



Australian
National
University

ANU Below Zero Initiative



Scholarly Information Services Division

Clare de Castella, ANU Institute for Climate, Energy & Disaster Solutions

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ANU Below Zero: vision and goal

- Transformational change is required to limit global warming to 1.5°C*
- Reducing greenhouse gas (GHG) emissions to net zero is no longer enough
- As the national university, ANU has a responsibility and the capacity to lead the nation in line with world's best practice



To reduce ANU greenhouse gas (GHG) emissions to below zero as rapidly as possible

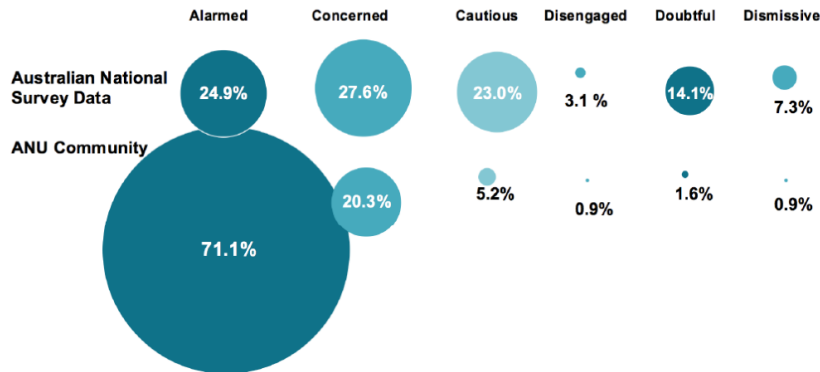


What is the ANU emissions footprint ?

- Estimated 'normal year' emissions: 37,000 tonnes CO₂ equivalent
 - largest source is gas for heating followed by air travel
 - total travel emissions are uncertain
- Acton campus generates 96% of emissions
- Without ACT 100% renewable electricity, this source would dwarf all other ANU emissions

Online survey of ANU students & staff - Aug 2020

- 91% concerned or alarmed about climate change
- 80% support resourcing to achieve Below Zero goal



