Services

Prof. Dr. Bambang Subiyanto





RESEARCH CENTRES

EARTH SCIENCES

Geotechnology
Oceanography
Limnology
Metalurgy and Material
Deep Sea, Ambon

LIFE SCIENCES

Biology
Biotechnology
Biomaterials
Botanical Garden Conservation Center

ENGINEERING SCIENCES

Physics
Chemistry
Informatic
Electricity & Mechatronics
Electronics & Telecommunication
Appropriate Technology Development

SOCIAL SCIENCES & HUMANITIES

Society & Culture
Economics
Population
Politics
Regional Resources

SCIENTIFIC SERVICES

Center for Innovation
Center for Documentation & Scientific Information
Metrology
Quality System & Assessment Technology

Center for Development of Science & Technology

Center for Researcher Development, Education and Training



Scientific Authority

1. Governing body for researchers nationwide (training, assessment and authorization / granting of Research Professorships)
2. Accreditation for Indonesian scientific journals
3. Scientific authority in the fields of:
 - a) Biodiversity Conservation and Utilities eg.CITES
 - b) Botanical Gardens Construction and Management
 - c) Scientific Measurement and Testing





Research Areas

Engineering Sciences

- Defence and Safety
- IT, Telecommunication and Electronic
- Clean Transportation
- Advanced Material and Nanotechnology



Social Science and Humanities

- Demography and Population
- Cultural and Linguistic Studies
- Policy and Good Governance
- Regional and Local Autonomy
- Conflict Studies and Poverty





Research Areas

Earth Sciences and Climate Change

- Sustainable water supply
- Integrated watershed and ecohydrological research
- Coastal and maritime-based regional development
- Climate change and Disaster risk reduction
- Coral reef ecology and conservation
- Coal and mineral resources



Life Sciences and Biodiversity

- Molecular Biology, Biotechnology, and Medicine
- Biomedical sciences
- Molecular farming and post-genomic
- Exploration and Utilization of Biodiversity





