

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Overview



Lee Nelson
IRG co-Chair (Australia)
June 2021

History of the GRA

- 2009 Established GRA alongside COP in Copenhagen with 28 Member countries
- 2010 First Senior Officials Meeting in Wellington to develop the structure of the Research Groups and establish the New Zealand based Secretariat
- 2011 Ministerial Summit held in Rome to endorse the Charter – followed by first GRA Council meeting Chaired by New Zealand
- 2015 development of first GRA Strategic Plan (adopted 2016), Special Representative approved, Integrative Research Group confirmed
- 2020 Development of second GRA Strategic Plan (adopted March 2021)
- 2021 GRA currently 65 member countries and 24 Partner organisations

GRA Council Chairs

- 2011 – New Zealand 2012 – Canada 2013 – Uruguay 2014 – Netherlands 2015 – USA
- 2016 – Mexico 2017 – Japan 2018 – Germany 2019 – Indonesia 2021 – Australia
- Next Chair will be Chile

Leadership

Council Chair: Australia

Council Vice-Chair: Chile

Paddy Rice Research Group: Japan, Senegal, Uruguay

Livestock Research Group: Ireland, New Zealand, UK

Croplands Research Group: Brazil, Spain, US

Integrative Research Group: Australia, Canada, France

- Farm to Regional Scale Integration Network
- Inventories and Nationally Determined Contributions Network
- Soil Carbon Sequestration Network
- Circular Food Systems Network.



AT A GLANCE

65
member
countries



24 partner
organisations



Over **3000** scientists
involved in activities of the GRA



72 international
collaborative projects
supporting the GRA



172 fellowships awarded to
recipients from **45** countries



4 Research
Groups



Paddy Rice
Research
Group



Livestock
Research
Group



Croplands
Research
Group



Integrative
Research
Group



17 Science
Networks



40 technical training
workshops held



23 technical guidelines,
resource materials and
databases produced



GRA Partners

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Making Progress

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Members getting organised

- Formation of national networks of expertise
- Connecting scientific community to policy community
- Aligning national funding with GRA priorities
- Transferring lessons to others



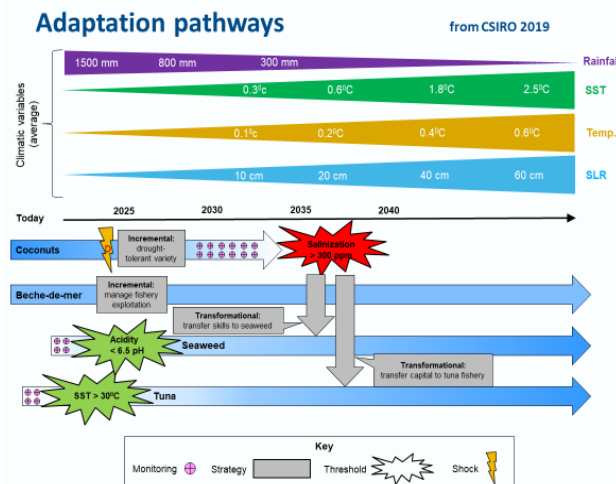
Regions getting organised

- Platforms of scientists, rural professionals, policymakers, farmers and agribusiness.
- Integrating climate change into research and innovation agenda
- Building capability



Farmers getting organised

- Can I absorb the climate change hit?
- Should I change what I grow?
- Should I change how I grow it?
- What investments should I make for the long-term?
- How do I provide for the next generation?



