



DER Market Integration Consultative Forum

22 July 2021

*We acknowledge the Traditional Owners
of country throughout Australia and
recognise their continuing connection to
land, waters and culture.*

*We pay our respects to their Elders past,
present and emerging.*

AEMO Competition Law Meeting Protocol

AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions **must**:

1. Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
2. Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
3. Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings **must not** discuss or agree on the following topics:

1. Which customers they will supply or market to
2. The price or other terms at which Participants will supply
3. Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
4. Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
5. Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

Today's meeting

Time	Item	Speaker
11:00 – 11:05	Welcome and introductions	Matthew Armitage
11:05 – 11:10	Virtual Power Plant Demonstrations Update	Matthew Armitage
11:10 – 11:15	Update on User Stories	Matthew Armitage
11:15 – 12:00	Project EDGE: <ul style="list-style-type: none">• Research plan overview & feedback	Nick Regan / Pierluigi Mancarella
12:00 – 12:15	Q&A	<i>Via Slido.com – use code #MICF</i>
12:15 – 12:25	Any other business	All
12:25 – 12:30	Future Meetings & Close	Matthew Armitage

VPP Demo & MASS Consultation update

MASS Consultation Overview



- The second stage of consultation has been extended by an additional month. Submissions are now due on 6 August 2021.
- AEMO are working to develop a Fact Sheet to address some of the feedback & questions arising following the publication of the Draft Determination – we’ll share this with stakeholders once published.
- The DNSP forum minutes are also being finalised and will be shared shortly.
- Please contact MASS.consultation@aemo.com.au for any questions.

User Stories

Update



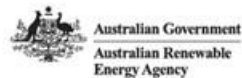
Project EDGE:

Research plan overview & feedback

Project EDGE | Research Plan Development

MICF

Thursday 22 July 2021



The purpose of Project EDGE is to build off the work of the Open Energy Networks Program to test the 'Hybrid Model' in practice and support reform.

An independent, expertly-designed Research Plan is seen as critical to support major industry reform.

An expert, independent party is important to develop the Research Plan because the Project:

Needs to build an evidence base to support industry that has integrity

Is a first-of-its-kind trial

Operates within an ecosystem of other innovative demonstration projects that it can complement

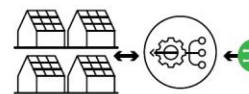
The UoM have been engaged to develop the Research Plan because they bring:

World-class research design capability and experience

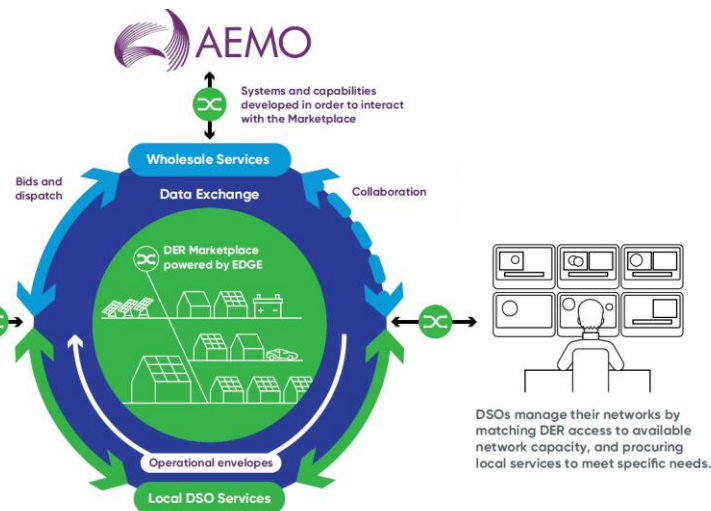
Considerable knowledge of international related work and markets

A collaborative approach to work with the Project Team and others to understand what is happening in Australia