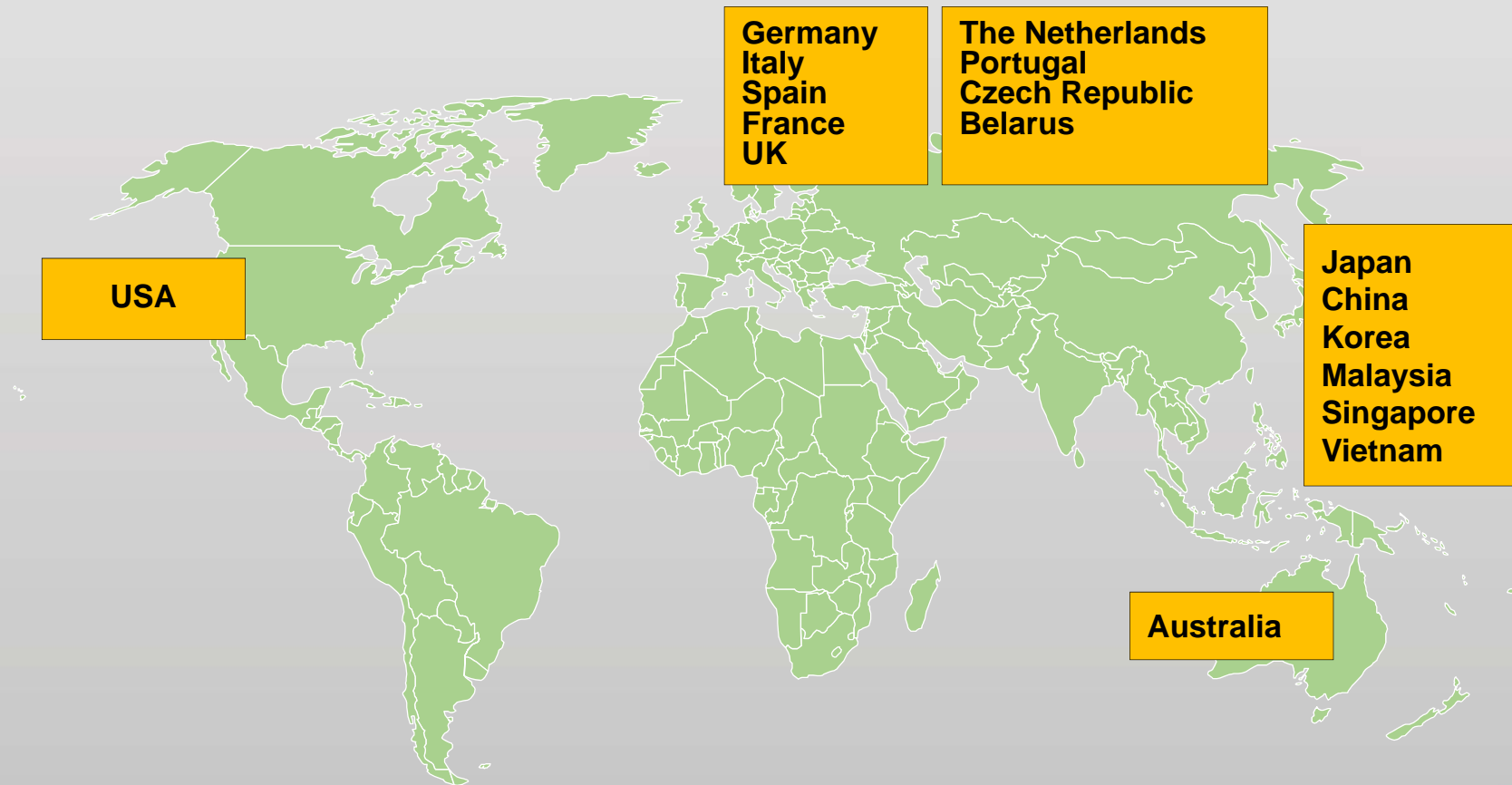
International Centers

- **Asia-Pacific Centers for Ecohydrology (APCE)**
- **International Center for Interdisciplinary and Advanced Research (ICIAR)**





