



Opportunities in international agriculture at UTAS

Crawford Fund Tas Forum - 10 May 2017

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Independent
Science and
Partnership
Council

CGIAR

- Global research partnership of **15 Centers** – research spans agroforestry, crop improvement, livestock, policies, and water management.
- **CGIAR Research Programs (CRPs)** align the work of the 15 Centers and their partners into coherent, multidisciplinary programs.
- Guided by the Strategy and Results framework, aligned with global development targets:
 - **reduced rural poverty,**
 - **improved food and nutrition security and**
 - **improved natural resources and ecosystem services.**



15 Centres, one vision:

A world free of poverty, hunger and environmental degradation



Africa Rice Center (AfricaRice)
www.africarice.org



International Potato Center
(known by its Spanish acronym CIP for Centro Internacional de la Papa)
www.cipotato.org



International Livestock Research Institute (ILRI)
www.ilri.org



Bioversity International
www.bioversityinternational.org



International Center for Agricultural Research in the Dry Areas (ICARDA)
www.icarda.org



International Rice Research Institute (IRRI)
www.irri.org



International Center for Tropical Agriculture (known by its Spanish acronym CIAT for Centro Internacional de Agricultura Tropical)
www.ciat.cgiar.org



International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
www.icrisat.org



International Water Management Institute (IWMI)
www.iwmi.cgiar.org



Center for International Forestry Research (CIFOR)
www.cifor.org



International Food Policy Research Institute (IFPRI)
www.ifpri.org



World Agroforestry Centre (previously known as the International Centre for Research in Agroforestry, ICRAF)
www.worldagroforestrycentre.org



International Maize and Wheat Improvement Center (known by its Spanish acronym CIMMYT for Centro Internacional de Mejoramiento de Maíz y Trigo)
www.cimmyt.org



International Institute of Tropical Agriculture (IITA)
www.iita.org



WorldFish
www.worldfishcenter.org

- CGIAR's long-term strategic donors support used to provide about US\$ 1 billion per annum
- For every 1 US\$ provided to CGIAR over its lifetime, the return on investments is evaluated at 17 US\$1
- In collaboration with hundreds of partners (national research institutes, civil society organizations, academia, development organizations & the private sector), the CGIAR implements Collaborative, large-scale Research Programs (CRPs) in more than 60 countries
- With its many partners, CGIAR delivers breakthrough discovery research all the way from field data to integrated delivery to combat some of the world's most pressing challenges
- CGIAR genebanks safeguard the world's largest and most diverse crop and forage germplasm, indispensable to future food security



Independent Science and Partnership Council (ISPC)

- A **standing panel of 9 experts** to serve as an independent advisor to the CGIAR System Council.
- Provides the System Council with **independent advice on science, research, and partnership strategies**,
- Enhance the Council's capacity to make **evidence-based decisions** in support of effective agricultural R4D.
- Work streams
 - Foresight and prioritization
 - Program review
 - Science dialogue
 - Agri-food system innovation and partnership
 - Impact assessment

WG lead for developing a framework for QoR4D

Coordination of the 2018 Science Forum



CGIAR

- The CGIAR Fund is a multi-donor trust fund that finances CGIAR research.
- It is administered by the World Bank and governed by the Systems Council.
- The Systems Council is the decision-making body of the CGIAR. It appoints the ISPC who provide independent advice and expertise to all Fund donors.
- This advice is used to approve CGIAR Research Programs and allocate resources.



Australia benefits from doing good

- Australian economists estimate that wheat developed by CIMMYT has increased the value of outputs from the Australian wheat industry by at least \$750 million.¹
- According to a 2013 study from ACIAR, 98% of wheat currently grown in Australia has ancestry originating from CIMMYT's genebank.²

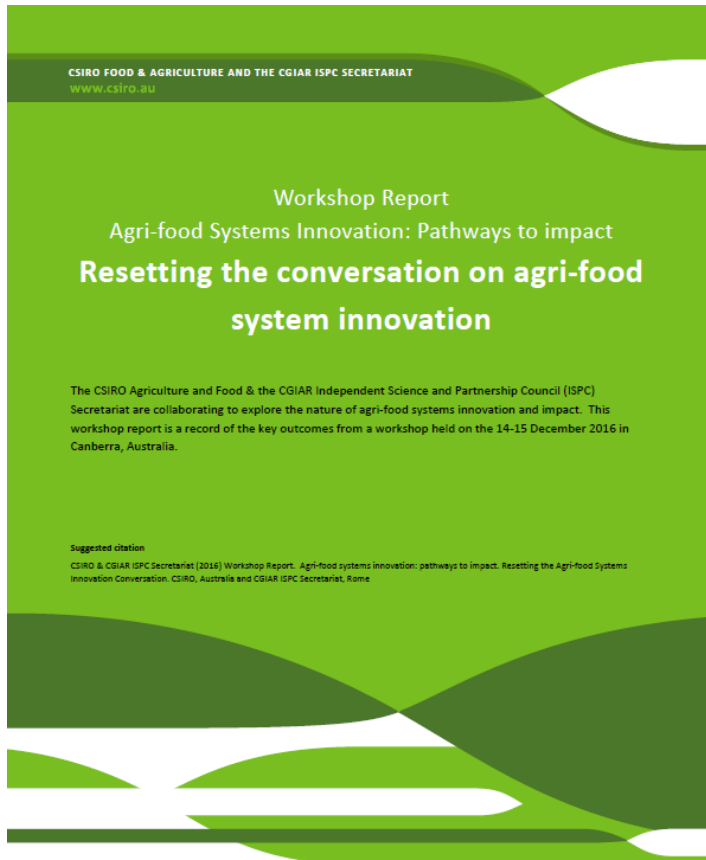
¹ Australian Government, 2012. Australian Multilateral Assessment: Consultative Group for International Agricultural Research (CGIAR)

