Housekeeping

Recording in progress

- This webinar will be recorded for the benefit of those who are unable to attend

- The recording and presentation will be available on the [AEMO project website](#)

Questions and answers

Teams Functionality

Q&A   Raise

- Submit questions through the Q&A function in this Teams Meeting

- Questions at dedicated session at the end

- Any questions we don't get to, please email cerdataexchange@aemo.com.au and a member of our team will be in touch

Agenda

Agenda Description	Facilitator
1. Acknowledgement of Country & Opening Remarks	Ed Chan, Nick Regan
2. Overview of consultation activities to date	Rachel Rodrigues McGown
3. Consultation paper: Summary of submissions	Ed Chan, Alexandra Bortolussi
4. Preferred option	Rachel Rodrigues McGown
5. Next steps for 2025	Ed Chan
6. Q&A	Craig Chambers

Opening remarks

AEMO

ARENA
Australian Government
Australian Renewable
Energy Agency

Overview of Co-Design Activities to date

We have undertaken a significant co-design process

This project is part of a broader journey

CER Integration Trials ➤ **Co-Design Collaboration** ➤ **Phased Implementation**

1 **Underway or Complete**

- Trials demonstrated the value of a CER data exchange approach
- Learnt from other industry and international trials and Case studies
- Case for a larger scale investment positive, including CBA
- National Priority Reform under CER Roadmap

2 **Stage 2: This Project (May 2024 – Apr 2025)**

- Seek to achieve industry alignment
- Development of high-level design
- Develop implementation roadmap
- Release a knowledge sharing report

3 **Scaling beyond this project (2025-2027+)**

- A phased approach for a CER Data Exchange based on participant readiness, priority and value of use cases will be detailed in an Implementation Roadmap early in 2025
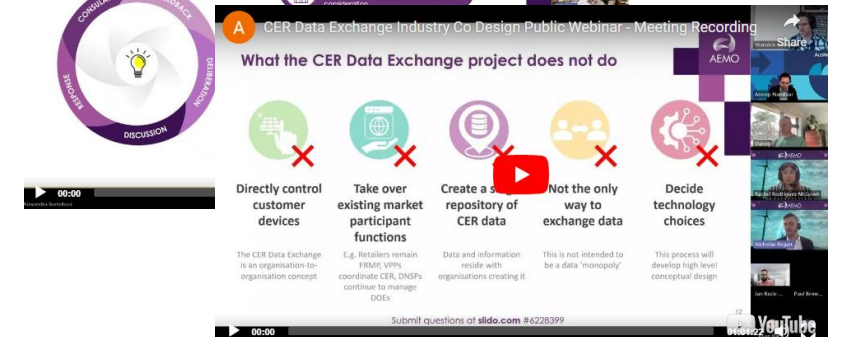- This will be followed by detail design development, detailed costing and implementation
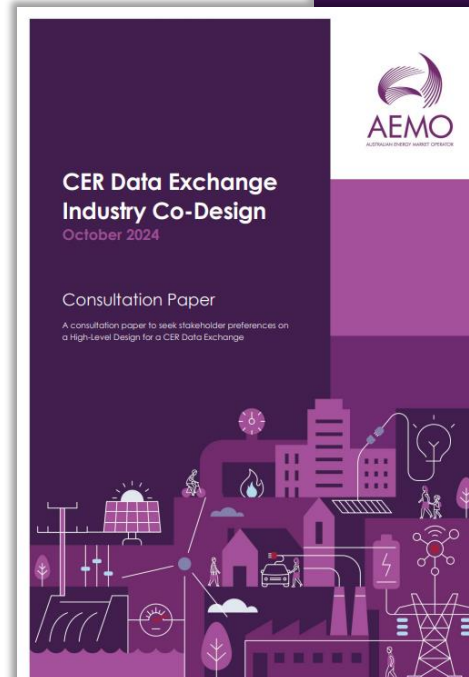
We are here

