

THE ROLE OF PRACTITIONERS IN DECISION SUPPORT SYSTEM (DSS) FORMULATION

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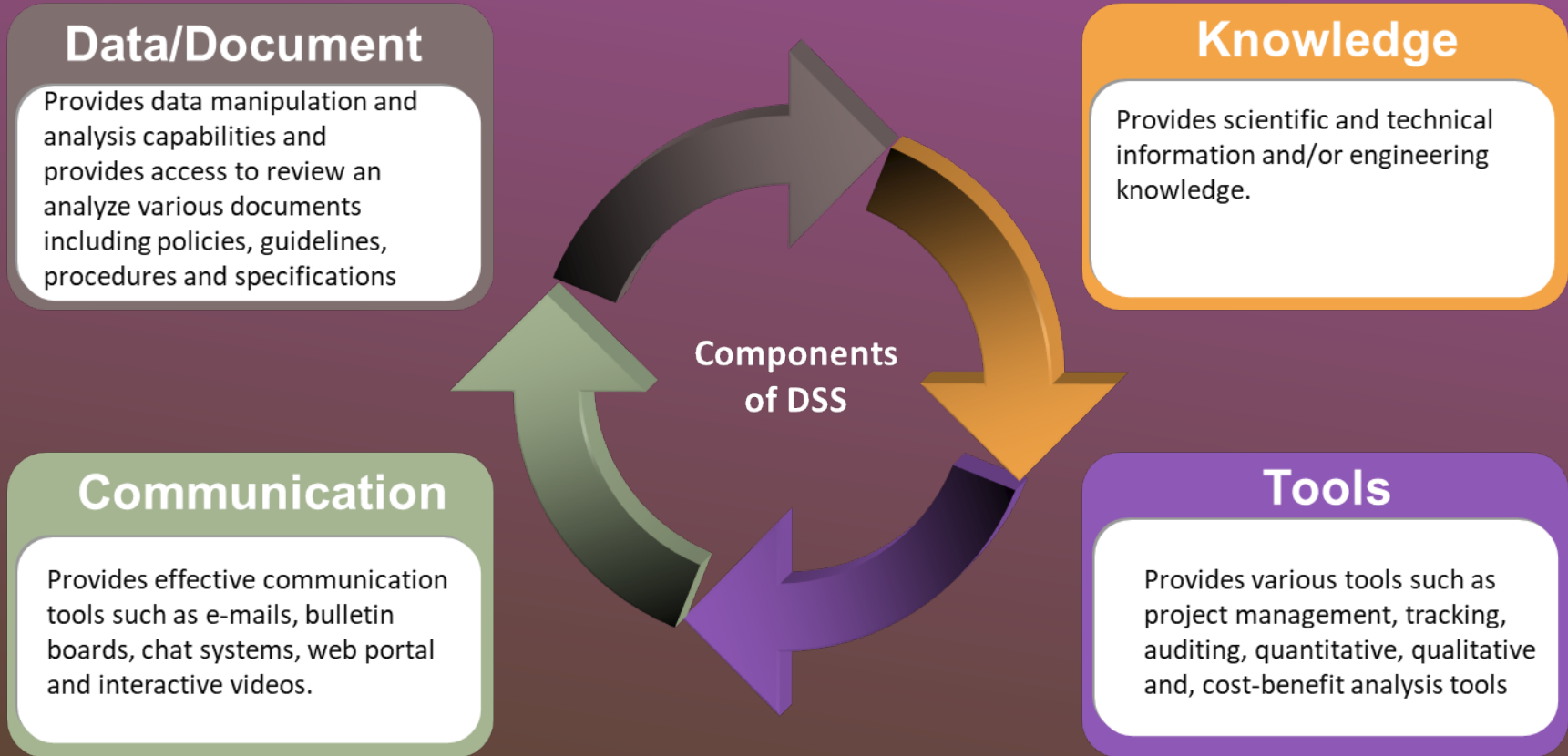
PROBLEM DEFINITION

