

# Inclusive governance and management of water and ecosystem services in the Ayeyarwady River Basin

## Introduction to WLE Ayeyarwady Tailor-Made Training Programme (1st & 2<sup>nd</sup> Batch Fellows)

Dr. Swe Swe Aye  
ARBRO  
13, Dec, 2017

# Why this fellowship programme?

- Water is high on the agenda in Myanmar
- Need for coordination, inclusiveness, preparing for the future
- Requires experts to do this and who understand concepts like IWRM and can critically reflect on its implementation for Ayeyarwady RBM
- Myanmar is now focusing on developing its natural resources in a sustainable and integrated manner. It has recently developed a Water Policy and is in the process of approving a Water Framework Directive.
- This project contributes to these processes in Myanmar by enhancing capacities for inclusive governance and management of water and ecosystems services



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# Aims

Tailor-made training programme of 9 months to build a group of mid-level professionals by

- creating common understanding of water, land and ecosystems in Ayeyarwady river basin to support cooperation key organizations
- enhancing personal skills (presenting, cooperation, debating)
- focus on active learning through interactive training workshops/seminars and project work coached by experienced water professionals



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# Target group

- Mid-level professionals of relevant water and water-related organizations including national and state government, academia and training centres and civil society.
- minimum of 5 years of experience
- show interest in active contribution to water resources management in Myanmar.
- fellow is linked to a senior staff member of his / her organization (e.g. HoD, support project work + enable to share and apply acquired knowledge and skills)



## Legend

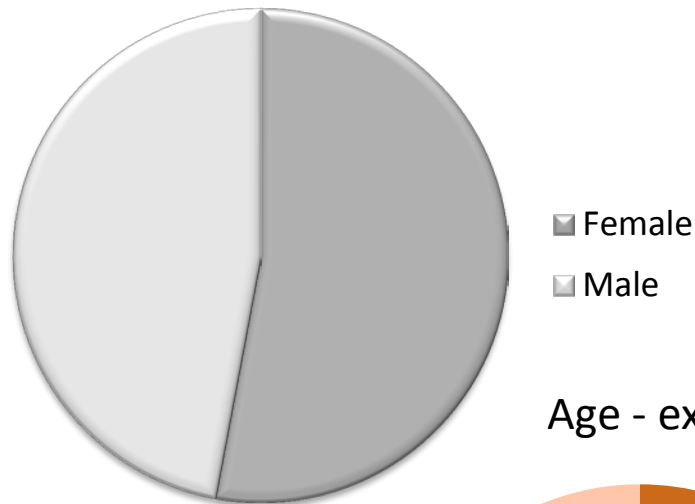
### WLE Ayeyarwaddy Fellowship Theme

- Data support
- Healthy landscapes and ecosystem
- Healthy rivers
- Safe rivers
- Water and cities
- Water and climate
- Water and energy
- Water and gender
- Water governance