Thank you for the significant contributions by industry to shape reform
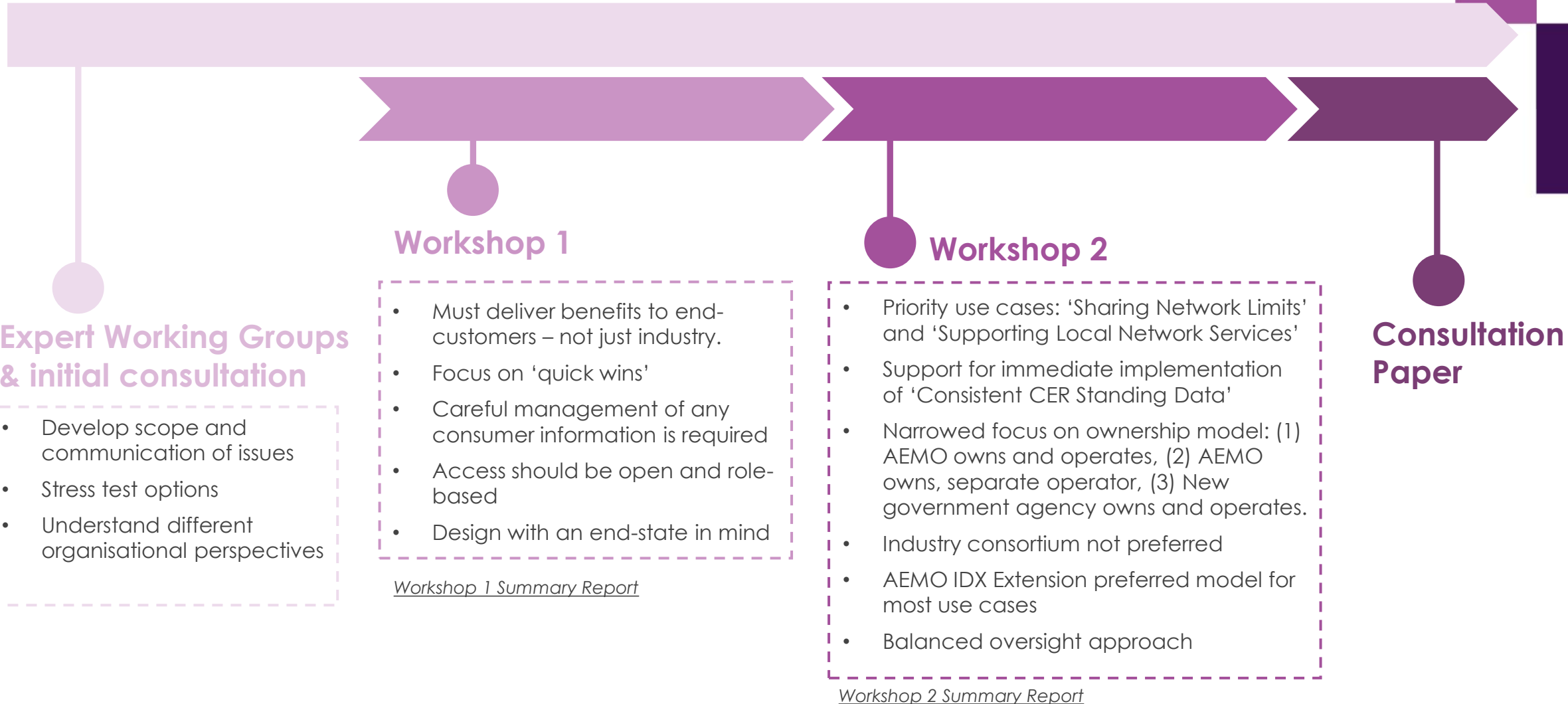
170 People at Industry Workshops

23 Submissions to the Consultation Paper

9 Expert Working Group Meetings

Feedback received through consultation activities to date

Expert Working Groups & initial consultation

- Develop scope and communication of issues
- Stress test options
- Understand different organisational perspectives

Workshop 1

- Must deliver benefits to end-customers – not just industry.
- Focus on 'quick wins'
- Careful management of any consumer information is required
- Access should be open and role-based
- Design with an end-state in mind

Workshop 1 Summary Report

Workshop 2

- Priority use cases: 'Sharing Network Limits' and 'Supporting Local Network Services'
- Support for immediate implementation of 'Consistent CER Standing Data'
- Narrowed focus on ownership model: (1) AEMO owns and operates, (2) AEMO owns, separate operator, (3) New government agency owns and operates.
- Industry consortium not preferred
- AEMO IDX Extension preferred model for most use cases
- Balanced oversight approach

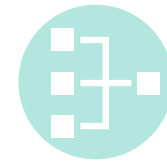*Workshop 2 Summary Report*

Consultation Paper

Consultation Paper: Summary of Submissions

Key themes, stakeholder sentiment and stakeholder feedback on the Consultation Paper

AEMO

Consultation paper: key milestone to confirm workshop feedback and industry preferences

Expert Working Group

Consultation Sessions

Workshop 1

Workshop 2

Consultation Feedback

What was included in the Consultation paper?

- Summary of all stakeholder feedback

- Developed options to operationalise how it would work

- 20 questions to invite feedback

We consulted on these key aspects of the CER Data Exchange:

Use Case Functionality

Data Sharing Capability

Ownership, Operations & Oversight

Data Governance

Implementation Considerations

Consultation paper key milestone, 23 submissions received to consider design preferences

We highly appreciate the level of input shown in this reform program. We particularly thank all stakeholders for their feedback to the Consultation Paper.