Public consultation process Sept – Oct 2020

7 workshops & online idea capturing platform



292 ideas, 183 comments

Recommendations developed by 7 expert panels



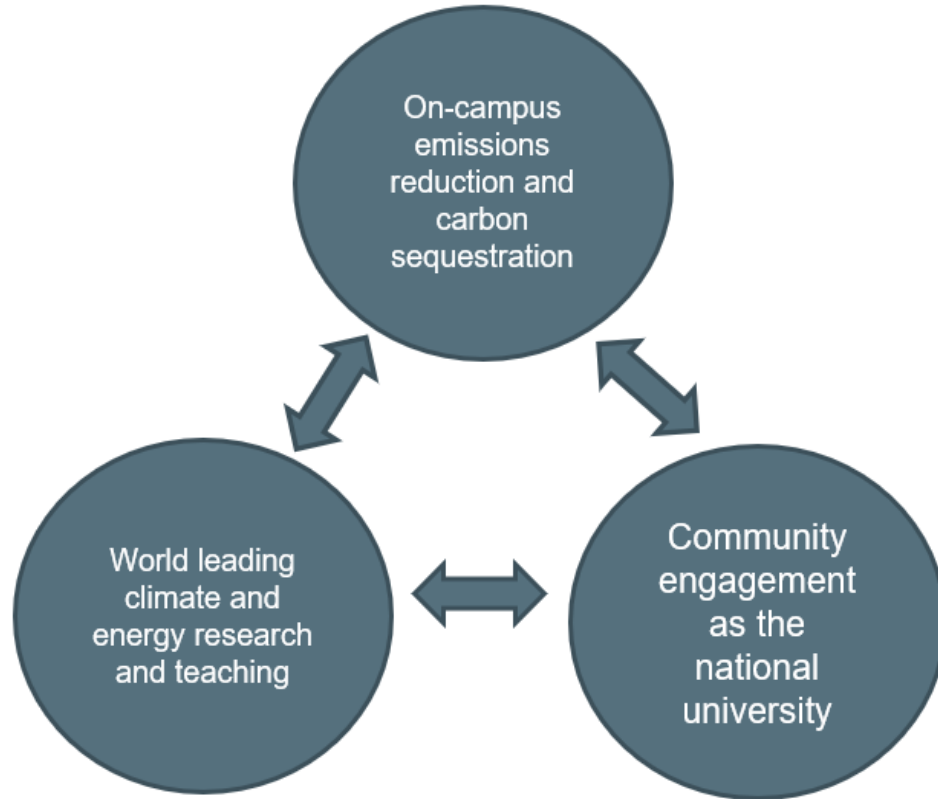
White paper

Proposed scope & targets

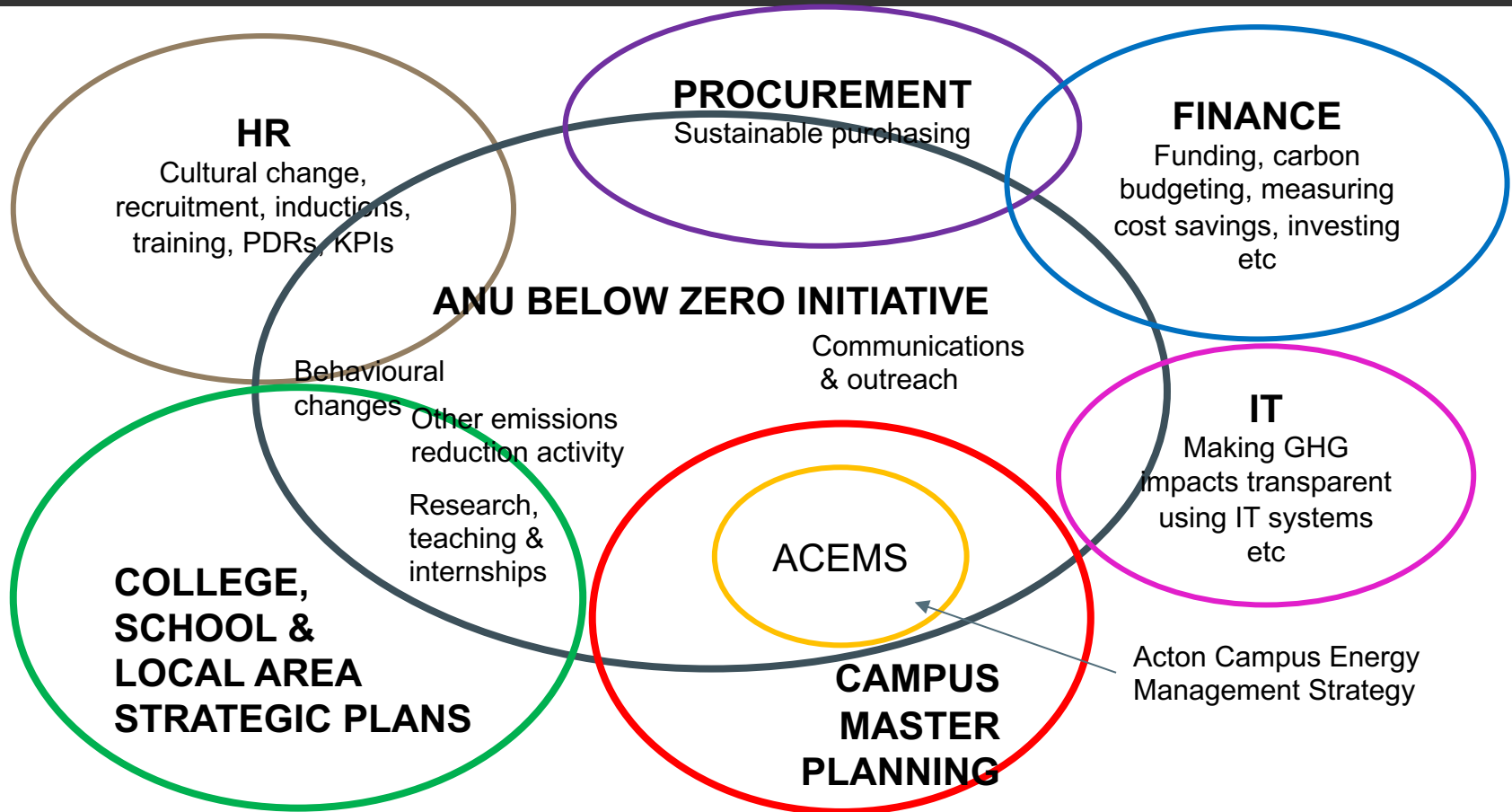
- **2025 – Net zero emissions** for direct on-campus & energy related emissions (Scope 1 and 2) & business travel & waste (partial Scope 3) with high quality Australian purchased carbon offsets as back-up
- **2030 – Below zero emissions** (for scope outlined above) drawing down emissions on ANU land / using only carbon offsets with an ANU research connection
- **Beyond 2030** – Progressively draw down emissions accumulated earlier (starting with those over ANU Below Zero lifetime)
- **All other indirect emissions** from procurement of goods and services & commuter travel (Scope 3) – Reduce as rapidly as possible, based on international best practice for university sector



ANU Below Zero: the strategy



All areas of ANU will have responsibility for Below Zero targets



NB – This is indicative & not a comprehensive picture of interactions

- Development of long-term mechanisms that can engage staff and students with Below Zero on an ongoing basis
 - Integration of Below Zero research projects into existing courses throughout ANU
 - Behaviour change at both an institutional and individual level to reduce GHG emissions
 - Eg Travel Working Group
 - Green Impact