



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA



higher education
& training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



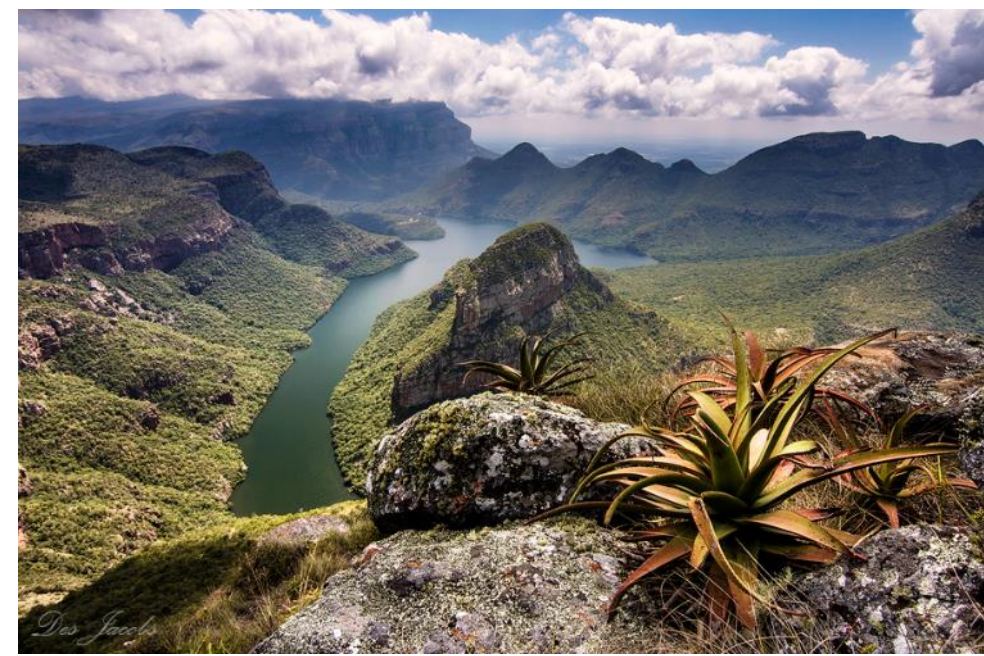
RHODES UNIVERSITY
Where leaders learn

Rhodes University Evaluation Research Programme

2018 - 2020

Contents

1. M&E in NRMPS (Natural Resource Management Programmes)
2. Monitoring and Evaluation (M&E) in a SETA Environment
3. Evaluation of ESD (Education for Sustainable Development)



Monitoring, Evaluation and Learning in Complex Socio-Ecological Systems

Drawing on Rhodes ELRC and Environmental Science ,
AWARD, INR, Dept of Environmental Affairs

Treasury (Auditor-General, Dept of Planning, Monitoring & Evaluation
Donors such as USAID)

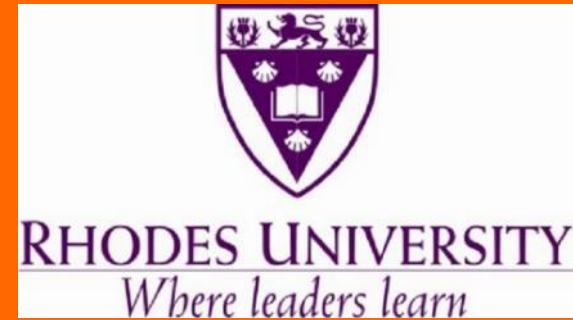


National Department of
Environmental Affairs, SANBI

Regional DEA, Working for Wetlands, Working
for Water, Working for Ecosystems, Working on
Fire



Researchers, Facilitators, Trainers &
Evaluators – working in and with complex
(adaptive) S-E systems



Citizens in the Catchment



Outputs (Person Days & Training Days)

- Currently monitored by DEA

Quality and Sustainability

- Nomfundiso Giqwa PhD, Kath Fourie M.Ed.