Key themes

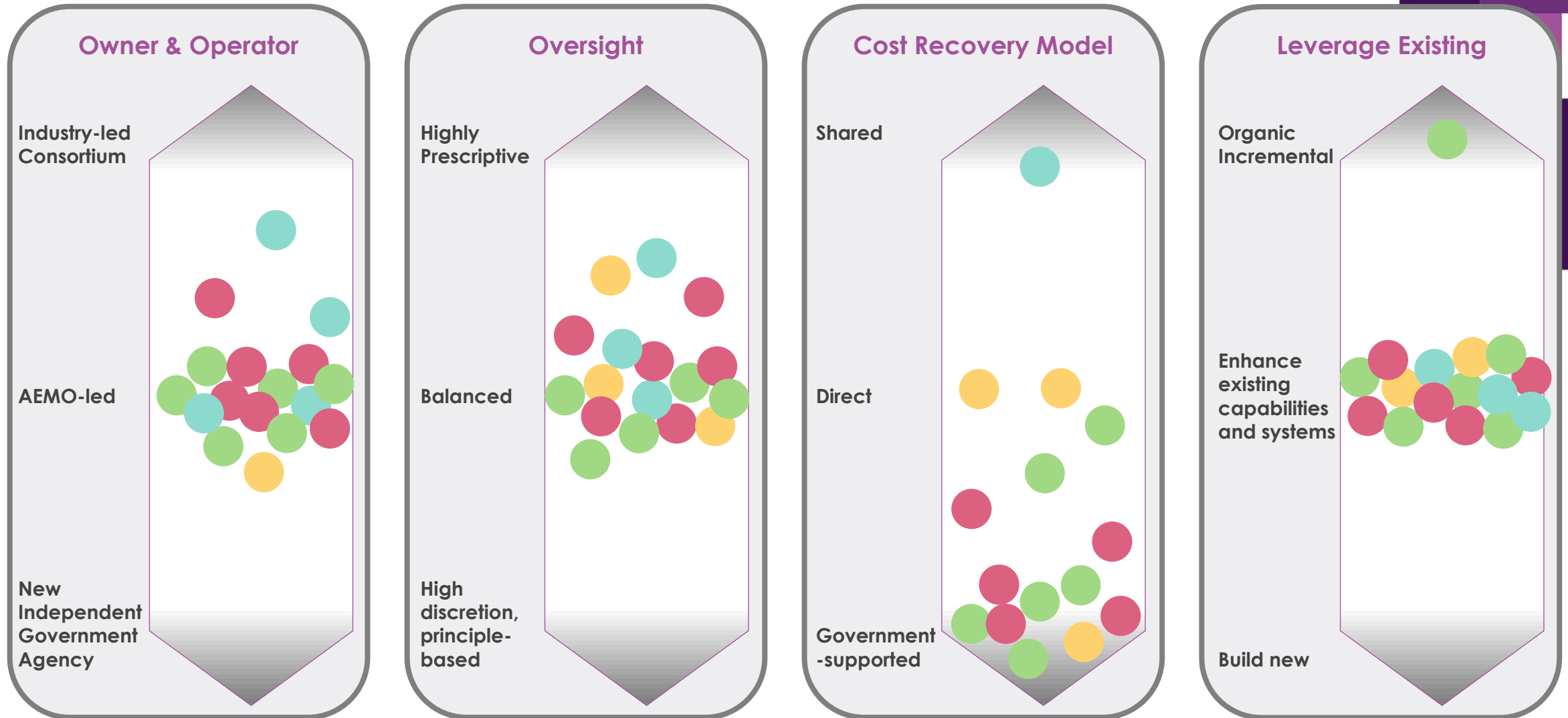Broad support to progress the CER Data Exchange as key reform initiative

Submissions, together with feedback from workshops provide direction for the next stage of the co-design process

Identified areas where further exploration and consultation on details is required (i.e. funding arrangements)

Stakeholder Sentiment

Owner & Operator
- Industry-led Consortium
- AEMO-led
- New Independent Government Agency

Oversight
- Highly Prescriptive
- Balanced
- High discretion, principle-based

Cost Recovery Model
- Shared
- Direct
- Government-supported

Leverage Existing
- Organic Incremental
- Enhance existing capabilities and systems
- Build new

*Note: Where an organisation has not specifically commented, they have not been included in the diagram.

Networks

Retailers and Aggregators

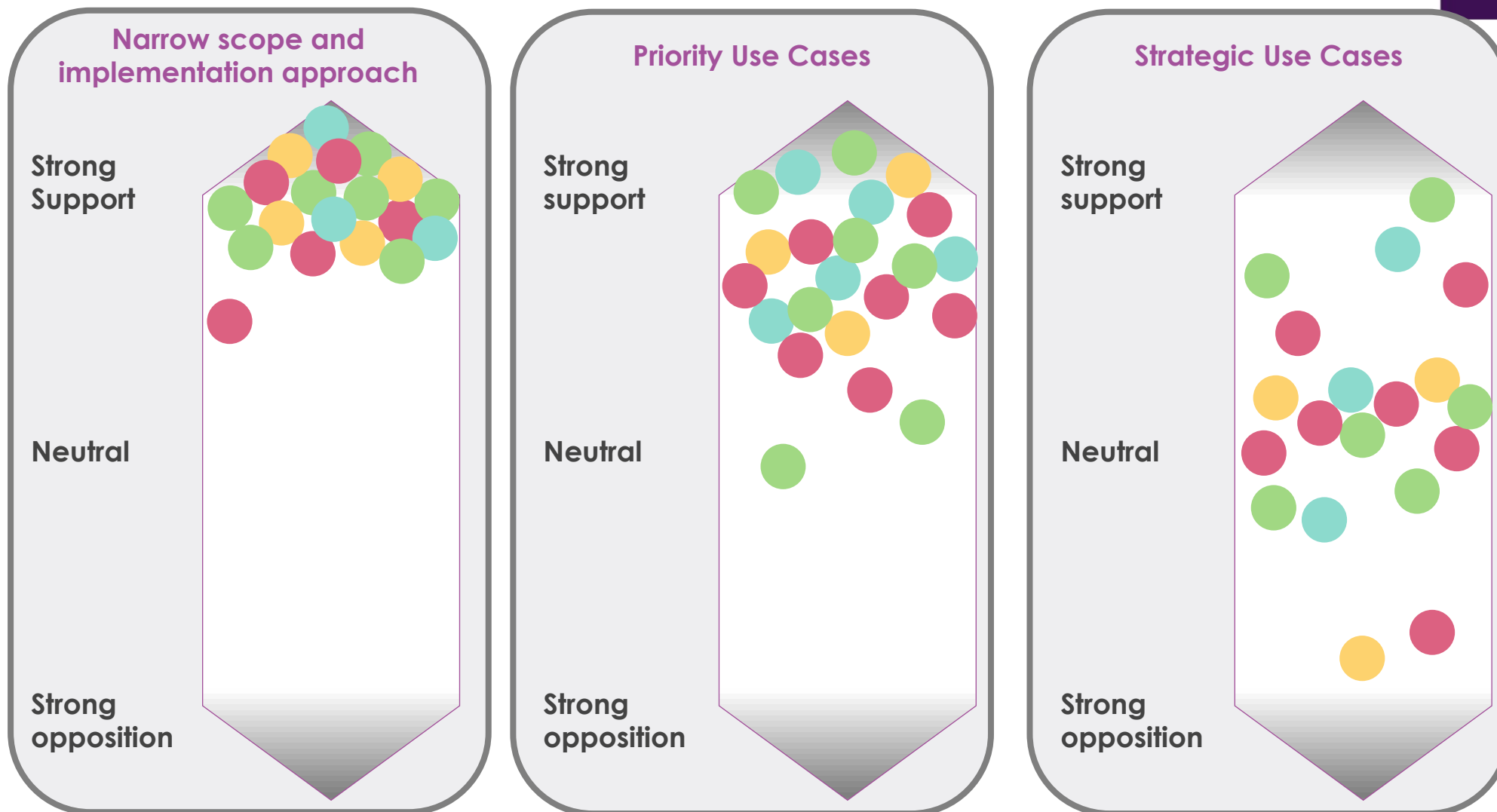**Industry Associations / Advisors / Researchers**