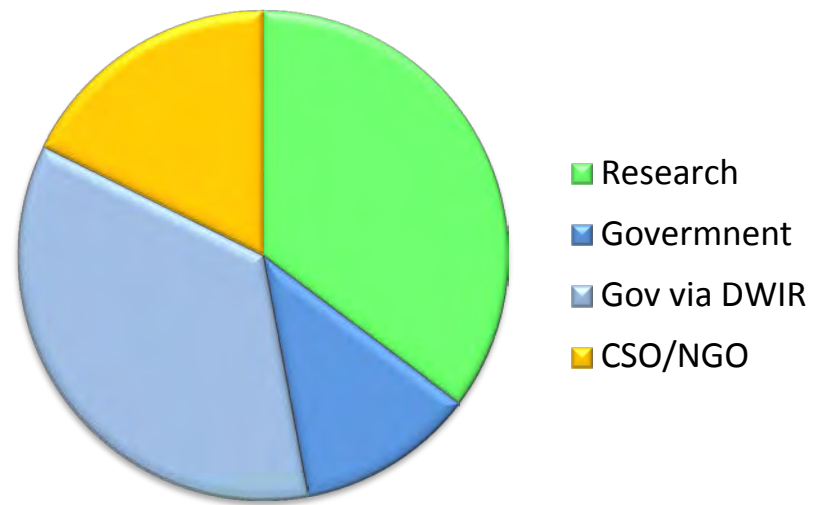


# 1st Batch Fellows for 2015-16, 13 + 4 ToT

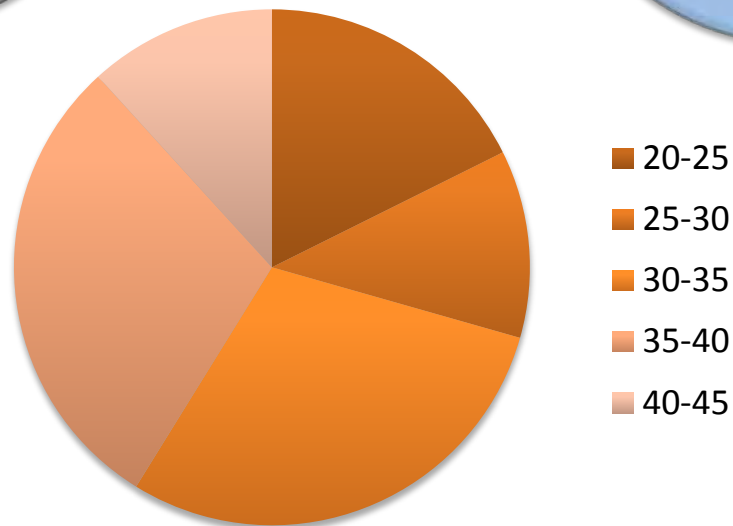
Gender



Sector



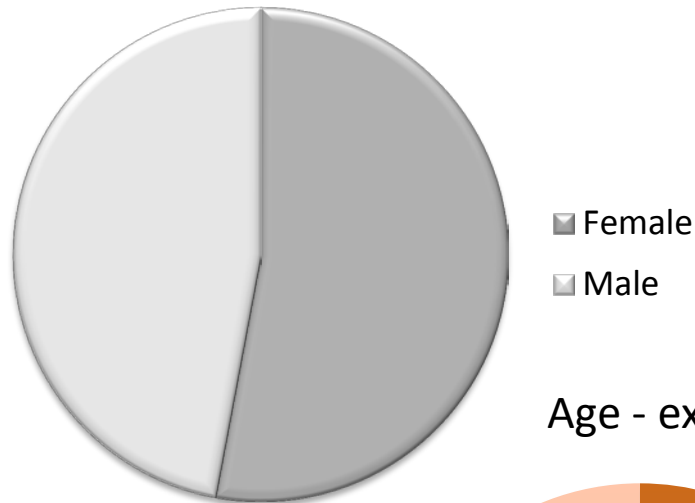
Age - experience



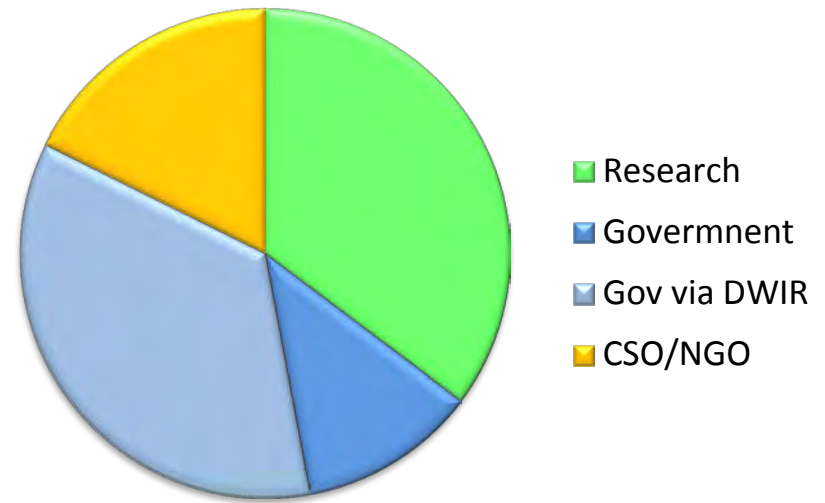
# 2<sup>nd</sup> Batch Fellows for 2016-17