Effectiveness & Impact

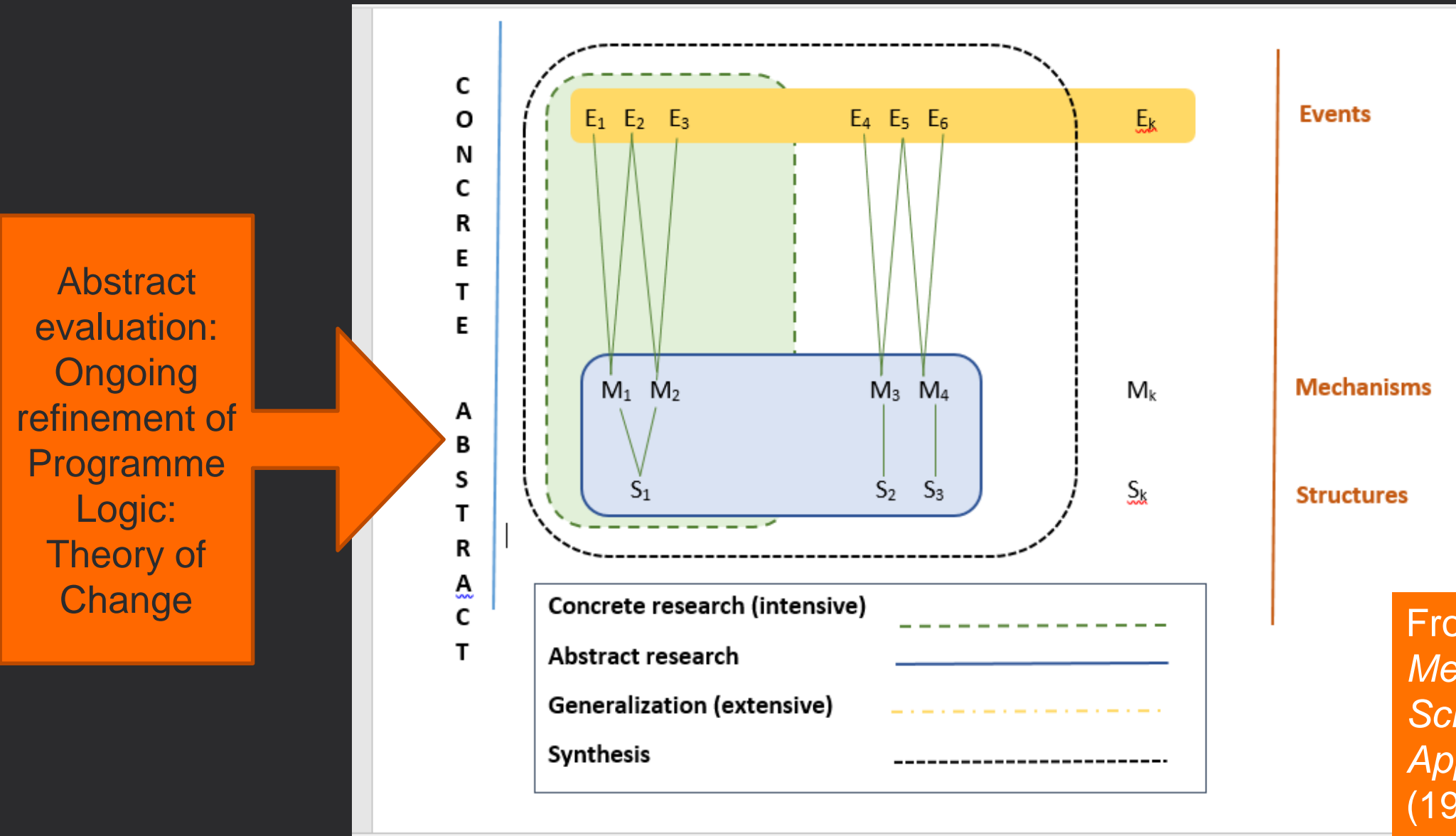
- Indicators of social impact – Hanli Human