Technology Providers / OEMs

Stakeholder Sentiment

*Note: Where an organisation has not specifically commented, they have not been included in the diagram.

Networks

Retailers and Aggregators
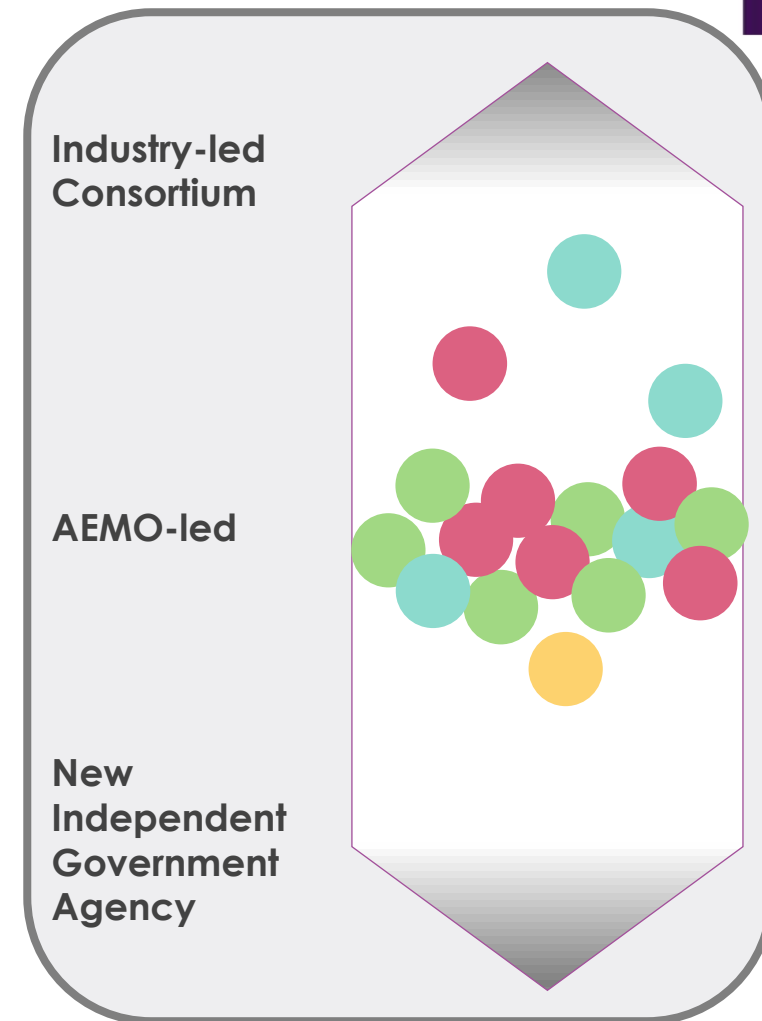
Industry Associations / Advisors / Researchers

Technology Providers / OEMs

Submissions feedback: Ownership, Operations & Oversight

Ownership and Operations

> **Clear preference for AEMO to own and operate. New independent government agency was second preference.**

Model	Stakeholder Sentiment
AEMO-led	Most cost-effective and efficient, leveraging AEMO's existing expertise and infrastructure. Need to manage perceived potential bias given AEMO's other core responsibilities.
New independent government agency	Most impartial and consumer-focused, but stakeholders recognised the higher setup costs and potential for slower decision-making
Industry-led consortium	Less favourable due to concerns around potential commercial bias and the risk of larger players dominating the governance process.

Industry-led Consortium

AEMO-led

New Independent Government Agency

- 🟢 Networks
- 🔴 Retailers and Aggregators
- 🔵 Industry Associations / Advisors / Researchers
- 🟡 Technology Providers / OEMs

*Note: Where an organisation has not specifically commented, they have not been included in the diagram.

