



UNDP/GEF Kura Aras Project on  
Reducing Transboundary Degradation  
in the Kura Aras River Basin



# Demonstration Project Inception Workshop 24 November 2011

Welcome  
and

Thank You for Joining Us



# Outline



- Project update brief
  - TDA
  - IWRM/SAP
  - Stakeholder Activities
  - Demonstration Project
  - Project Management
- Demonstration Project Rationale and Objectives within the wider project
  - “Reducing Transboundary Degradation of the Kura Aras River Basin”
  - Why Environmental Flows, Ecological Assessment and Bio Monitoring?
  - Additional Benefits



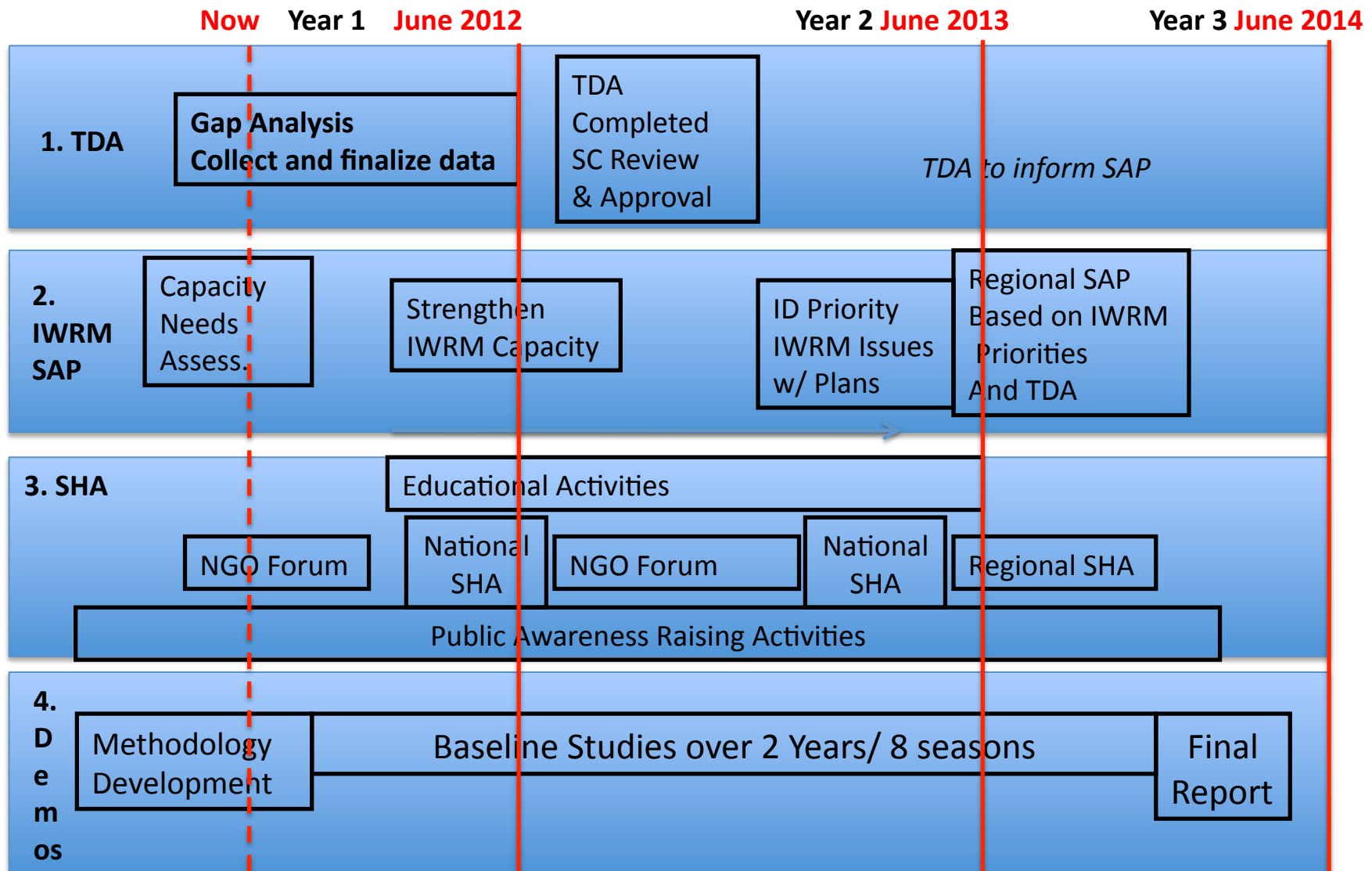
# Project update brief



- **Component 1: TDA**
  - Gap Analysis for updating TDA
- **Component 2: IWRM/SAP**
  - Capacity Needs Assessment
  - Training Module Development
- **Component 3: Stakeholder Activities**
  - Web Page, Social Media, NGO Forum Plans
- **Component 4: Demonstration Project**
  - (Today!)



