



**WATER RESOURCES CLASSIFICATION AND RQOs
DETERMINATION: BACKGROUND**

TTG MEETING

Date: 17 October 2013

Venue: Bundu Lodge, Nelspruit.



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PURPOSE OF TECHNICAL TASK GROUP MEETING

- To discuss the socio-economic component of the classification process;
- To illustrate the water impact modelling processes;
- To clarify stakeholder concerns regarding the economic component;
- To clarify and confirm data sources.



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ROLE OF TECHNICAL TASK GROUP

- Platform to support PSC to implement engagement on this project
- Established due to the technical complexities of the study process
- Clarify technical issues upfront in the project
- Targeted engagement focussing on one or more technical aspects of the Water Resource Classification System



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STUDY OUTCOMES

- The aim of this project is to determine:
 - Water Resource Management Classes (MC)
Class I: Minimally used
Class II: Moderately used
Class III: Heavily used
 - Resource Quality Objectives (RQOs)
- The study is been carried out in distinct steps following the WRCS Guidelines and Procedures for the Development of RQOs



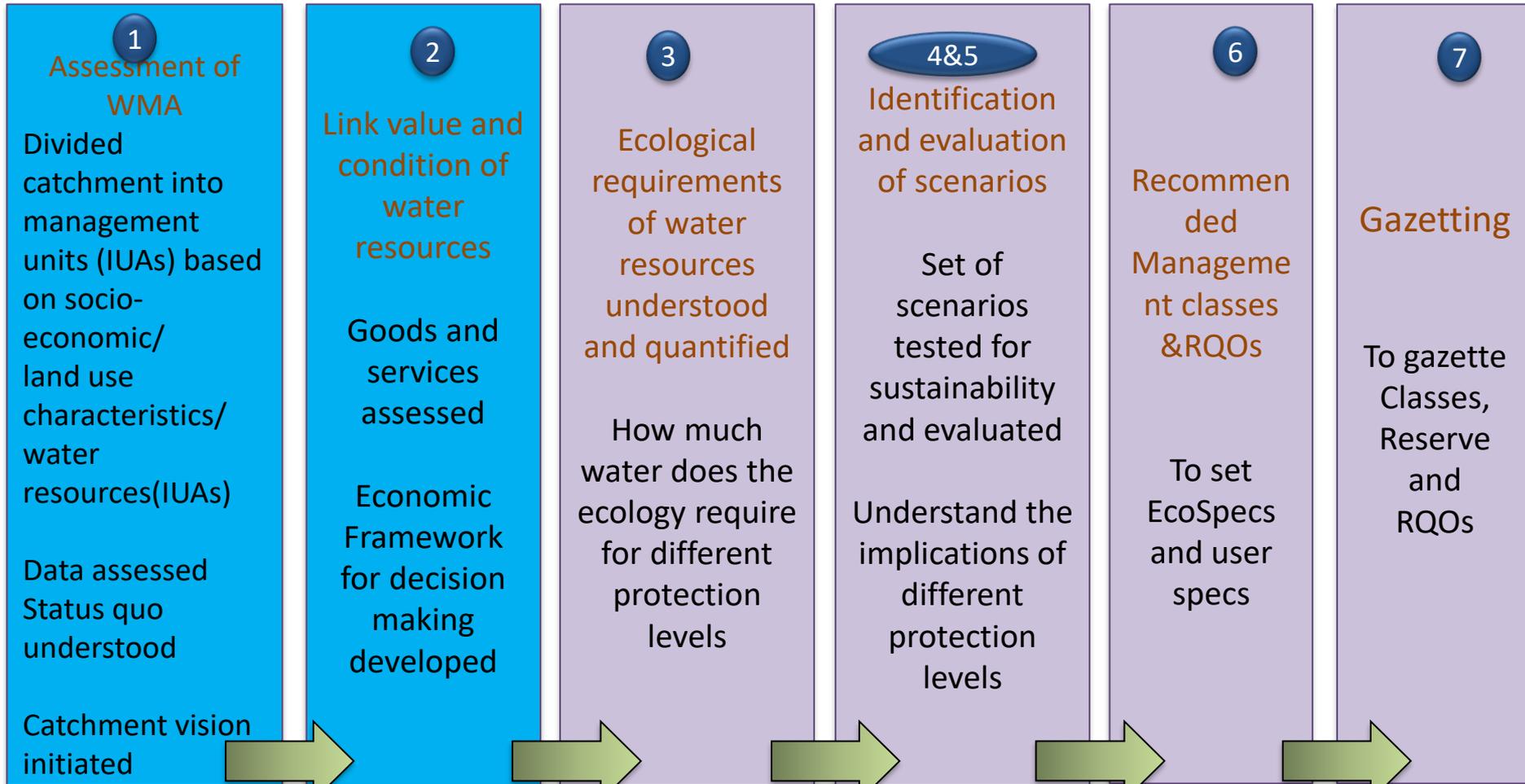
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STUDY PROCESS

In accordance with the classification and RQOs guidelines: 7 step process applies



Stakeholder engagement

April 2013 to March 2015



STEP 2: LINKING THE VALUE & CONDITIONS OF WATER RESOURCES

- Selection of the ecosystem values to be considered;
- Description of the relationships that determine how economic value & social wellbeing are influenced by the ecosystem services and the sectoral use of water
 - Ecosystem services relationships between condition, quality, and value
 - Economic relationships between yield, quality, and value.



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Key outputs of this stage of the classification process:

- A summary of available economic data essentially describing the present-day socio-economic status of the WMA;
- A socio-economic valuation framework that links changes in water resource variables, such as yield, water quality and aquatic ecosystem health, to economic benefits and social well-being;
- A decision-analysis framework developed to make provision for assessing the current socio-economic status and the potential economic and social implications related to future water resource management scenarios;
- Measurement of economic value and the measures of economic implications and social well-being;
- Understanding the future water use scenarios and the impacts that they will have on business, communities and the environment.



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PROGRESS TO DATE

Technical:

- Status quo assessed
- Socio-economic zones delineated
- Visioning exercise carried out
- **Link value and condition of water resources**

Stakeholder engagement:

- Public Meeting 1: 12 June 2013
- PSC Meeting 1: 20 August 2013
- TTG Meeting 1: 16 October 2013
- Sector meeting: tbc
- Forums: August 2013, October 2013



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THANK YOU



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