15

Submissions feedback: Ownership, Operations & Oversight

Oversight

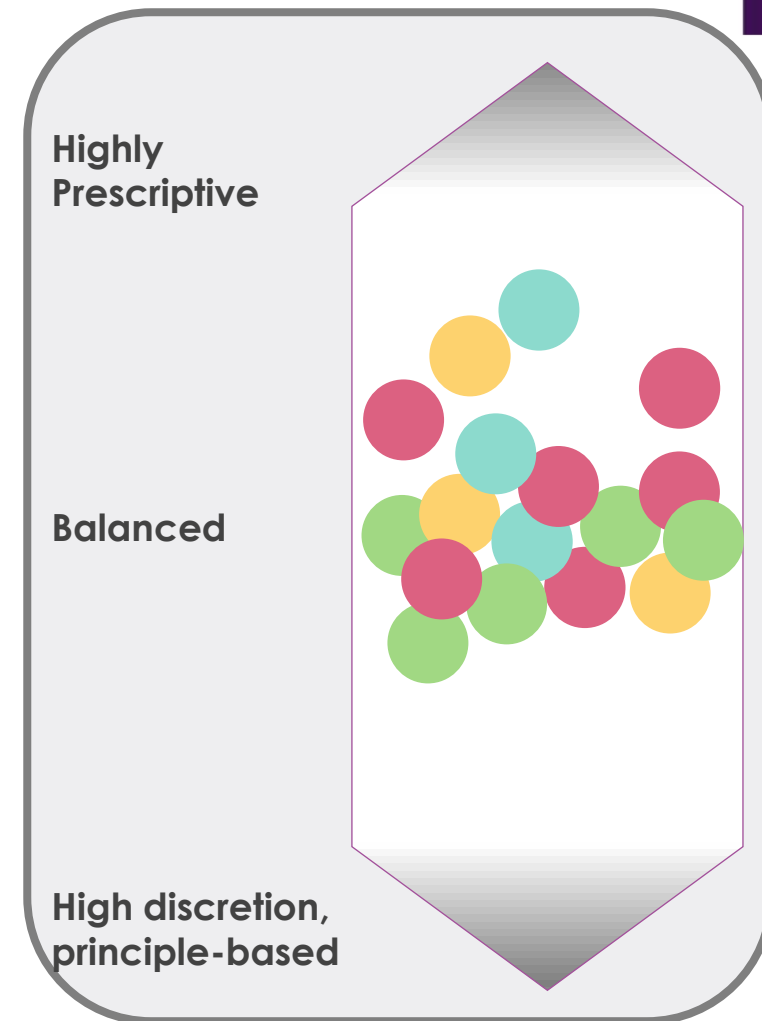> **Robust oversight to ensure transparency accountability, and alignment with the NEO**

Strong preference for **significant industry involvement** and consultation.

Some stakeholders suggested that **existing regulators** like the AER would be best placed to provide oversight.

Others considered a new dedicated oversight body necessary to ensure true independence.

Highly Prescriptive

Balanced

High discretion, principle-based

- Networks
- Retailers and Aggregators
- Industry Associations / Advisors / Researchers
- Technology Providers / OEMs

*Note: Where an organisation has not specifically commented, they have not been included in the diagram.

Submissions feedback: Data Sharing Capability

Consistent emphasis on essential foundational elements, while maintaining flexibility for future expansion.

Strong support for **leveraging existing** systems and standards.

Several submissions highlight the need to **align with and build upon AEMO's IDX** initiative.

CER Data Exchange should **act solely as a facilitator** rather than processing or storing data itself.

Capabilities

Essential:
- information security
- format standardisation
- data governance
- access management
- platform interoperability

Stakeholder suggestions:
- message receipting and confirmation functionality
- standardised consent management
- ability to verify data quality

Future (or optional):
- advanced data validation
- custom data formats
- real-time processing
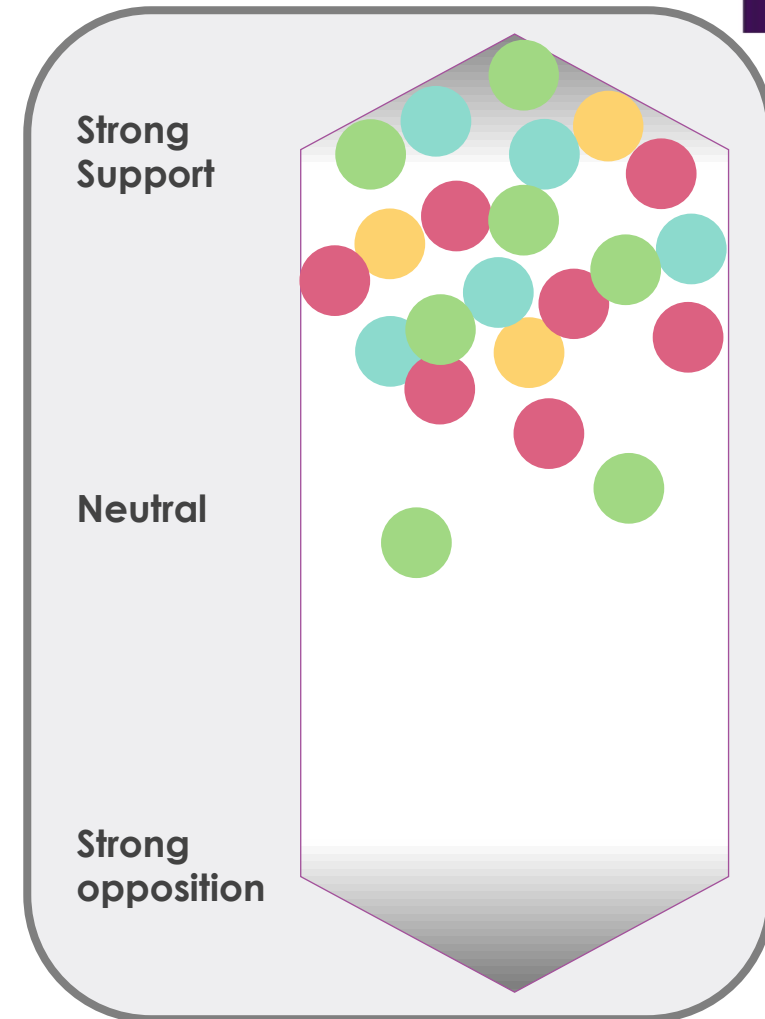
Submissions feedback: Use Case Functionality