# Full time line – all pulled together





# Demonstration Project Rationale



- *“Reducing Transboundary Degradation of the Kura Aras River Basin”*
  - How do we know if degradation is being reduced?
  - Tools for Assessment
- Why Environmental Flows, Ecological Assessment and Bio Monitoring?
  - Determine Ecological Status
  - Create Methodology and Index of River System Health/ Ecological Status based on flow rates
  - Create Baselines and Predict Impacts



# Demonstration Project Rationale



$X$  = River Flow Rates (Anthropogenic and Climate Change)

$Y$  = *Ecological Status Index from:*

$Y_1$  = Ecological Status from Biomonitoring (aquatic river health)

$Y_2$  = Ecological Status from Rapid Ecological Assessment (river basin health)

$$\Delta X \longrightarrow \Delta Y_1 + \Delta Y_2$$

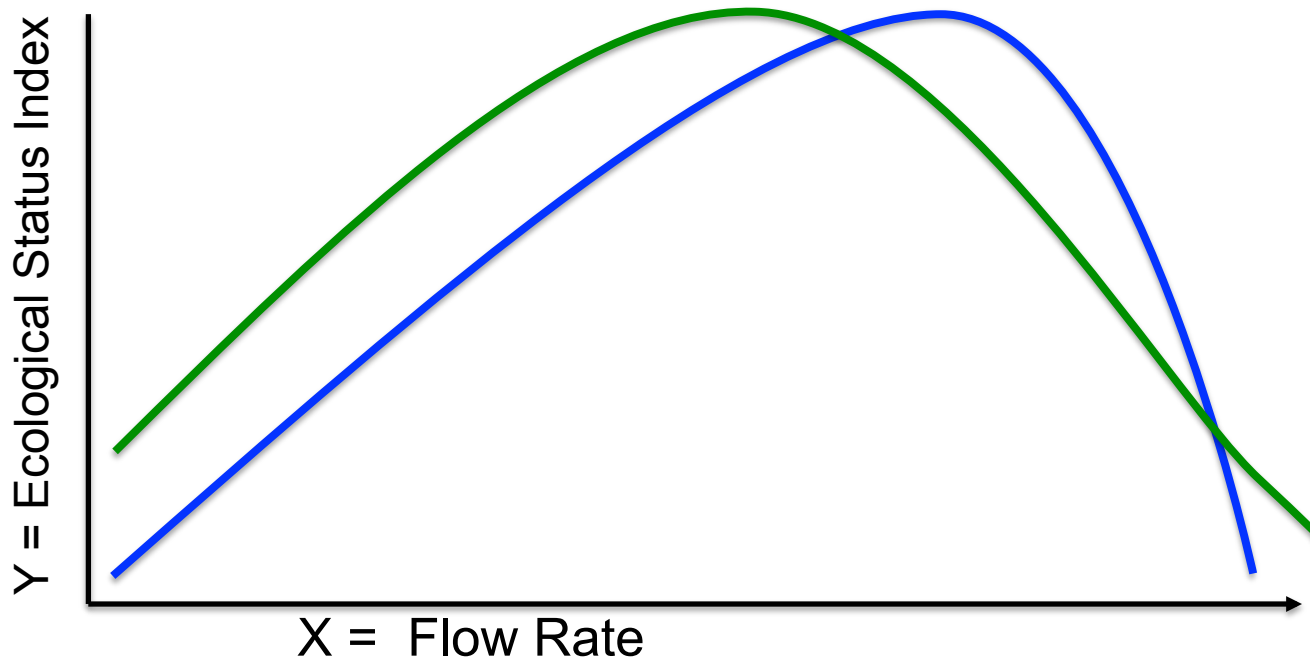


# Demonstration Project Rationale



$$\Delta X \rightarrow \Delta Y_1 + \Delta Y_2$$

Status  $Y_1$   
Biomonitoring  
Status  $Y_2$  Rapid  
Eco Assessment



*UNDP/GEF Kura Aras Project*



# Additional Benefits



- Establish Baseline Data Collection Methodology
- Establishing Baseline Data in demonstration site area
- Compliance with EU WFD and EU Directives
- Cost effective integrated monitoring
- Information critical for gauging changes in river health due to changes in flow regimes from:
  - abstraction of water
  - obstruction such as hydropower
  - climate change
  - concentration of pollutants
- Use information for planning based on impacts on ecological system, society and economy





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Thank you for your attention!

*Next Presentation on  
Demonstration Project Activities*