





Stepwise approach

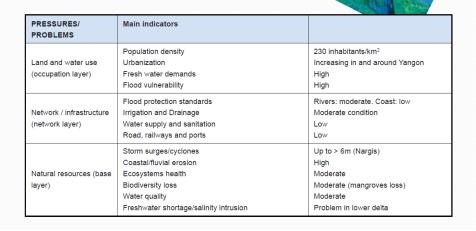
- Various identification missions (a.o. Ministry of Infrastructure and Environment; Blue Moon Fund);
- 2. IWRM Data Inventory study to Support the Development of an Integrated Water Resources Management Strategy for Myanmar (Ministry of Infrastructure and Environment);
- 3. Ribasim development for major river basins in Myanmar as input into the strategic WRM study (Ministry of Infrastructure and Environment);
- Comparative Assessment of the Vulnerability and Resilience (Delta Alliance / MmWP – GWP and FAO);
- 5. Sobek training (Nuffic);
- 6. Many valuable student contributions (4 students from the Technical University of Delft and 2 from Wageningen University).

Dutch partners: TU Delft (1,2,5 and 6); RHDHV (1,6); WUR (6) and Alterra (4)

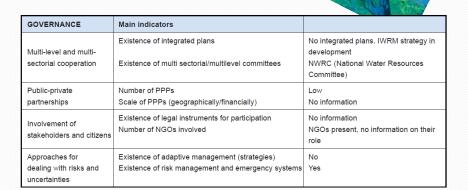


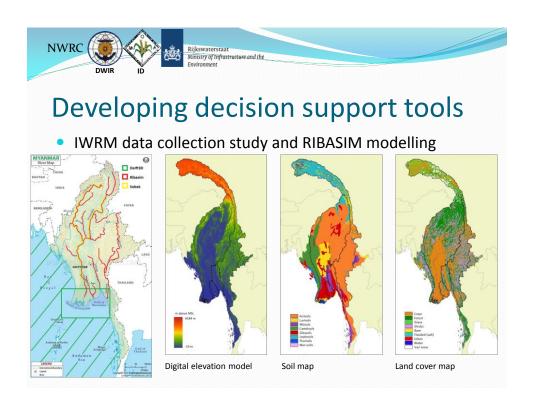
The Ayeyarwady Delta DRIVERS Main indicators Values/comments Demographic trends Growth rate of the delta population Estimated at 1.52% \$1,700 (2013) GDP/capita Economic developments GDP av. Growth 6.8 %(2013) Low Technological Research and development developments Knowledge-intensive industry Low + 1.4°C. Increase mean temperature change in 2050 Increase mean precipitation change in 2050 + 250 mm Increase in river peak discharge Unknown Climate change Sea level rise in 2050 Approx. + 0.30m Extreme events More cyclones, strong winds, flooding, drought. Tectonic subsidence No data available Subsidence Human induced subsidence