Priority Use Cases

> **Broad but qualified support for three priority use cases.**

Use Case	Stakeholder Sentiment
Sharing Network Limits	Strong backing, though many noted the need to first harmonise standards like CSIP-AUS implementation
Supporting Local Network Services	Mixed views on Supporting Local Network Services, with some suggesting the market too immature or value is contingent on addressing existing barriers.
Consistent CER Standing Data	Received the strongest support as a foundational use case

Stakeholders reiterated the need to implement the priority use cases first and learn/adapt prior to expanding

Strong Support

Neutral

Strong opposition

● Networks   ● Retailers and Aggregators   ● Industry Associations / Advisors / Researchers   ● Technology Providers / OEMs

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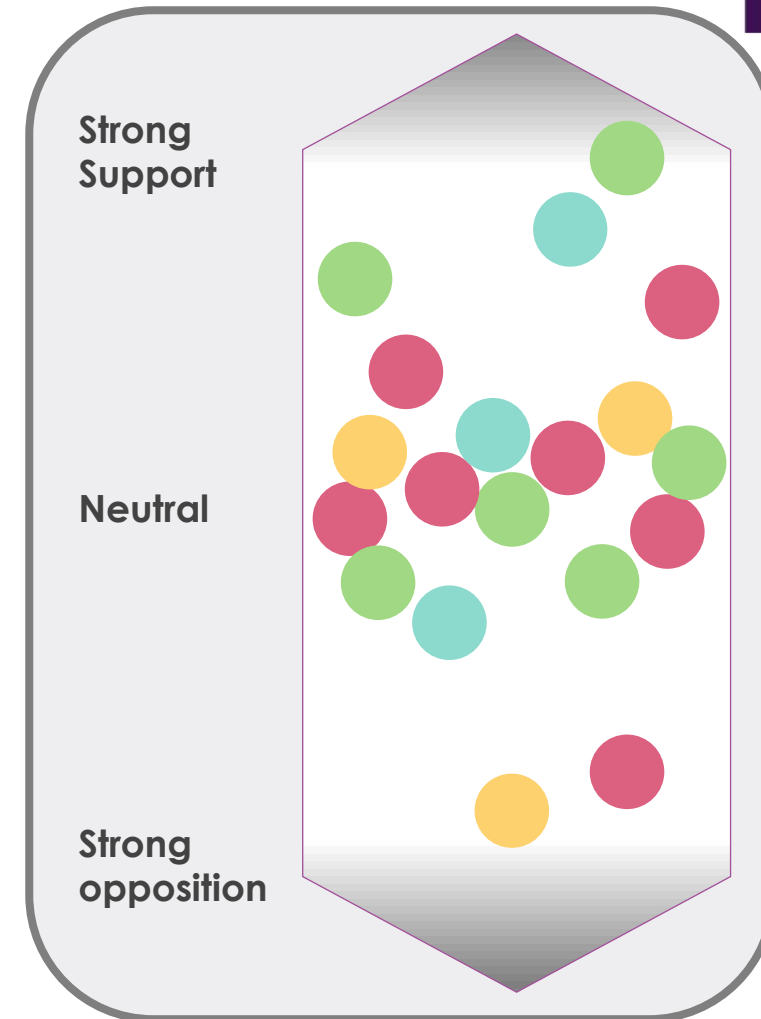
Submissions feedback: Use Case Functionality

Strategic Use Cases

Most stakeholders are less supportive of strategic and other use cases identified.

Use Case	Stakeholder Sentiment
CEC's CSIP-Aus Testing and certification	Many stakeholders endorsed the Clean Energy Council's proposal for CSIP-Aus testing and certification as an **additional priority use case** to help standardise the implementation of network limits and emergency backstop mechanisms.

Stakeholders reiterated the need to implement the priority use cases first and learn/adapt prior to expanding

Strong Support

Neutral

Strong opposition

🟢 **Networks** 🔴 **Retailers and Aggregators** 🔵 **Industry Associations / Advisors / Researchers** 🟡 **Technology Providers / OEMs**

*Note: Where an organisation has not specifically commented, they have not been included in the diagram.

Submissions feedback: Data Governance

> Many favoured combining industry collaboration with oversight from an established regulator.

Model Presented	Stakeholder Sentiment
Model A: Exchange Operator	Enables quicker decision-making, however, stakeholders raised concerns about potential conflicts of interest
Model B: Industry Collaborative or Association	Promotes collaboration, but may pose challenges to ensure consistent compliance
Model C: Existing Market Body	Provides strong compliance and public trust, but potentially less flexibility
Model D: New CER Data Governance Authority	Most impartial option but has higher setup costs and slower responsiveness

Stakeholder priorities

Importance of **regular, transparent stakeholder engagement** to support the integration of new use cases overtime

Highlighted **critical importance of data quality**.
- CER Data Exchange should focus on technical data validation and facilitating high-quality data sharing
- Data owners remain accountable for ensuring accuracy of information

How we will take feedback forward

Agreed by Stakeholders

- **Priority Use Cases:** Sharing Network Limits, Supporting Local Network Services, and Consistent CER Standing Data - were accepted as the initial focus.

- **Phased Implementation:** Phased rollout to deliver early value while maintaining flexibility.

