

# Delft University of Technology in Myanmar

## **Myanmar World Water Day**

Nay Pyi Taw, 13 March 2017

Marjan Kreijns

# What do we do in Myanmar?



Academic Research



Trainings for  
Professionals



Capacity Building  
YTU, MMU & MTU



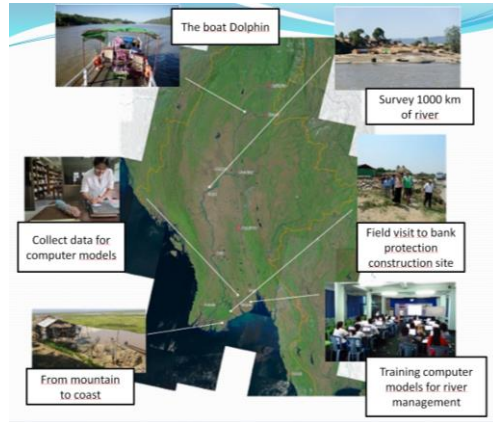
Water Innovations

# Academic Research



# PhD, MSc and BSc Research

- Since 2013, more than 30 studies were conducted by Dutch and Myanmar PhD Candidates and (exchange) students





# Trainings for Professionals



# Trainings for Professionals

2013

- Refresher Course **IWRM**

2014

- New Computer Technologies to support **River Management**
- Use of **Open Data, Open Information and Open Software** in Water Management

2016

- Integrated **Flood Management**
- Master Class **Hydraulic Computations**



Netherlands Enterprise Agency

# Capacity Building





# Capacity Building Programme

LAUNCHING CEREMONY  
of  
Capacity Development

on  
Integrated Water Resources Management in Myanmar  
NICHE.MMR 250

Y . T . U

20 . 8 . 2015



UNESCO-IHE  
Institute for Water Education



Deltares  
Enabling Delta Life



internationalising education

# Capacity Building Programme

## Integrated Water Resources Management NICHE-MMR-250, from 2015 to 2019



ACADEMIC  
CAPACITY



DEGREE  
EDUCATION



PROFESSIONAL  
EDUCATION



NETWORK



INSTITUTIONAL  
CAPACITY

# Capacity Building Programme





# A question to the audience: Labour Market Assessment

Difference between what is trained in universities and what is needed

- Are there any gaps?
- How can these gaps be addressed? (new courses, new topics, new teaching techniques?)
- How are degrees across sectors evaluated?  
What are opportunities for an IWRM/cross sectoral profile?
- ...

# Water Innovations



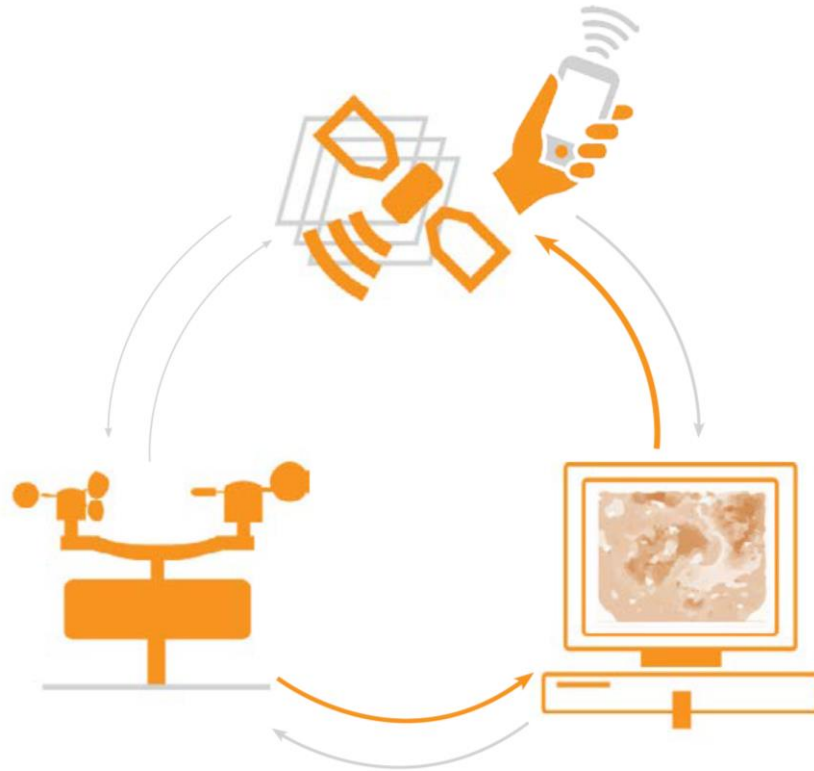
# Leapfrogging Delta Management in Myanmar

