

# Research Missions for sustainable transformation

The FAME Strategy: Sustainability will drive a sustainable future through the delivery of ground-breaking research. The Strategy encompasses five research missions (RMs) which focus on urgent and important cross-cutting thematic areas.

**RM 1** seeks to reduce global inequality and cultivate an inclusive transformation to a sustainable future. This includes exploring human rights-based approaches, improving access to justice, promoting inclusivity and participation, championing Indigenous voice and traditional knowledge, developing resilient infrastructure and planning, disaster risk reduction, and enhancing the wellbeing of vulnerable populations through improved health systems.

**RM 2** explores innovative systems and solutions required to improve production and consumption. From the extraction of critical minerals through to the systems required to optimise food production and water use, and new knowledge that supports circular economies and supply chains, RM 2 investigates how we can do more with less to ensure the sustainable and efficient use of natural resources.

**RM 5** encourages and enables sustainable governance. This includes research into reimagining governance structures, responsive policy and regulatory design, mobilising green and climate finance, capacity development and behavioural change, and enhanced decision-making tools. It will also examine the co-benefits, trade-offs and tough choices required to navigate sustainability issues.

**RM 4** will accelerate the technology, innovation and skills required to transform to a sustainable economy. This includes developing low/zero emissions future fuels (including hydrogen) and low emissions technology, as well as reducing inequality through transferable, affordable and accessible technology.

**RM 3** focuses on planetary health, including the restoration and resilience of biodiversity and ecosystems. This includes pioneering new knowledge into planetary health, biodiversity restoration solutions, nature-based climate adaptation, and the true valuation of ecosystem services. It will also champion Indigenous and traditional knowledge to strengthen ecological research.