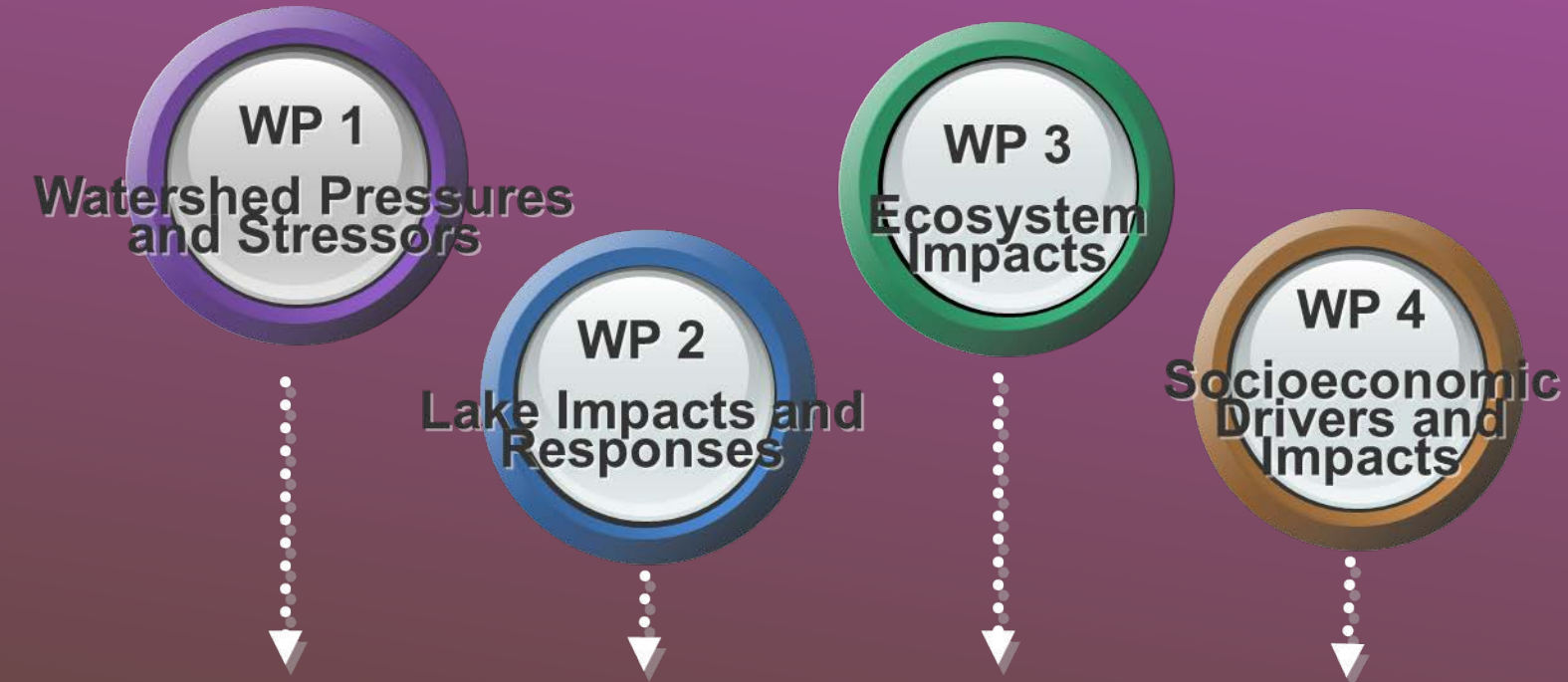
- ▶ Complex decision-making for management of algal bloom issue in Lake Erie.
 - ▶ Collaborative water resources governance requires that planning and management activities consider a broad set of sectors.
 - ▶ Involvement of numerous stakeholders and decision makers with conflicting priorities and different value preferences.
- ▶ Humans are poorly equipped to solve “wicked problems” .
- ▶ Need for a systematic methodology and holistic approach for options analysis and timely decisions.
 - ▶ Collaboration and early practitioners input

OBJECTIVE

- ▶ Development of a decision support system (DSS) at the scale of the Great Lakes basins to explicitly improve the quality of decision-making to achieve better manage eutrophication and nuisance algal growth.

DECISION SUPPORT SYSTEM





WP 5.3

Integrate knowledge from WPs 1 to 4 in the creation of a Decision Support System (DSS).

BENEFITS OF DSS

1

Making decision-making transparent, documented, reproducible, robust

2

Identifying, assessing and addressing potential risks, uncertainties


3

Establishing clear communication between stakeholders for timely decisions


Knowledge Mobilization Steering Committee

Understanding the needs of the Practitioners

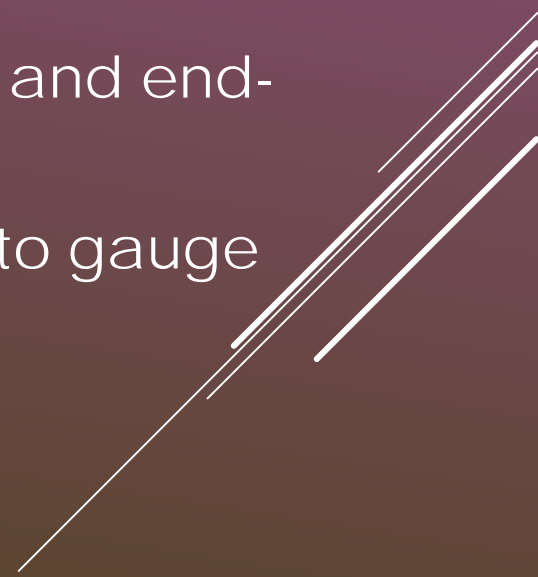
Engaging Practitioners from start to end of the project



Practitioners involvement in DSS
Formulation



PRACTITIONERS ROLE

- ▶ Development of the DSS will follow the best practices and establish trust and credibility with government and public agencies through close and sustained knowledge co-production.
 - ▶ All developments will benefit from early practitioner input on the design of DSS:
 - ▶ Improve the likelihood that the agencies and end-users act on the scientific knowledge
 - ▶ Implement adaptive monitoring systems to gauge the success of actions taken.
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SUMMARY

Management of Lake Erie Algal Bloom Issue requires a Systematic Methodology

