



Co-operative Research Programme:
Sustainable Agricultural and Food Systems



Food and feed for the future

Lyon, France, 1 September 2023

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Co-operative Research Programme: Sustainable Agricultural and Food Systems

3 Themes

**Managing
Natural Capital for
the Future**

**Managing Risks in a
Connected World**

**Transformational
Technologies and
Innovation**

Fellowships

Conferences

Generating New Approaches & Sharing Knowledge through International collaborations

Outcomes & Impacts – ways forward challenged by Climate Change,
Peak Population (8B) & Food Security

Goal: Sustainable Green Growth impacts



CRP Research Themes

2021-2025:

1. **Managing Natural Capital** - how to manage natural capital by making secure the availability and managing the quality of natural resources

2. **Strengthening Resilience in the Face of Multiple Risks in a Connected World** – Biosecurity, short and long-term climate risks impacting on the potential of agricultural systems to achieve food and fibre security.
 - i. *Risk assessment*
 - ii. *Invasive Species and Biosecurity*
 - iii. *Food safety*
 - iv. *Emerging Diseases*
 - v. *Antimicrobial resistance*
 - vi. *Climate risks to production*

1. **Transformational Technologies and Innovation** - agriculture and food system has a long history of innovating and adopting new technologies to increase productivity, manage risk and improve environmental, social and economic sustainability

- Full descriptions of the themes and the priority areas are available on the CRP website

Food and feed for the future – SAB comments

The conference is organised as a one-day side-event of the World Congress on Animal Science, but the SAB was satisfied that this event met the CRP criteria.

The conference is relevant in relation to the CRP aims and the CRP Theme 2 objectives.

It is scored as highly feasible, politically relevant with a good geographical balance. The dissemination plan could be improved

Food and feed for the future

ALIGNMENT TO THEME II - Strengthening Resilience in the Face of Multiple Risks in a Connected World

- How to agri-food systems must evolve towards sustainability and resilience to ensure nutritional food security?
- What are the major system transformations required?
- Alternative diversified protein sources for sustainable food systems - insects, yeast, and microalgae?

Scoping questions:

- How to meet global protein need?
- Is microbial bioproduction a viable business?
- Modern nutritional approaches to healthy production systems?
- Future socio-economically sustainable agricultural systems?
- Ethical/societal acceptability microbial bioproduction?



Co-operative Research Programme

- Founded in 1978
- By a group of countries who saw the needs for a body which would:
 - Provide a sound scientific knowledge base to agricultural policy-making
 - Contribute to an informed public debate on current and emerging agri-food issues
 - Promote scientific understanding and standards between major regions of OECD
- “Opt-in” Programme for countries (Part II)
 - It is not part of the OECD ‘core’ program, but countries have to contribute annually with an extra financial budget to participate



CRP Member Countries



Australia



Austria



Belgium



Canada



Chile



Colombia¹



Czech Rep.



Denmark



Estonia



Finland



France



Germany



Hungary



Ireland



Israel



Italy



Japan



Korea



Latvia



Lithuania



Netherland



New Zealand



Norway



Slovak Rep.



Spain



Sweden



Switzerland



UK



US

1. From 1 August 2023



Synergies with other OECD Bodies

Link is very important because the Programme has to inform the policy community about science issues in agriculture, food, fisheries and forests

Served by the Trade and Agriculture Directorate (TAD) of the OECD

- TAD: provides policy analysis and advice to help governments develop trade, agriculture and fisheries policies that contribute to more inclusive and sustainable growth
- Committee for Agriculture
 - Working Party on Agricultural Policies and Markets
 - Joint Working Party on Agriculture and the Environment
 - Global Forum on Agriculture
 - Joint Working Party on Agriculture and Trade
 - OECD Codes and Schemes
- Committee for Fisheries



Other Bodies

- Working Group on the Harmonisation of Regulatory Oversight in Biotechnology
- Task Force for the Safety of Novel Food and Feeds
- Working Group on Pesticides
- Working Party on Biodiversity, Water and Ecosystems
- Global Forum on Biotechnology (Environment Policy Committee)
- Working Party on Biotechnology (Directorate for Science, Technology and Industry)

CRP – WHAT WE DO



CRP Fellowship Awards

- Individual researchers:
 - To undertake their own research project
 - In collaboration with a host researchers and laboratory
 - In different CRP member country
- To strengthen the international exchange of ideas and increasing international mobility and co-operation
- To foster long term collaboration between the institute of the Fellow and of the Host
- 6-26 weeks
- Minimum of 4 years' post-doc experience



CRP Fellowship Awards - Outputs

Outputs required by the CRP for their funding:

- An evaluation questionnaire completed by the fellow
- An evaluation questionnaire completed by the host
- A summary report from the fellow within 2 months of the end of the fellowship
- Acknowledgement of the CRP funding in any papers published as a result of the fellowship
- A copy of the papers to be sent to the CRP Secretariat



