



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

National Eutrophication Management Strategy

2nd Project Steering Committee (PSC) Meeting

Directorate: Sources Directed Studies

Presented by:

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OBJECTIVES OF THIS MEETING

- To report on the progress of the project; and
- To present and discuss the draft National Eutrophication Management Strategy report.

BACKGROUND

□ Chapter 3 of the National Water Act, 1998 (Act 36 of 1998) deals with the protection of water resources.

➤ **Resource Directed Measures (RDM)**

- Water Resource Classification
- Reserve Determination
- Resource Quality Objectives (RQOs)

➤ **Sources Directed Measures (SDM)**

- Pollution Prevention

INTRODUCTION

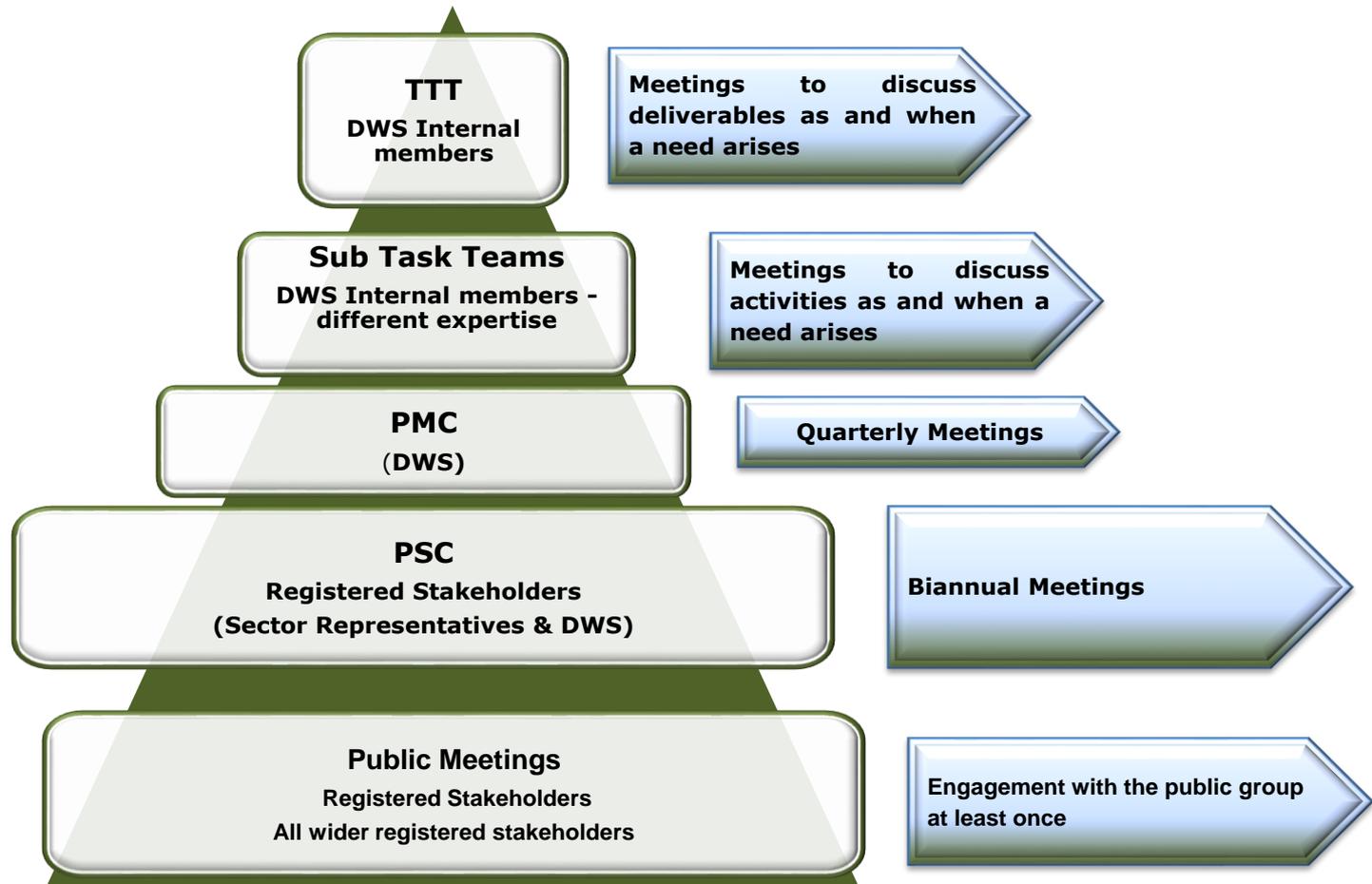
Definition:

- **Eutrophication** is defined as a process of nutrient enrichment and the associated excessive plant growth such as algae and macrophytes in water bodies, which can be seen as either a natural aging process in lakes or **accelerated by human impacts (Point and Non-Point sources of pollution)**.
- Factors influencing eutrophication are **high nutrient concentrations, prolonged periods of water stagnation, conducive temperature, oxygen concentration and proper light regime.**