² Braidotti, 2013. http://aciar.gov.au/files/partners_1309_p27-29_the_international_nature_of_germplasm_enhancement.pdf



CSIRO / ISPC collaboration on Agri-food system Innovation and Partnership

Some examples

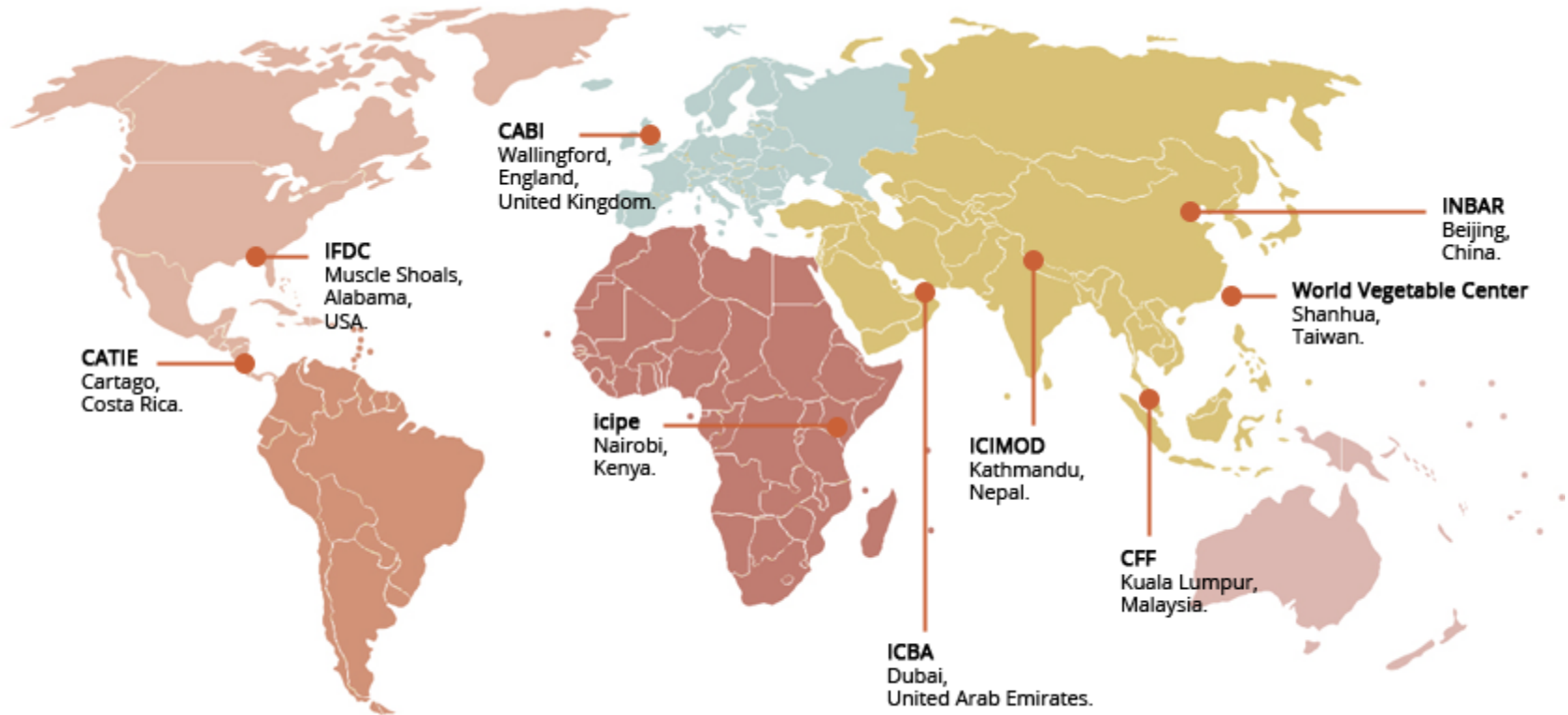


- Stock-take: Linkages between innovation and impact in agri-food systems
- Current support to innovation in agri-food systems: best suited to incremental innovation and impact
- Implications of these findings on research and innovation practices, strategies, and policies needs urgent attention

Impacts of CGIAR research

- Improved varieties cultivated on 35% of the area in Sub-Saharan Africa in 2010.
- For ten crops with benchmark data, adoption rose from 25% in 1998 to 44% in 2010 (annual gain of 1.45% over the 13 year period).
- 65% of the varietal adoption originated in CGIAR-related materials.
- Long time lags in adoption: something to consider in the context of shorter funding cycles for research and the demand for impact.
- Difficult to find strong evidence with a single study that covers the causal chain from new technology to long-run poverty impacts.

... but there is more: AIRCA*, a group of 'non-aligned' centers that nonetheless work closely with the CGIAR and other partners



* Association of International Research and Development Centers for Agriculture - Transforming rural livelihoods and landscapes: sustainable improvements to incomes, food security and the environment.

Scope for UTAS – CGIAR, AIRCA and ACIAR partnerships

- ACIAR as a core partner in agricultural R4D
- Further highlight our unique capabilities in temperate climate agriculture
- Continue partnerships with individual Centers and CRPs
- PhD programs and scholarships in partnership with CGIAR / AIRCA / ACIAR
- Exposure of undergraduates to the global agricultural R4D agenda
- Joint proposal developments
- Student and staff exchanges



Thank you for your attention!

Questions welcome now or at:

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