*Showcase smart information solutions in  
the Ayeyarwady Delta*

2017-2019

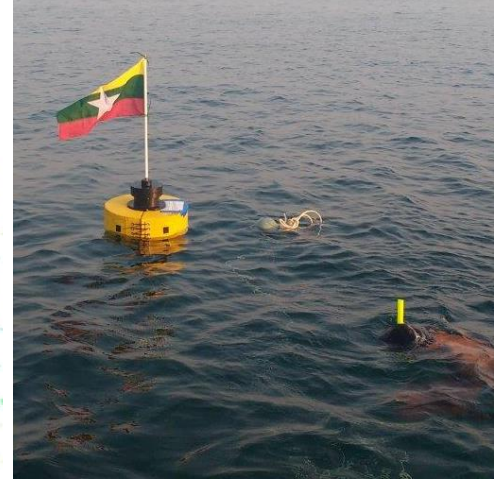
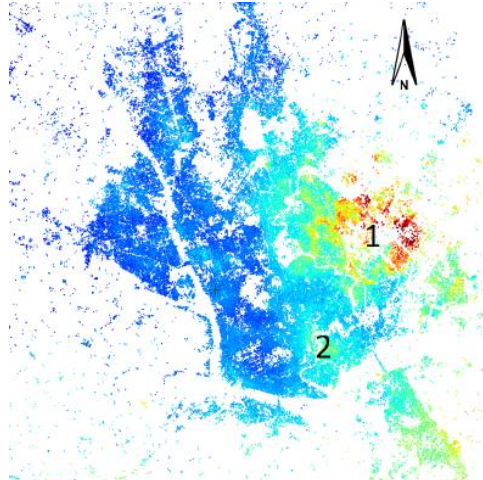


# A Smart Approach



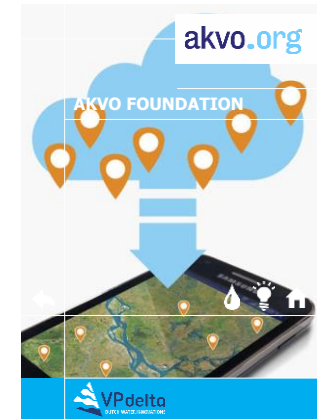
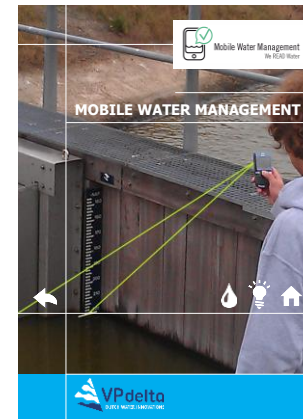
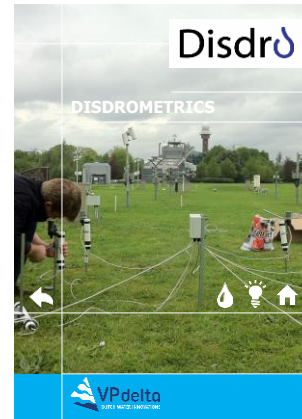
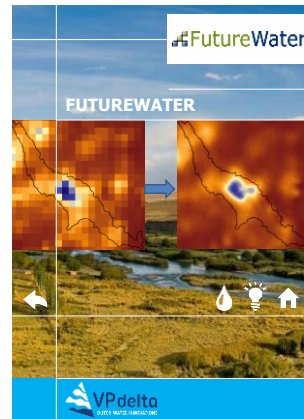
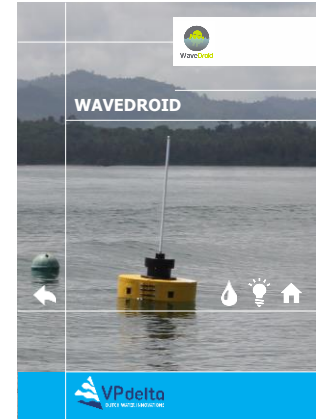
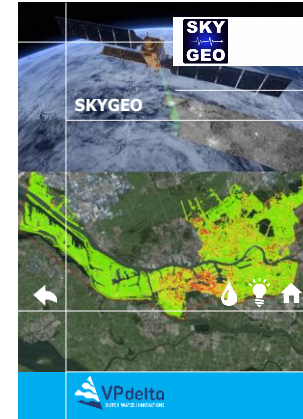
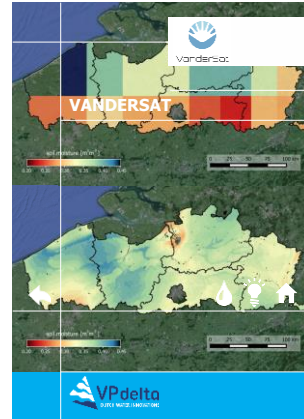
# Six Themes

1. Rainfall
2. Catchment erosion
3. River erosion
4. Water quality
5. Subsidence
6. Coastal processes





# Innovative SMEs



# Recent Field Work

- Dispersion of the Ayeyarwady and Chindwin Confluence



# Delft University of Technology in Myanmar

Marjan Kreijns  
Alwin Commandeur

Project Management (NL)  
Project Coordination (MM)

Visit our dedicated site on: [myanmar.tudelft.nl](http://myanmar.tudelft.nl)