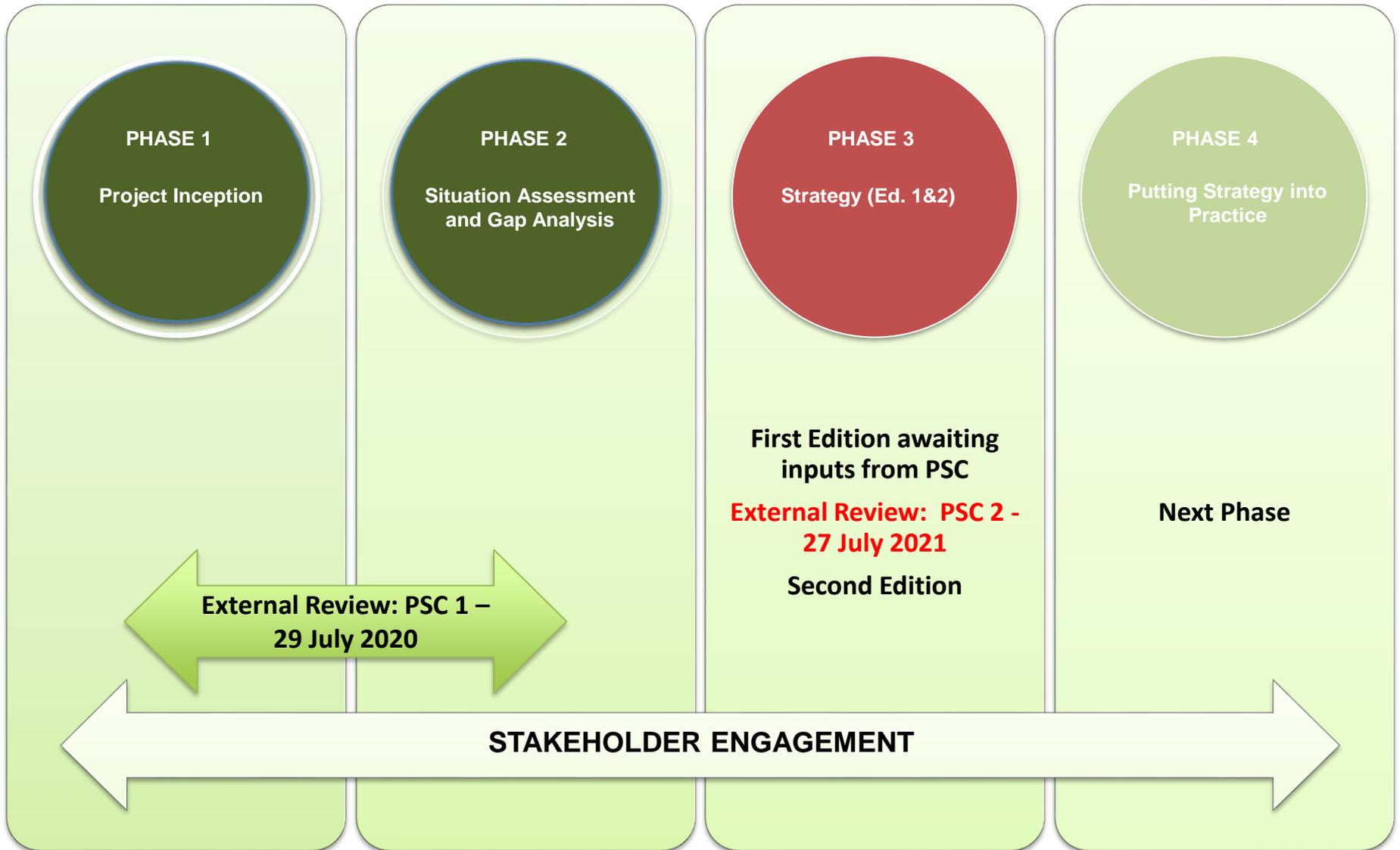
SCOPE OF WORK & PROJECT PROGRESS



STAKEHOLDER ENGAGEMENT AND PARTICIPATION



STAKEHOLDER ENGAGEMENT TO DATE



PSC MEMBERSHIP REPRESENTATION TO DATE

- Department of Water & Sanitation (DWS: Regional and Head Office)
- Other National Departments
 - Department of Agriculture, Land Reform and Rural Development
 - Department of Environment, Forestry and Fisheries (DEFF / DFFE)
- Professional Services Providers (PSPs) – (DHEC and IEMS)
- Water Research Commission (WRC)
- Minerals Council of South Africa
- Mining companies (Sibanye Stillwater mining co. and Exxaro mining co.)
- Eskom Holdings SOC Limited
- Federation for a Sustainable Environment (FSE)
- Academic Institutions: North West University (NWU), University of Johannesburg, University of Cape Town (UCT) and University of Free State (UFS)

PSC MEMBERSHIP REPRESENTATION TO DATE...

- ❑ Water Boards: Johannesburg Water
- ❑ Nature and Environmental: South African National Parks (SANPARKS)
- ❑ Association for Water and Rural Development (AWARD)
- ❑ Inkomati-Usuthu Catchment Management Agency (CMA)
- ❑ Breede-Gouritz CMA
- ❑ Council for Scientific and Industrial Research (CSIR)
- ❑ South African National Biodiversity Institute (SANBI)
- ❑ Municipal Infrastructure Support Agent (MISA)

CAPACITY BUILDING

- **Due to limited budget, capacity building is limited to the following:**
 - **Mentorship programme for technical employees (Production Scientists) - on the process of the development of the strategy.**
 - **Capacity building workshops (TTT platforms).**
 - **Stakeholder empowerment sessions – Stakeholder workshop / Catchment Management Fora.**

WAY FORWARD

- ❑ The **implementation** of the Strategy at the **Catchment level** - aligned with the **implementation** of the following:
 - Classified Water Resources.
 - Determined & Gazetted Resource Quality Objectives (RQOs).
 - Determined & Gazetted Reserves.
 - The approved Water & Sanitation Master Plan.
 - National Water Resource Strategy.
 - Sustainable Development Goals (SDG) 6.

Project Management Team

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THANK YOU!!