

Electric Vehicle

Game Changer Initiative

Another Global Change Institute initiative



EVs

Electric Vehicles will have a significant impact on many aspects of our economy and society. They present tremendous new opportunities, including:

- De-carbonising our transport and mobility
- Greater utilisation of our installed renewable energy generation and supporting grid stability, and
- Addressing growing social inequalities including transport & energy affordability.

The EV opportunity

To realise and maximise the new opportunities presented by electric vehicles, bold thinking and evidenced-based planning and investment is required.

Together with visionary partners, UQ is developing a game changing initiative that will:

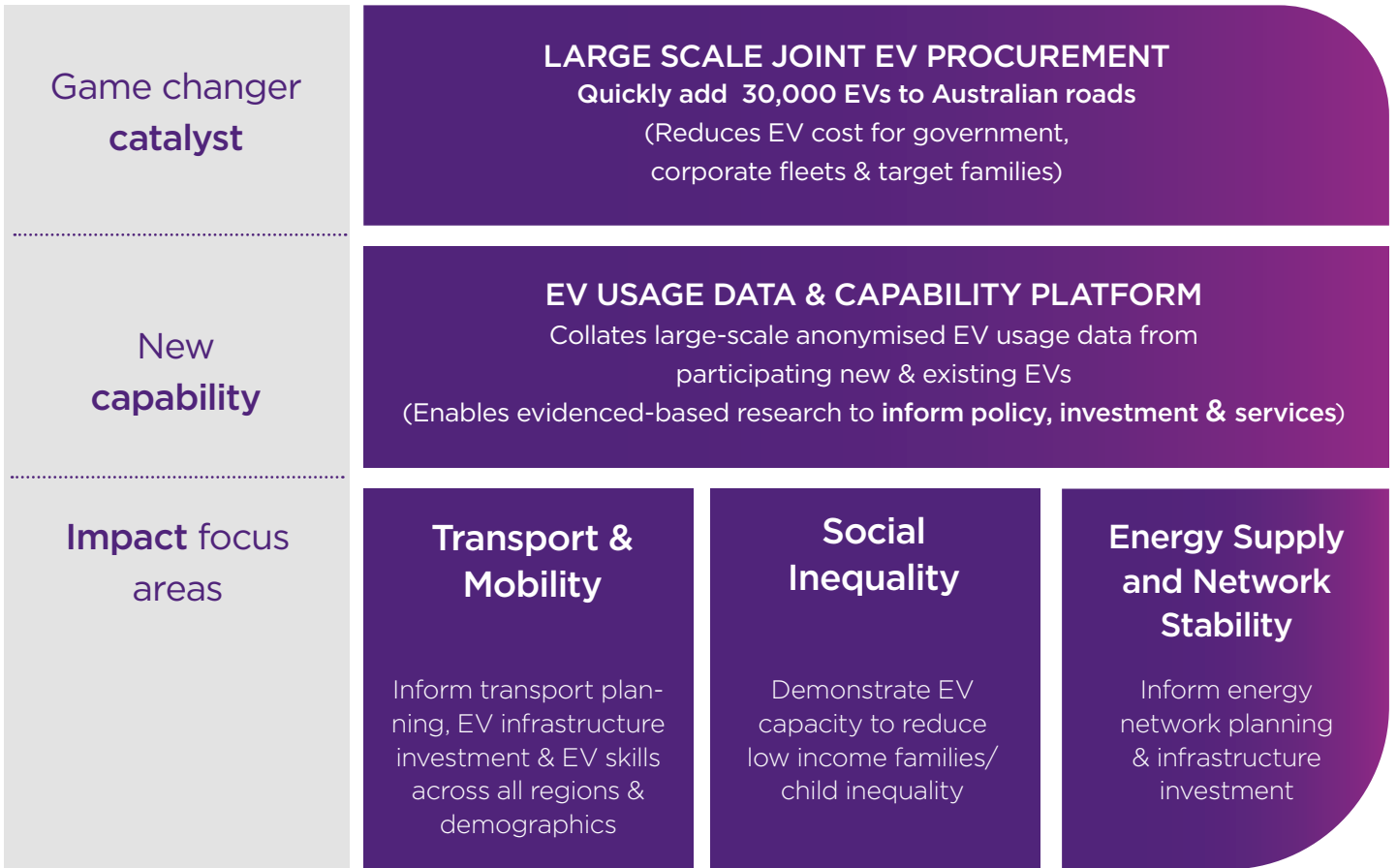
1. Rapidly **double** the number of battery EVs on Australian roads to drive market development (without the need and investment required to subsidise all new EV purchases).
2. Lead the world in addressing increasing social inequities by enabling lower income families to participate and benefit from EV ownership (demonstrate EV power as a social policy tool/direct incentives to those most in need).

3. Create a large, real life evidence base regarding actual EV user needs and habits across all demographics to inform infrastructure, services & policy locally and globally.

The initiative will seed new skills and jobs across Australia and give all parts of the community better access to the social, economic and environmental benefits of EVs.

MORE DETAILS

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Initiative outcomes & impacts

- 1. Expedited EV Adoption** – through EV-cost reduction and driving infrastructure investment
- 2. Improved lower-income families' economic and social wellbeing** – by freeing-up family budget for other critical services (e.g. children's health, education, sports etc.)
- 3. Expedited regional job creation** – through roll-out of new services across the regions to support an increased number of EVs
- 4. Faster transition to Zero Net through:**
 - Reduced Transport emissions
 - Increased energy storage capacity, enabling greater use of renewable energy
- 5. Reduced Government investment through:**
 - not subsidising all new EV purchases
 - lower cost to convert Gov fleets to EVs & quicker benefit from lower EV running costs
 - reduced new energy network infrastructure to meet peak demands
- 6. Improved Government Planning / Policy Capability** – through access to a large new evidence-base (inform transport, energy and social policies and investments)