Australia – Objectives as GRA Council Chair

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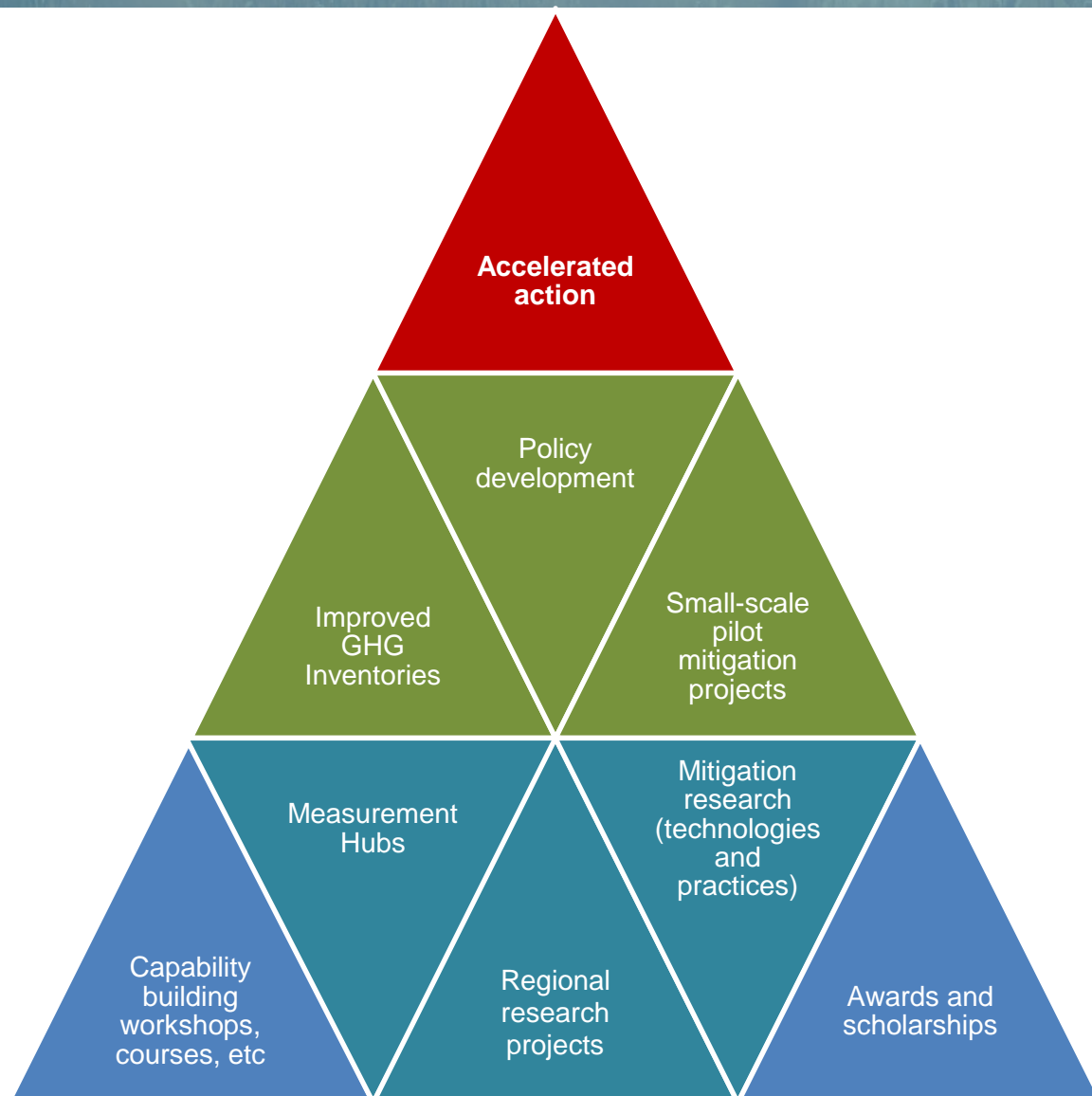
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- Support greater engagement of Pacific Islands countries on the GRA.
- Encourage and support participation of Pacific Islands research institutions in GRA activities to provide their researchers with experience and skills from participation in international research activities.
- Support GRA research into co-benefits between mitigation and adaptation.
- Support institutional capacity building in the Indo-Pacific for the successful implementation of mitigation strategies.

Priority investments and strategic objectives

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- Need to **address tension** between sector's roles and objectives, i.e. nutrition *vis-a-vis* mitigation *vis-a-vis* livelihoods.
- Have to find ways to 'internationalise' science investment to **maximise efficiencies** and facilitate collaboration
- Need to work first within existing systems and provide **evidence base** for action.
- Need to emphasise **co-benefits** for sustainable development to achieve buy-in and remove barriers.
- Need for **scaled-up** resources (public and private) proportional to the scale of the challenge
- Need **long-term** investment to retain human capability and research infrastructure
- More rapid progress in **removing siloes** between research, agriculture, environment and development agencies.



www.globalresearchalliance.org
secretariat@globalresearchalliance.org

FOR MORE INFORMATION

Twitter: @GRA_GHG

<https://globalresearchalliance.org/country/australia/>

<https://www.gracouncilmeeting2021.org/>