Process

- Learning and Reporting – Vhutshilo Mudau
- Citizen monitors – Nosiseko Mtati



Under-labouring M&E with a critical realist philosophy

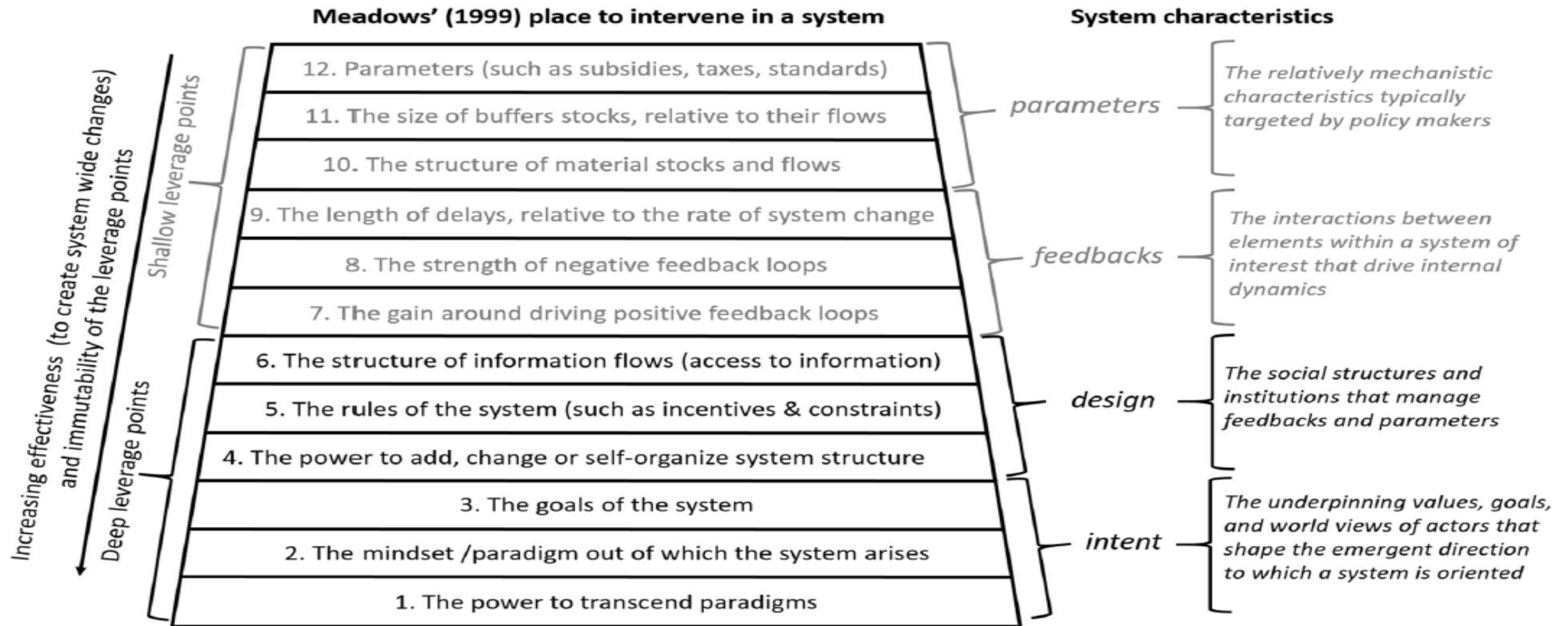


Your experiences with M&E for Learning in complex SES

1. What are you working on? What is your role or interest in MERL?
2. What has motivated the need for MEL in your context?
3. What have you tried, methodologically and conceptually?
4. What worked / didn't work?
5. Who learned what and how?

“Places to Intervene in a System” – Donella Meadows, 1997; Abson et al., *Ambio*, 2016)

Box 2 From twelve leverage points to four system characteristics



The four system characteristics represent a nested hierarchy of, tightly interacting, realms of leverage within which interventions in a given system of interest may be made. Deeper system characteristics constrain the types of interventions possible at shallower realms of leverage

Under-labouring evaluation with a critical realist philosophy

- Critical realism as a service to the sciences
- Allows for congruence in social and natural sciences
- A better explanation for how we do science
- Layered ontology (reality occurs in layers) allows for / requires multiple ways of knowing / researching / evaluating ...
- Deepening beyond what can be measured ...
- ... But tested for reality congruence (avoiding relativism of 'any perception counts')



higher education
& training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



RHODES UNIVERSITY
Where leaders learn



M&E in a SETA Environment

Project led by Prof Eureka Rosenberg

with the Dept of Higher Education and Training, BANKSETA and ServiceSETA



planning, monitoring
and evaluation

Department:
Planning, Monitoring and Evaluation
REPUBLIC OF SOUTH AFRICA

National Treasury and Dept of
Planning, Monitoring and Evaluation



higher education
& training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

Dept of Higher Education and
Training

National Skills Authority

Employers across Sectors: Banking, Services,
Engineering, Mining, Chemicals, Water and Energy,
Conservation, Health and Welfare, ...

