Acceptance Criteria – Abandoned Oil and Gas fields

Is zero leak zero?

New JIP - Recommended Practice/Acceptance Criteria for: Abandonment Design - Evaluation/Qualification of legacy wells - Assessment of detected leaks

Challenge to be addressed by project:

Zero leak is not zero. When planning abandonment of an Oil and Gas field risk-based approaches are being adopted, however, this is hampered by the lack of a commonly agreed acceptance criteria. Similarly, a risk-based approach can be adopted when evaluating barriers for legacy wells but again an acceptance criteria is needed. Finally, if a leak is detected after abandonment an acceptance criteria is required to evaluate which action is needed.

Objectives:

Develop industry practice and decision support tool for abandoned oil and gas sites

Project Scope:

- Resilience of marine environment
- Potential leak scenarios (with CH4 - but same methodology can be used for CO2)
- Upscaling to North Sea level
- Risk based approach

Project information:

- The JIP is a collaboration between Norce, DNV, University of Stavanger and DTU Offshore
- The JIP will run for 3 years and will be funded by industry partners signing up for the project
- The JIP will invite the North Sea authorities to be observer on the development of the acceptance criteria

Planning Abandonment

Comparison of risk associated with various abandonment designs relative to acceptance criteria

Post Abandonment Qualification

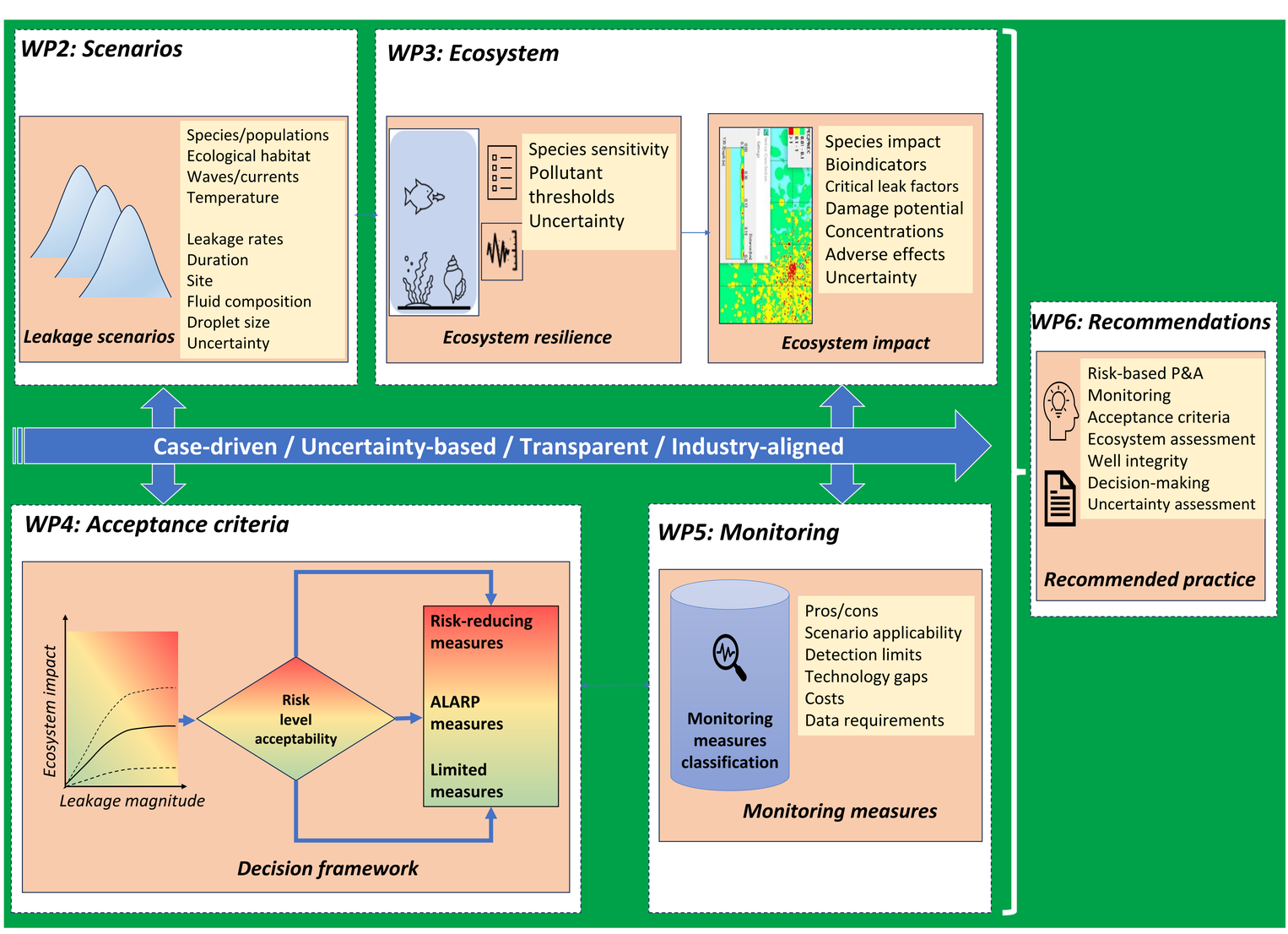
Execution as per plan?

Evaluate if further action required

Leak detected at site

Leak detected at seabed – What to do?

(e.g. leak size, Environmental Impact, Monitoring)



Deadline for signed letters of intent – June 21st 2024

Contracts to be signed October 31st 2024

Planned project kick off January 1st 2025

For more information or for sign-up please contact:

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