## 17 Fellows

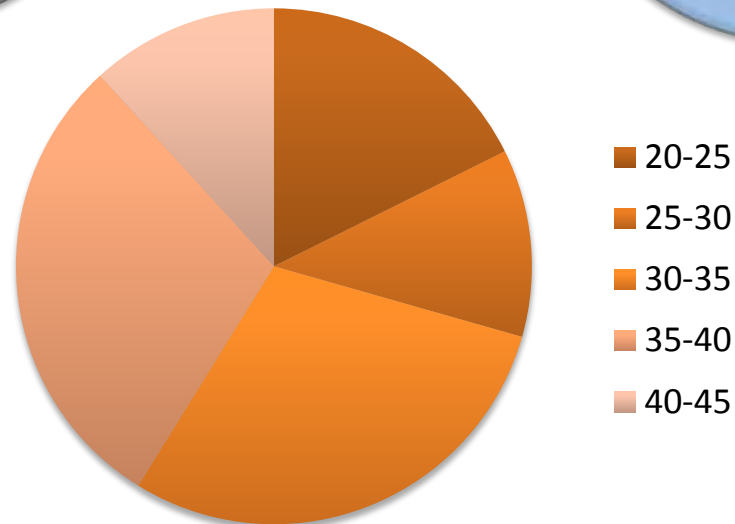
Gender



Sector



Age - experience





# Learning objectives

At the end of the fellowship programme fellows can

- Demonstrate improved understanding of key Ayeyarwady river basin management issues, challenges, and causes
- Explain the need for integrated approaches to address issues/challenges, based on understanding IWRM focussed on inclusive governance and management of water and ecosystem services.
- Reflect on the application of the concepts learned through a selected project, understand specific project context including institutional setting, and propose improvements to support more integrated approaches.
- Present and defend ideas, use skills for critical thinking, enhance cooperation/coordination between stakeholders with different backgrounds.

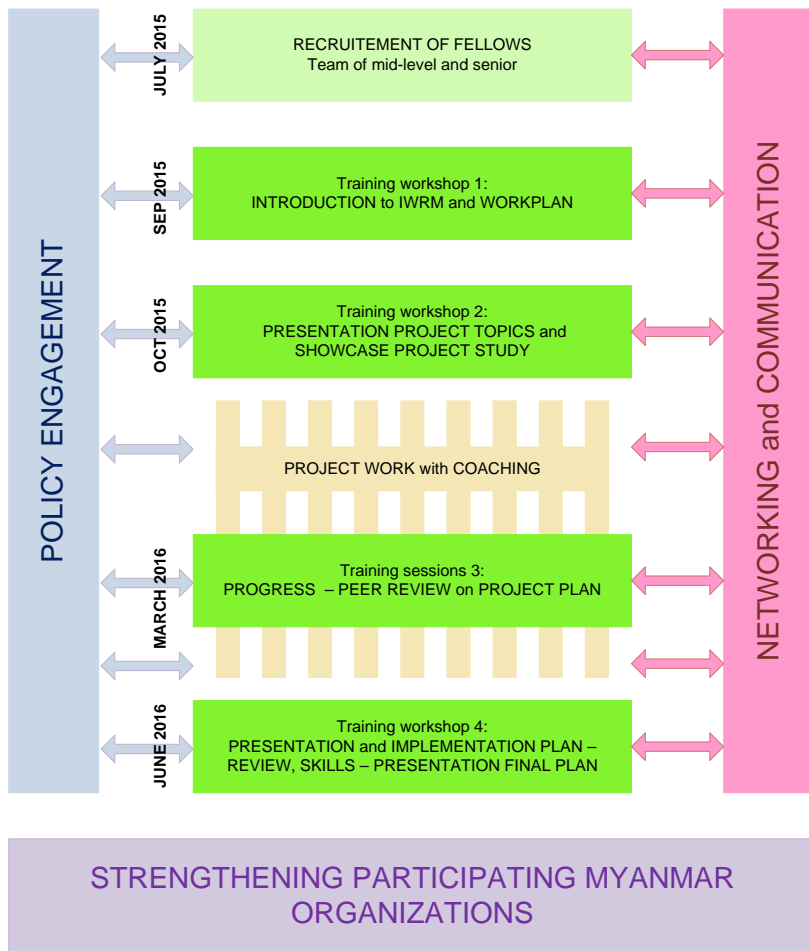


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# Tailor-made training programme