Aggregator



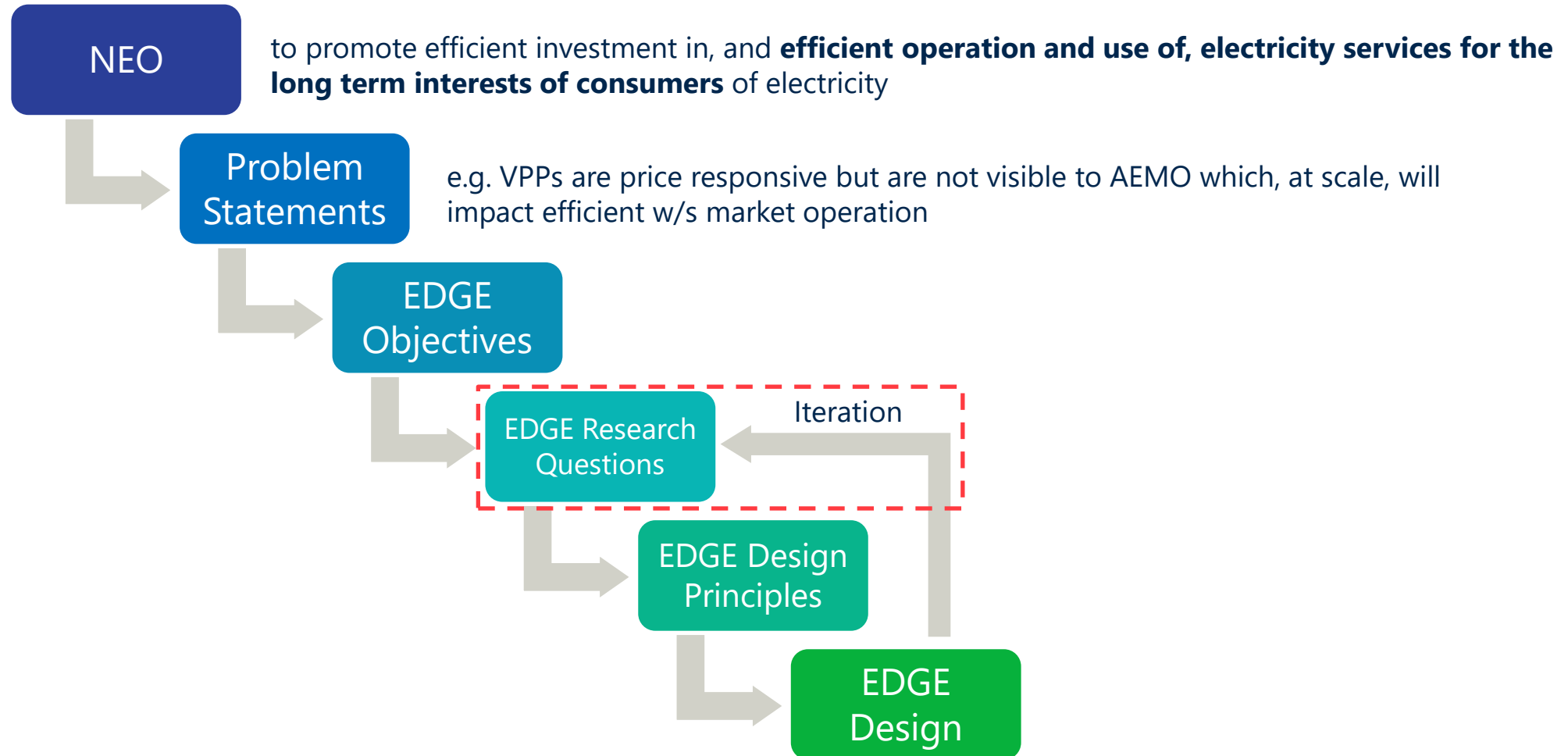
Aggregators use EDGE to access and deliver electricity services on behalf of consumers, including wholesale services to AEMO and local network services to DSOs.



Distribution System Operator

The world class research team at the UoM are currently supporting the team to refine the Research Questions.

The National Electricity Objective has been used as the ultimate guide in co-designing the Project and high-level marketplace.



The Research Questions and its hypotheses must be traceable back to the Project EDGE Objectives, and ultimately the NEO.