- **Leveraging Existing Infrastructure:** Build upon and integrate with existing infrastructure, like the IDX, to reduce costs and accelerate implementation.

- **AEMO-Led Ownership:** Stakeholders accepted an AEMO-led ownership and operation model as a pragmatic, cost-effective approach leveraging existing expertise and infrastructure.

For Discussion

- **Cost Assessment:** Debate around the need for more rigorous evaluation of costs and benefits.

- **Governance Model:** Remains a topic of discussion, with alternative models proposed.

- **Funding**: Stakeholder support for government funding to support the initial investment costs of the CER Data Exchange.

- **Alignment with Broader Reforms:** Ensuring alignment and support of the broader regulatory and policy changes underway in the energy sector will necessitate wide-ranging stakeholder input.

For Co-Design

- **Data Governance Framework:** Developing a robust data governance framework, including industry involvement, privacy, and access controls, was called for by a range of stakeholders.

- **Cost Recovery:** Determining the appropriate funding sources and cost recovery mechanisms for the CER Data Exchange, balancing affordability and financial sustainability, is a key topic of interest to all stakeholders.

- **Expanding Use Case Capabilities:** Beyond the prioritised use cases, identifying, designing, and considering complimentary use cases that deliver similar benefits was raised.

- **Implementation Roadmap:** Further consideration of the timeline and CER data exchange implementation frameworks is required as well as the process to bring the priority use cases online.

Preferred option

Where feedback received to date has led us to

Stakeholders have expressed clear preferences, what do we investigate next?
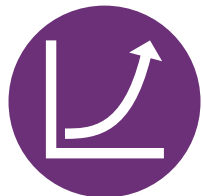
AEMO-led

Building on capabilities being developed through the **Industry Data Exchange** (oversight, implementation, funding)

Priority use cases as supported by submissions

Start small then grow

Brief overview of Industry Data Exchange

What is Industry Data Exchange (IDX)?

In March 2024, AEMO received industry endorsement to proceed with the implementation of Industry Data Exchange (IDX) Foundational Phase.

- Business case was signed off by industry following a lengthy stakeholder consultation period

- Represents an efficient and unified implementation of data exchange capabilities across multiple reforms requiring it, with an AEMO investment of $20m over the next two years.

- Designed to modernise and standardised data sharing by replacing legacy systems with secure, trusted standardised integration patterns.

- Support organisation to organisation data exchange, organisation to AEMO data sharing and third-party applications.

IDX will enable:

🔒 Secure Data Exchange

⇅ Flexible Use Cases

📈 Scalable participation

Implementation:

- Operational launch planned for Q2 2026
- Implemented under the Market Interface Technology Enhancements (MITE) projects

Next steps for 2025

Outlook on priority areas for investigation and consultation activities for 2025

Phase 3: Priority Areas for Investigation

High-Level Design Report

- Prepare a comprehensive High-Level Design Report

- Include learnings and recommendations from this co-design process.

Cost Assessment

- Undertake a cost evaluation of the preferred option to compliment the high-level design and support investment required

- Evaluate a counterfactual case to assess the potential impacts and trade-offs of the investment.

Implementation Roadmap

- Deliver a detailed implementation roadmap

- Provide a clear plan for expanding capabilities over time

- Identify enabling reforms

Data Governance & Oversight

- Further develop the data governance arrangements for the CER Data Exchange.

- Establish robust data management practices, industry involvement, and access controls.
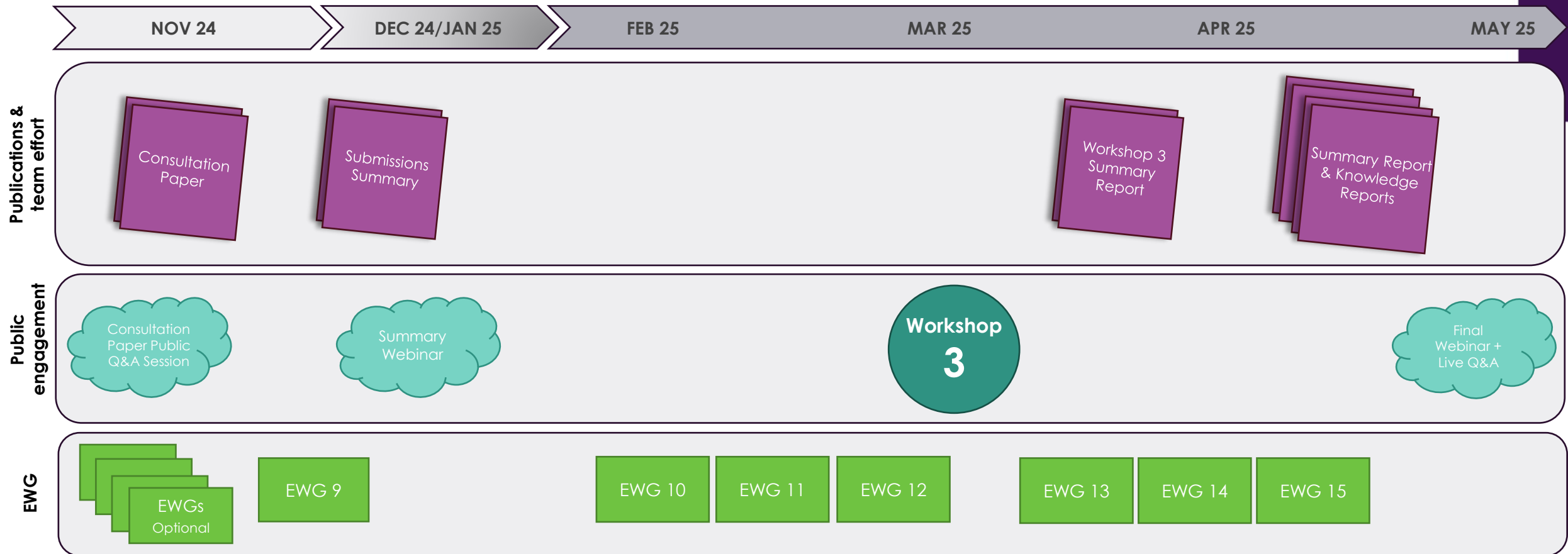
Stakeholder Engagement