International Events

- International conferences, workshops, symposia, congresses, etc.
- On an issue related to one of the CRP Research Themes
- Of relevance to the OECD's policy priorities
- Current and future research, scientific developments and opportunities
- Informing policy makers, industry and academia (organised by, for example, research institutions, international associations)
- To be held in a CRP participating country



International Events - Outputs

Outputs required by the CRP for their funding:

- An evaluation questionnaire completed by participants
- A report from the event organiser(s)
- Event proceedings



2023 CRP-Sponsored Events

Reducing nitrogen losses and greenhouse gas emissions from arable agriculture: How can new modelling concepts help?	1	May 2023	Garmisch-Partenkirchen, Germany
International workshop on innovative hydrothermal systems to valorize agricultural residuals: Roadmap towards implementation - achievements and barriers	1 & 3	May 2023 (postponed from 2021)	Seoul, Korea
Antimicrobial use and resistance in livestock production in a One Health context	2	May 2023	Edinburgh, UK
Drone Spraying of Pesticides	1, 2, 3	May 2023	York, UK
Sustainability in Agriculture & Food Systems – Innovation, Indicators and Implementation	1, 2, 3	May 2023	Brussels, Belgium
The future role of ley-farming in cropping systems	1	June 2023	Vilnius, Lithuania
Beyond Growth: Fishing for the Future	2	June 2023	Edinburgh, UK
Food and feed for the future	2	September 2023	Lyon, France
Combatting antimicrobial resistance using bacteriophages for eco-sustainable agriculture and food systems	2	September 2023	Valencia, Spain
Ecosystem Based Fisheries Management (EBFM) in lobster and crab fisheries	1, 2, 3	October 2023 (postponed from 2020)	Fremantle, Australia



Selection Process

- Selection process is principally the same for both events and fellowships
- The Scientific Advisory Body (SAB) (October/November)
 - Six scientists and research administrators
 - Examines all applications for scientific quality
 - Recommends the events and fellowships for sponsorship
- The Governing Body
 - One from each CRP Member country
 - Final approval of sponsorships according to SAB's recommendations and policy relevance of the applications (Beginning December)

CRP – WHAT WE'VE DONE



CRP sponsored Events

- 2010 – 22 applications; 9 events sponsored (40.9%)
- 2011 – 24 applications; 10 events sponsored (41.6%)
- 2012 – 15 applications; 10 events sponsored (66.6%)
- 2013 – 22 applications; 9 events sponsored (40.9%)
- 2014 – 26 applications; 7 events sponsored (26.9%)
- 2015 – 26 applications; 9 events sponsored (34.6%)
- 2016 – 26 applications; 8 events sponsored (30.8%)
- 2017 – 22 applications; 8 events sponsored (36.4%)
- 2018 – 22 applications; 8 events sponsored (36.4%)
- 2019 – 16 applications; 9 events sponsored (56.3%)
- 2020 – 20 applications; 8 events chosen for sponsorship (40%) (COVID-19 year)
- 2021 – 12 applications; 8 events chosen for sponsorship (66.66%) (COVID-19 year)
- 2022 – 6 applications; 4 events sponsored (66.66%) (COVID-19 year)
- 2023 – 20 applications; 8 events being sponsored (40%)



CRP Fellowships

- 2010 – 82 applications; 36 Fellows (43.9%)
- 2011 – 82 applications; 33 Fellows (40.2%)
- 2012 – 70 applications; 37 Fellows (52.8%)
- 2013 – 61 applications; 25 Fellows (40.9%)
- 2014 – 69 applications; 32 Fellows (44.9%)
- 2015 – 70 applications; 26 Fellows (37.1%)
- 2016 – 62 applications; 29 Fellows (46.7%)
- 2017 – 60 applications; 30 Fellows (50%)
- 2018 – 54 applications; 21 Fellows (38.9%)
- 2019 – 53 applications; 20 Fellows (37.7%)
- 2020 – 54 applications; 19 Fellows (35.2%) (many postponed because of COVID-19)
- 2021 – 35 applications; 18 Fellows (51.4%) (applications during COVID-19 year)
- 2022 – 52 applications; 25 Fellows (48.1%)
- 2023 – 47 applications; 18 Fellows (38%)



Funding Amounts

In 2023:

- Are just indications
- Average of about 28 400€ per event
- Ranging from 12 800€ to 41 130€
- Fellowship awards range from 4 465€ to 19 265€



The Call for Applications for Funding in **2024** will be open until
10 September 2023

The Call for Applications for Funding in **2025** will be open
from **April 2024** until
10 September 2024



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Thank you!



www.oecd.org/agriculture/crp

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**Don't forget to fill in the
CRP Evaluation Questionnaire!**