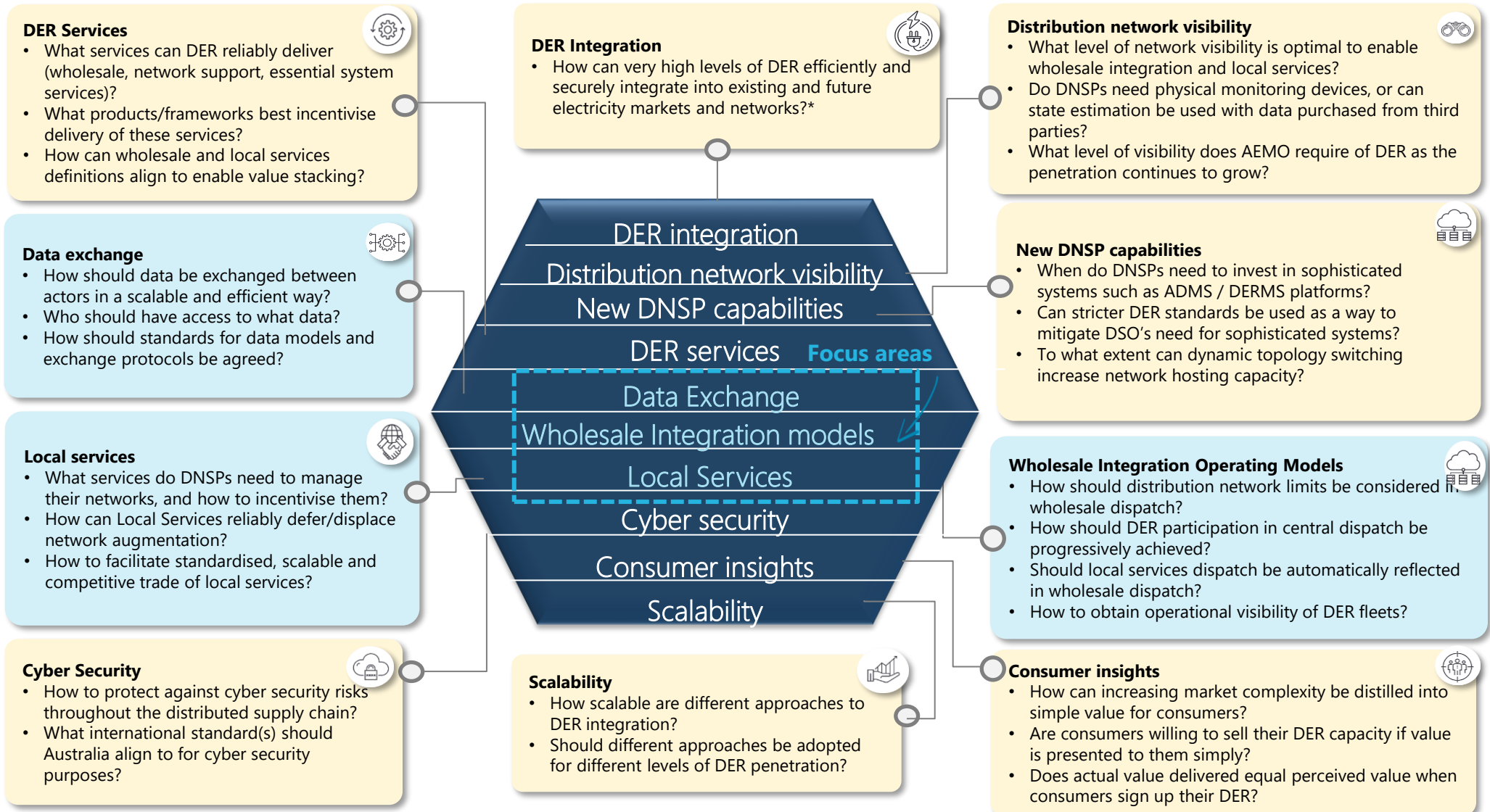
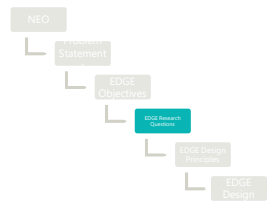


Project EDGE Objectives:



1	WHOLESALE MARKET PARTICIPATION ENABLED AT SCALE Demonstrate how DER fleets could participate in existing and future wholesale energy markets at scale	Marketplace technical requirements
2	DISTRIBUTION NETWORK LIMITS IN WHOLESALE DISPATCH CONSIDERED Demonstrate different ways to consider distribution network limits in the wholesale dispatch process	
3	EFFICIENT AND SCALABLE TRADE OF LOCAL NETWORK SERVICES ENABLED Demonstrate how to facilitate standardised, scalable and competitive trade of local network services	
4	EFFICIENT, SCALABLE AND SECURE DATA EXCHANGE ENABLED Demonstrate how data should be exchanged efficiently and securely between interested parties to support delivery of distributed energy services	
5	INTEGRATED PLATFORM Develop a proof of concept, integrated software platform to facilitate delivery of objectives 1-4 in an efficient and scalable way	
6	DEFINED ROLES AND RESPONSIBILITIES Develop a detailed understanding of roles and specific responsibilities that each industry actor should play	Enablers for implementable reform
7	COST BENEFIT ANALYSIS COMPLETED Conduct comprehensive cost benefit analysis to provide an evidence base for future regulatory decision making	
8	CUSTOMER PERSPECTIVE ENGAGED Conduct a customer focused social science study to understand customer opinions on the complexities of DER integration	
9	STAKEHOLDERS ENGAGED ACCORDING TO BEST PRACTICE PRINCIPLES Deliver best practice stakeholder engagement throughout the project with a commitment to knowledge sharing	
10	EVIDENCE-BASED IMPLEMENTATION RECOMMENDATIONS PROVIDED Deliver recommendations, supported with evidence, on how and when the concepts demonstrated should be implemented operationally	