- 2 batches, 4 training events
- Training 1: Introduction and IWRM approach
- Training 2: Application of concepts, data collection, processing and analysis, selection projects
- Coached project work
- Training 3: Mid-term progress
- Training 4: Project presentation and debate

# Coached project work and themes

- Practice integration by participation in project's work
- Important focus on project work.
- Own organization's projects, WLE or other
- Themes (part of WLE GM themes):
  - Water Governance
  - Healthy Rivers
  - River Food Systems
  - Healthy Landscapes and Ecosystems
  - Safe rivers and deltas
  - Water and energy
  - Water and gender
- We are open to your ideas on projects and coaches



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# Fellowship and expectations

A fellowship consists of:

- Access to the four training events
- Training material
- Project work and coaching
- Travel to/from workshops
- Living costs, (eq. accommodation)
- Dip. Certificate after successful completion

Fellows are expected to:

- Commitment to a 1 day per week workload
- Support from senior in organization (data and time + change agent)

Additional benefits:

- International network
- Participation in trainings/conferences



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# Organizations and funding

- Project lead
- Myanmar coordinator
- Government partner
- Support
- Trainers
- International network
- Donor CGIAR, WLE programme (2015-2017)



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# Institutional capacity building and networking

- Trainer of trainer programme for participants from Myanmar Universities and government training centres



+ OTHERS

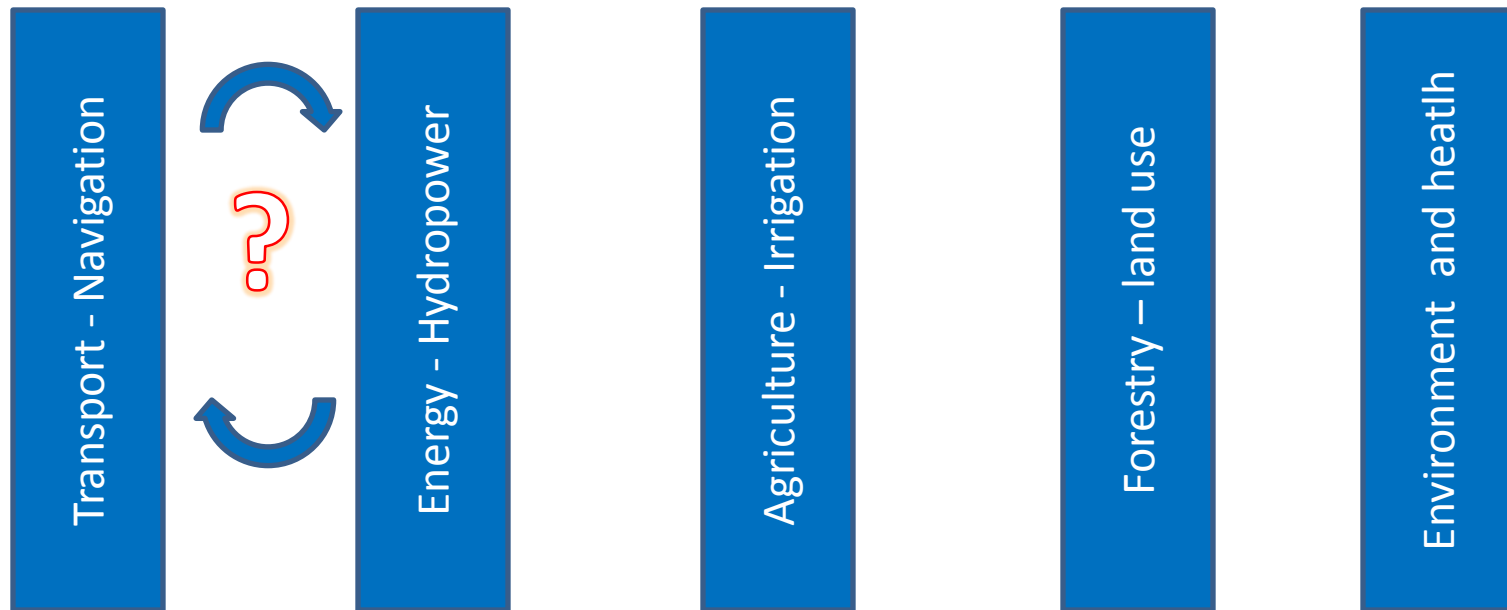
- Institutional capacity building ARBRO and embedding professional training in Myanmar water sector
  - Pilot on IWRM certification
  - Future embedding of professional training programmes: ARBRO or universities/training and education institutes?
- Link to NWRC, NARBO and international network

