### International Webinar MAINSTREAMING LAKES IN THE GLOBAL WATER AGENDA 27 October 2020

# **Sustainable Lake Management in Indonesia**





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# Outline

- 1. Indonesian lakes
- 2. Challenges
- 3. Integrated Programs
- 4. International Cooperation
- 5. Call for Actions



### **1. Indonesian Lakes**









#### **Biodiversity of Indonesian Lakes**



Sidat fish, Lake Poso



Rainbow fish, Lake Sentani





Payangka fish, Lake Tondano



Batak fish, Lake Toba



Opudi fish, Lake Matano



Manggabai fish, Lake Limboto



Bilih fish, Lake Singkarak



Toman fish, Lake Sentarum



Semah fish, Lake Kerinci



Pesut, Mahakam

# 2. Challenges

- Human pressures
- Climate change
- Other natural phenomenon

# Water pollution and eutrophication



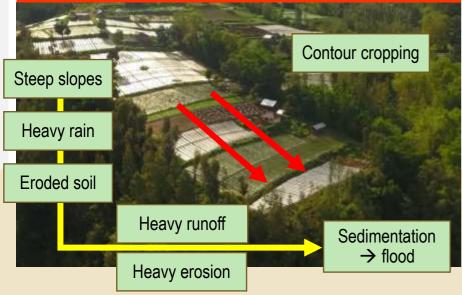
**Decreasing in** 





Introducing of invasive alien species, threatened from water transportation, power plant, overfishing, etc.

#### **Erosion and sedimentation**



# **3. Integrated Programs**



### Forest and Land Rehabilitation for erosion control, maintaining water supply and as greenbelt of the lake













Including civil engineering of soil and water conservation, and Integrated Agroforestry for lake conservation and livelihoods



## **4. International Cooperation**

Sharing of and gain more knowledge, understanding, experience and lessons learned on lake management and best practices.

Enhancing global concern and pursuing global action on lake conservation and rehabilitation.

Strengthening bilateral cooperation to improve knowledge and share experience in lake management, based on mutual understanding. REMOVEMENT OF COOPERATOR BETWEEN THE IMMETTIV OF REVINCINENT AND FORESTEV OF THE REPUBLIC OF REOREENA AND THE IMMETTIV OF THE REVINCINE OF ALPAN ON ENVIRONMENTAL COOPERATOR

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#### IE 16<sup>101</sup> WORLD LAKE CONFERENCE Int Ecosystem Constrained to Resiltence Diversity Constrained to Resiltence Diversity



# 5. Call for Action

- 1. Prioritizing lake conservation and rehabilitation, and mainstreaming it in local, national and international development program.
- 2. Enhancing community engagement through awareness, education and participation in lake protection, restoration and wise use of lake's ecosystem;
- 3. Enhancing research and innovation for sustainable lake management; and
- 4. Developing international networking and collaboration on sustainable lake management as well as strengthening and energizing the efforts of UN Agreements and Inter-UN bodies.

Our support for lake conservation and rehabilitation is imperative for the future of our ecosystems and our people, and for the destiny of the next generation.

# Thank you

# Lake is Life, Love it