Sector Education
and Training
Authorities (SETAs)

Society
including
Learners

Education and Training Providers:
Universities and Colleges

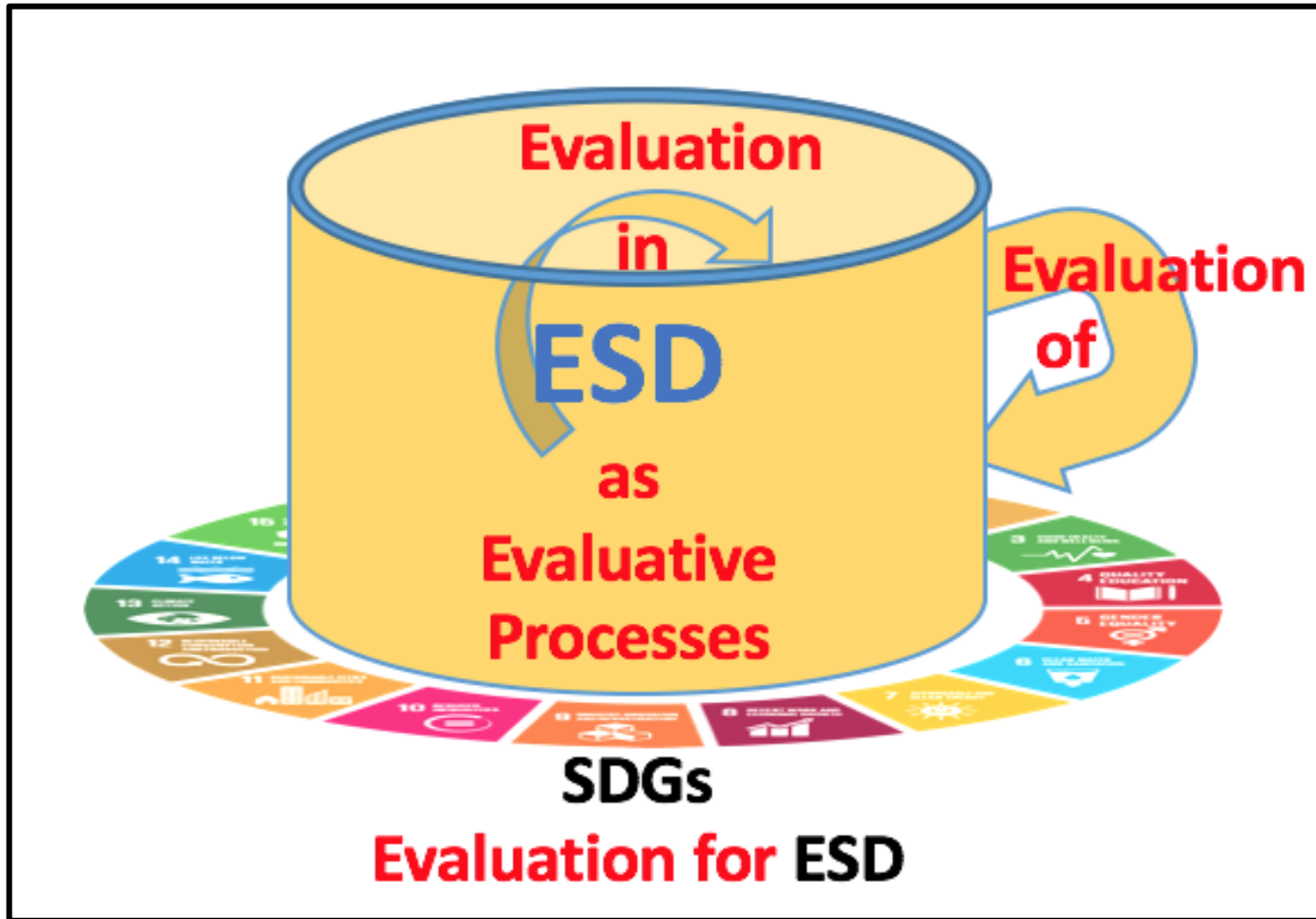
Parties interested in SETA Success





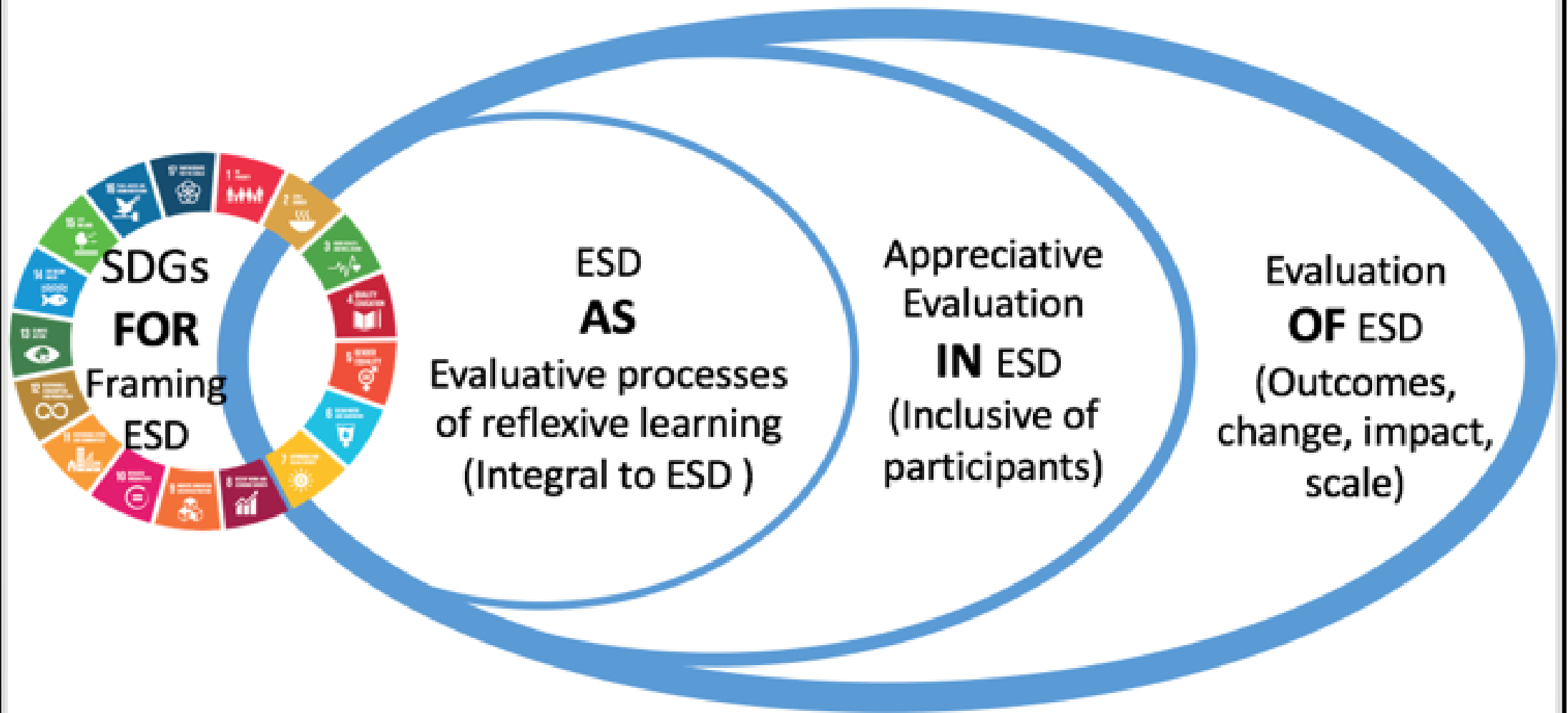
Evaluation of Education for Sustainable Development