# Institutional capacity building and networking **ARBRO**

- Ayeyarwady River Basin Research Organization
- Network of NARBO is a people-centered, community-based organisation; Capacity Building organization established by Myanmar water professionals
- The potential future role of ARBRO is to
- act proactively in the implementation of IWRM in Myanmar as a pioneer RBO
- to create enabling environment and mobilize river basin organizations for other major river basins in Myanmar
- Chindwin, Dawei, Taninthryi, Thanlwin and other River Basins Organizations will come forward in the near future by interested parties. ARBRO will give technical support and certification

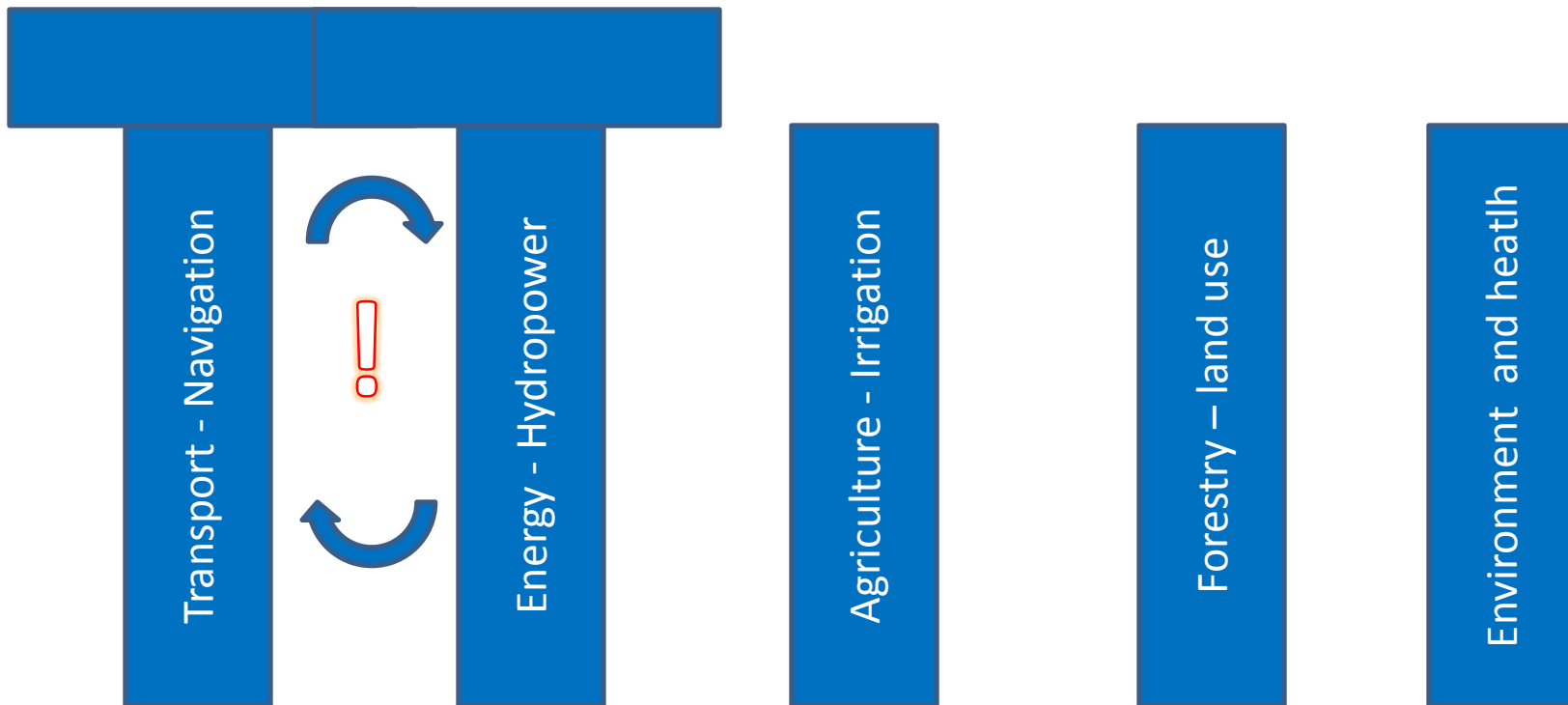
# Capacity building approach (1)