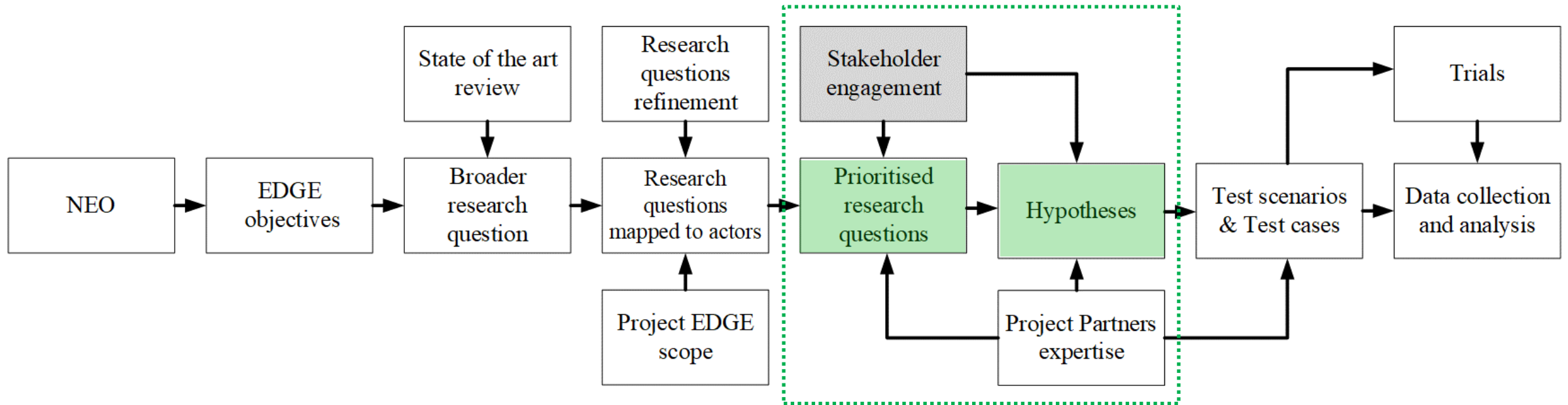
The Project Participants co-developed initial research questions. These were used to progress early trial design and platform development.



*Efficiently means finding the framework that delivers greatest net benefit to consumers. Securely means including distribution level network constraints in security constrained dispatch.

UoM has employed an iterative approach to test and refine broad research questions into Prioritised Research Questions and Research Hypotheses.

This approach picked up the initial research questions and refined through a literature review and consultation process.



Next steps:

1. The Project Team will circulate the draft Research Questions and hypotheses before the next Forum
2. Participants will be invited to provide written feedback by email to the UoM via shariq.riaz@unimelb.edu.au
3. The next MICF will allow time for discussion of feedback

Q&A



Q&A

Join via slido.com using code #MICF

Any other business

Stakeholder survey – complete by 30 July 2021

[Click here](#) to access the survey.



Future Meetings & Close

Next meeting: 19 August 2021

Future Meetings

Note that future meetings will be pushed to the 3rd/4th week of each month on the same day and time. A reschedule of the existing meetings will be issued shortly.

Indicative dates:

- **Thursday, 19 August 2021**
- **Thursday, 16 September 2021**
- **Thursday, 21 October 2021**
- **Thursday, 18 November 2021**

Note:

- Agenda & meeting documents will aim to be provided 5 days prior to meetings.
- Meeting actions will be distributed within 5 days post meetings (as required).
- Non-confidential information will be shared following each meeting.



Questions & contact

DERProgram@aemo.com.au