Project led by Rob O'Donoghue

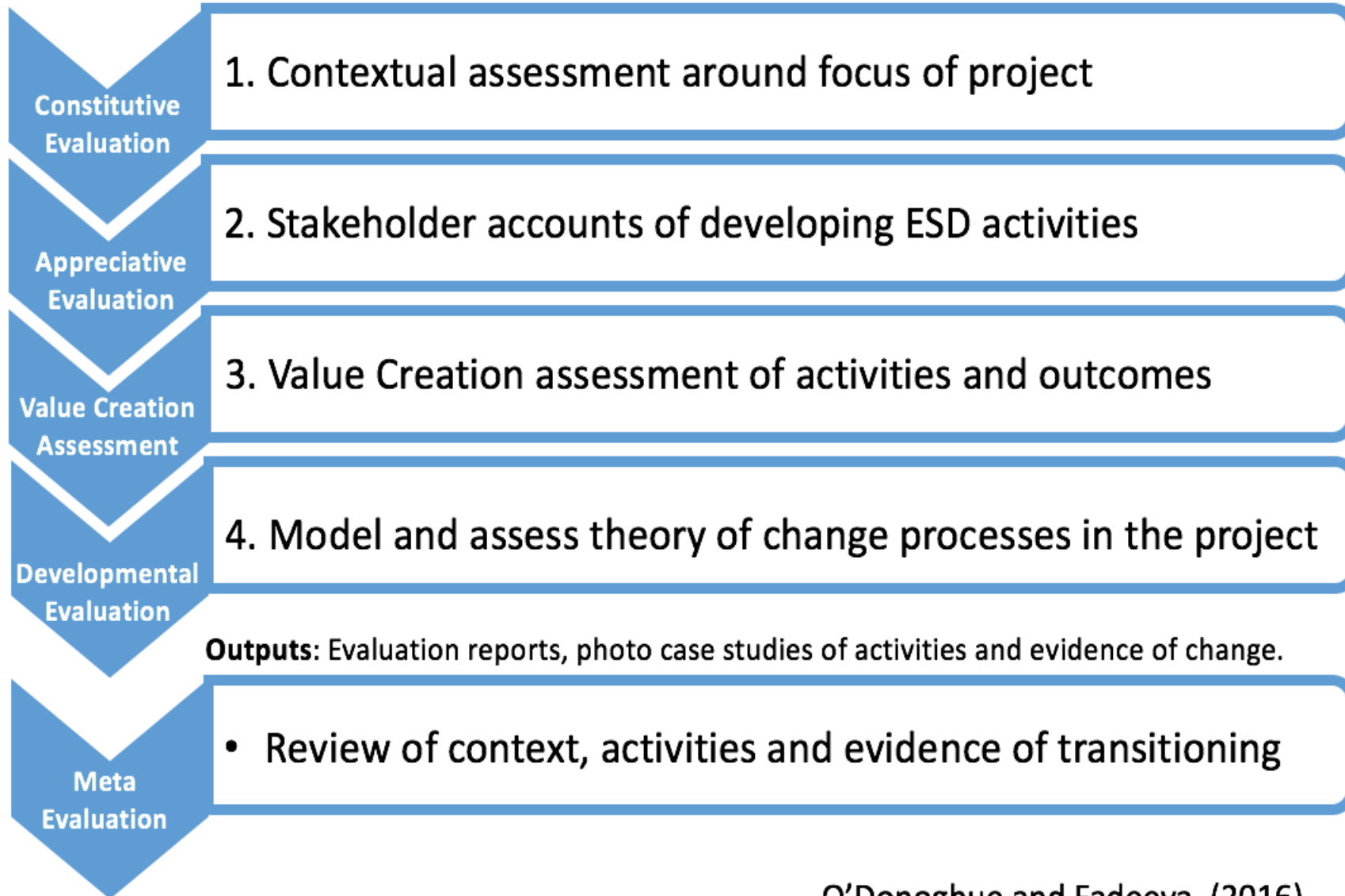


Source: Rob O'Donoghue, 2017

The nested mix of evaluative work in an ESD change project?



An overview of an ESD evaluation process



SDGs as an evaluation agenda for ESD

Description of our context:

Mpopomeni stream being tested by Enviro Champs to assess water quality and risk to Midmar Dam water supply for Durban & Pietermaritzburg.

Our concerns driving ethical purpose:

Overflow from sewage manhole covers increasing disease risk and entering the stream to pollute Midmar Dam

Summary of our current knowledge:

The Enviro Champs have been monitoring manhole outflow, reporting blockages and educating community members.

Learning-led change proposed:

Improvements in water quality will be reported to municipal authorities who will fund the expansion of the blockage monitoring and reporting services.