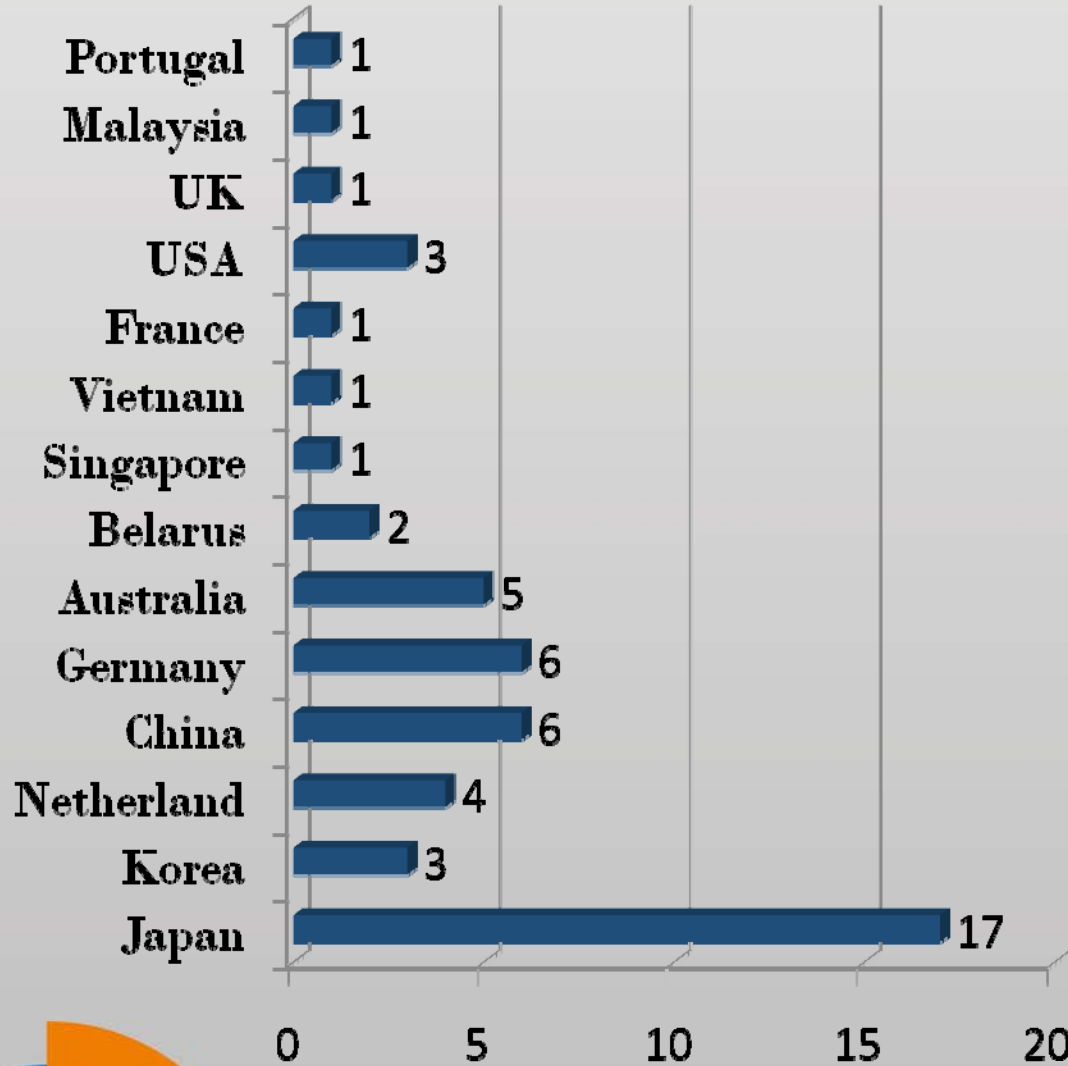
Worldwide Network



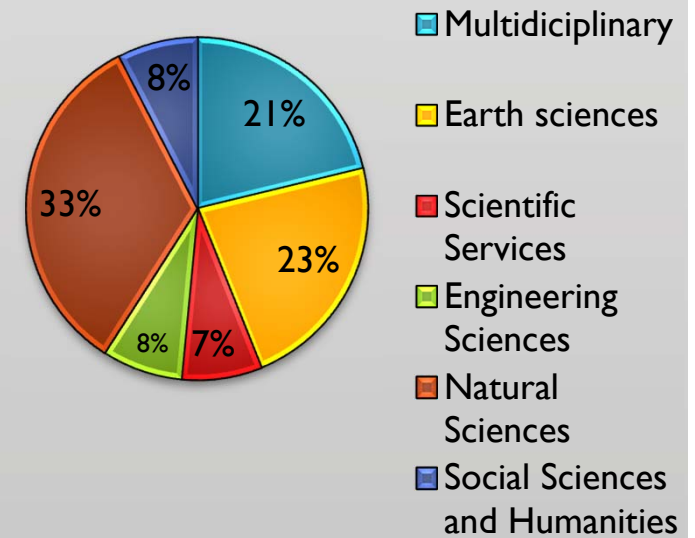


LIPI

International Collaboration (2010 – Mei 2015) : 64 Collaborations



AREAS OF COOPERATION





LIPI

UNESCO National Focal Points



IHP (International Hydrological Program)
APCE (Asia Pacific Center for Ecohydrology)



IOC (Intergovernmental Oceanographic Commission)



MOST (Management of Social Transformations)



MAB (Man and the Biosphere)
10 Biosphere Reserves Nation Wide



IGBC (Intergovernmental Bioethics Committee)



MOW (Memory of The World)



Membership International Scientific Organizations

- SCA - Science Council of Asia
- Asia HORCs - Asian Heads of Research Councils
- AASSREC - Association of Asian Social Science Research Councils
- APCTT - Asian and Pacific Centre for Transfer of Technology
- CODATA - Committee on Data for Science and Technology
- ICSU - International Council for Science
- PSA - Pacific Science Association
- IFSSO - International Federation of Social Science Organization
- WAITRO - World Association of Industrial and Technological Research Organization
- APMP - Asia Pacific Metrology Program
- BGCI - Botanic Gardens Conservation International
- IFMF - International Flora Malesiana Foundation
- GBIF - Global Biodiversity Information Facility





ASEAN COST National Focal Points ASEAN Commission on Science Technology:

Sub Committee (SC) on Biotechnology

SC on Material Science and Technology

SC on Sustainable Energy Research

SC on Microelectronics and Information Technology

SC on Food Science and Technology

SC on Marine Science and Technology

Possible Collaborations for ICT Technology

Category A	Category B	Category C	Collaboration Type
Convergence ICT	Energy ICT	Energy Production, Energy Storage, Energy Consumption, Energy Transaction	Research, Feasibility Study
	Chemical and Biological ICT	Chemical Reaction Simulation, Chemical and Biological Structure	Research
Radio/Sattelite	Radio Based Technology	Antenna/Radio Wave Propagation, F/Super High Frequency Prts and Module	Research
Broadcasting	Public Welfare and Disaster Broadcast	Disabled Person Support Broadcast and Disaster Broadcast	Research
Information Security	Service Security	Cloud/Big Data Security	Research
Generic S/W and Computing	Big Data	Big Data analysis and application S/W, Big Data Platform, Big Data Service	Research, Feasibility Study



Thank You