Moving towards a more integrated management requires different competences



 **Importance of cooperation, understand each others language**

# Capacity building approach (2)



**Importance of cooperation, understand each others language  
Capacity in both 'deep' (I) and 'overarching' (---) knowledge**

# Trainers/ Seniors and invited speakers T1

## Trainers/ Seniors

Prof. Dr. Khin Ni Ni Thein (NWRC/ARBRO)  
Prof. Dr Swe Swe Aye (Project Director/ARBRO)  
Dr. Nora Van Cauwenbergh (Project leader,  
UNESCO -IHE)  
Dr. Wim Douven (UNESCO –IHE)  
Mr Jake Brunner  
Mr. Tadashi Kawasaki (NARBO)  
Dr. John Conallin  
Folkert Hottinga,  
Mr. Greg Martin  
Ms. Martine Rutten  
Mr. John Conallin  
M.S. Kreijns  
Mr. Jarrad Scott

Dr Myint Myint Khaing (Remote Sensing,)  
Dr Kyaw Zeya Htun, (Remote Sensing,MTU)  
Dr Htike Htike, (MMU)  
Dr Kyi Kyi, (MMU)

## Invited Speakers

U Htun Lwin Oo , (DG, DWIR)  
Mr. Kim Gehab, (CGIAR)  
Ms. Rattamanee Laohapensang  
U Ohn Myint, (Chairman, NWRC)  
Prof. Dr. Khin Ni Ni Thein, (SG, NWRC)  
Ms. Ana Sanchez Nunez  
U Cho Cho, (NWRC)  
U Khin Maung Htaey, (.. NWRC)  
U Khin Lat, (NWRC)  
U Hla Baw, (NWRC)  
U Saw C Maung (Former NWRC)  
U Aye Myint (NWRC)

Daw Soemenda Kyaw  
Mr. Noboyuki Ichara (NARBO)  
U Aung Myo Khaing, (DWIR)



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# PROJECT TITLES OF WLE MK30 FELLOWS

- Towards Sustainable Water Supply System in Urbanizing Myanmar
- Case Study on Water Environment Monitoring Of River, Foods and Ecosystem (Twantay Canal)
- Sub-optimal operation of Hydropower plant
- Management to mitigate negative impacts due to Hydropower
- Promoting Livelihood through tackling river bank erosion and sedimentation
- Preliminary Assessment of Water Quality Profile in Upstream Ayeyarwady River- Myit Sone area.
- Case Study on Water Environment Monitoring Of River, Foods and Ecosystem (Twantay Canal)
- Sustainable Water Distribution System in Nyaung U rural area
- Sustainable for Navigation Improvement in Yangon River

# PROJECT TITLES –Contd.

- Navigation with nature-Adaptive Prosperous Confluence of Chindwin and Ayeyarwady
- Promoting Livelihood through tackling river bank erosion & sedimentation
- Sustainable Navigation Improvement in Yangon River
- Effective Control of Water Pollution
- Case study on Water Environment monitoring of river, Food and ecosystem in Twantay canal
- Industrial pollution in Myanmar