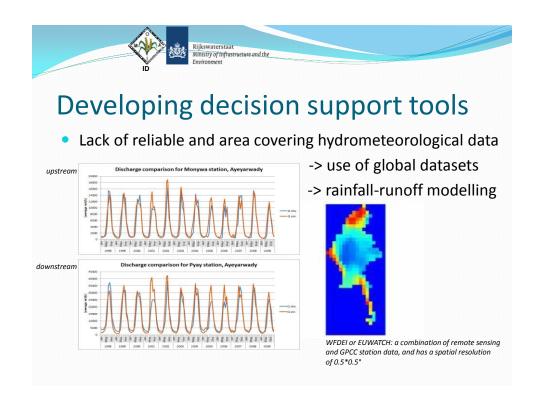


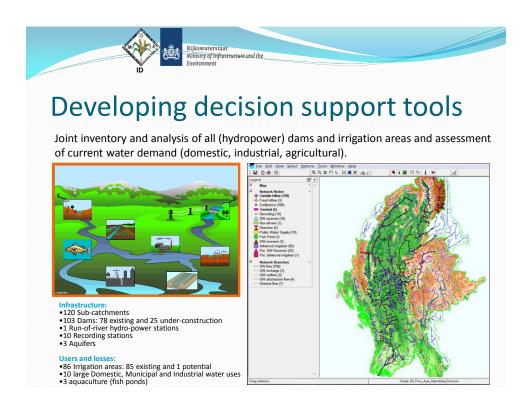


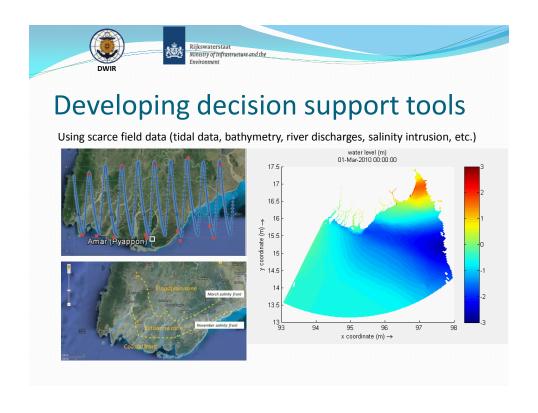
The Ayeyarwady Delta

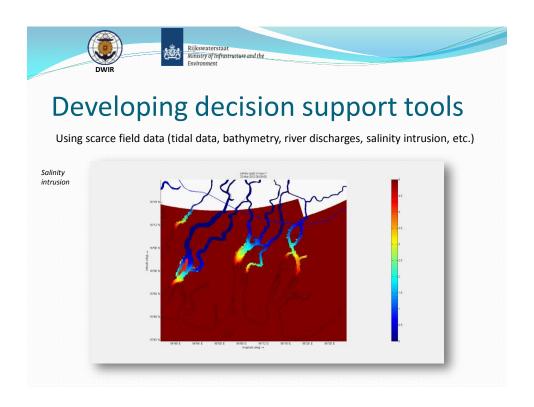




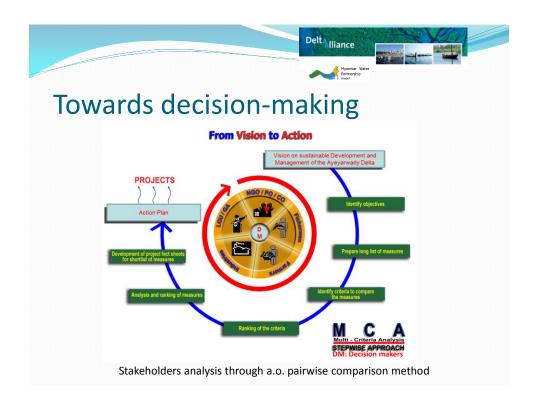


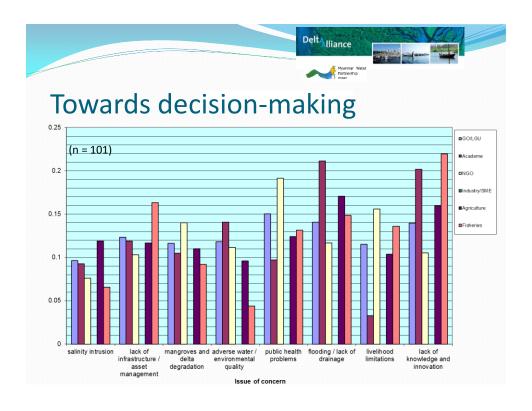














Towards decision-making

- Measures proposed need to address the issues, the costs, the side-effects, the implementability and need to be integrated and optimized (strategy development).
- Adaptive planning (dealing with future uncertainties such as climate change, SLR, demographics, socio-economics) is very important for the Ayeyarwady Delta.









Conclusions and recommendations

- Leapfrogging to latest technology is the way to go.
- Tool development is quite promising and very helpful in better understanding the water system and its uses, and in addressing the effect of measures, strategies and scenarios.
- Good monitoring programmes need to be set up asap and data should be shared.
- The participatory approach (and stakeholders involvements) is much appreciated and very supportive to the identification and future ownership of projects.
- Capacity building is crucial and needs urgent attention.