- Ongoing engagement with stakeholders, holding a public workshop in March 2025

- Continue to seek feedback to refine the high-level design and implementation roadmap.
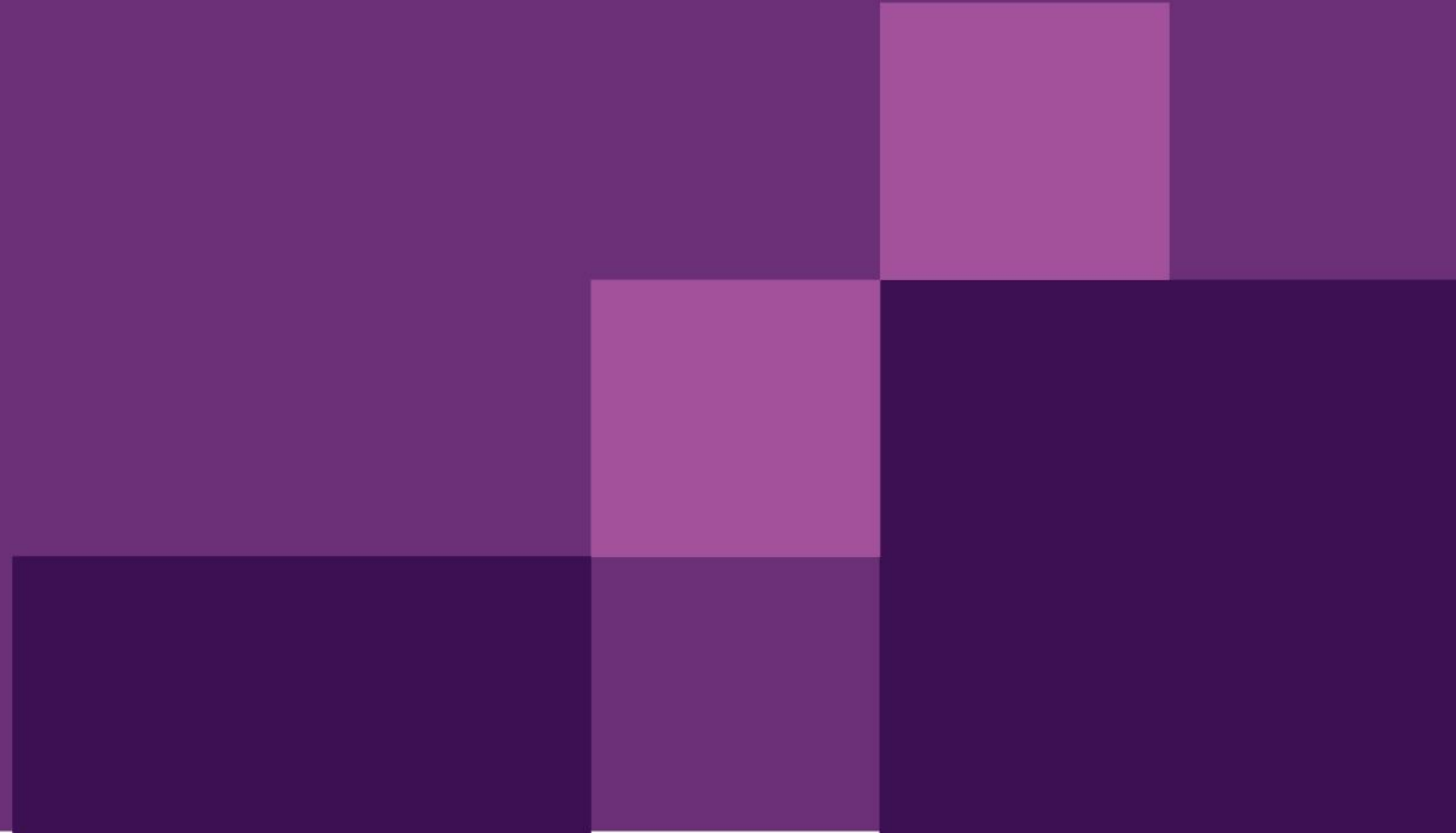
Funding Arrangements

- Develop options for initial establishment and ongoing funding

- Define and agree on funding sources and models that can sustainably support the CER Data Exchange over the long term.

We will investigate outstanding design preferences in 2025

| NOV 24 | DEC 24/JAN 25 | FEB 25 | MAR 25 | APR 25 | MAY 25 |

Publications & team effort

- Consultation Paper
- Submissions Summary
- Workshop 3 Summary Report
- Summary Report & Knowledge Reports

Public engagement

- Consultation Paper Public Q&A Session
- Summary Webinar
- Workshop 3
- Final Webinar + Live Q&A

EWG

- EWGs Optional
- EWG 9
- EWG 10
- EWG 11
- EWG 12
- EWG 13
- EWG 14
- EWG 15

Q&A

Thank you

For more information visit

aemo.com.au