



STAR-IDAZ
International Research
Consortium on Animal Health

STAR-IDAZ IRC update

May 2022

IRC Objective and Deliverables

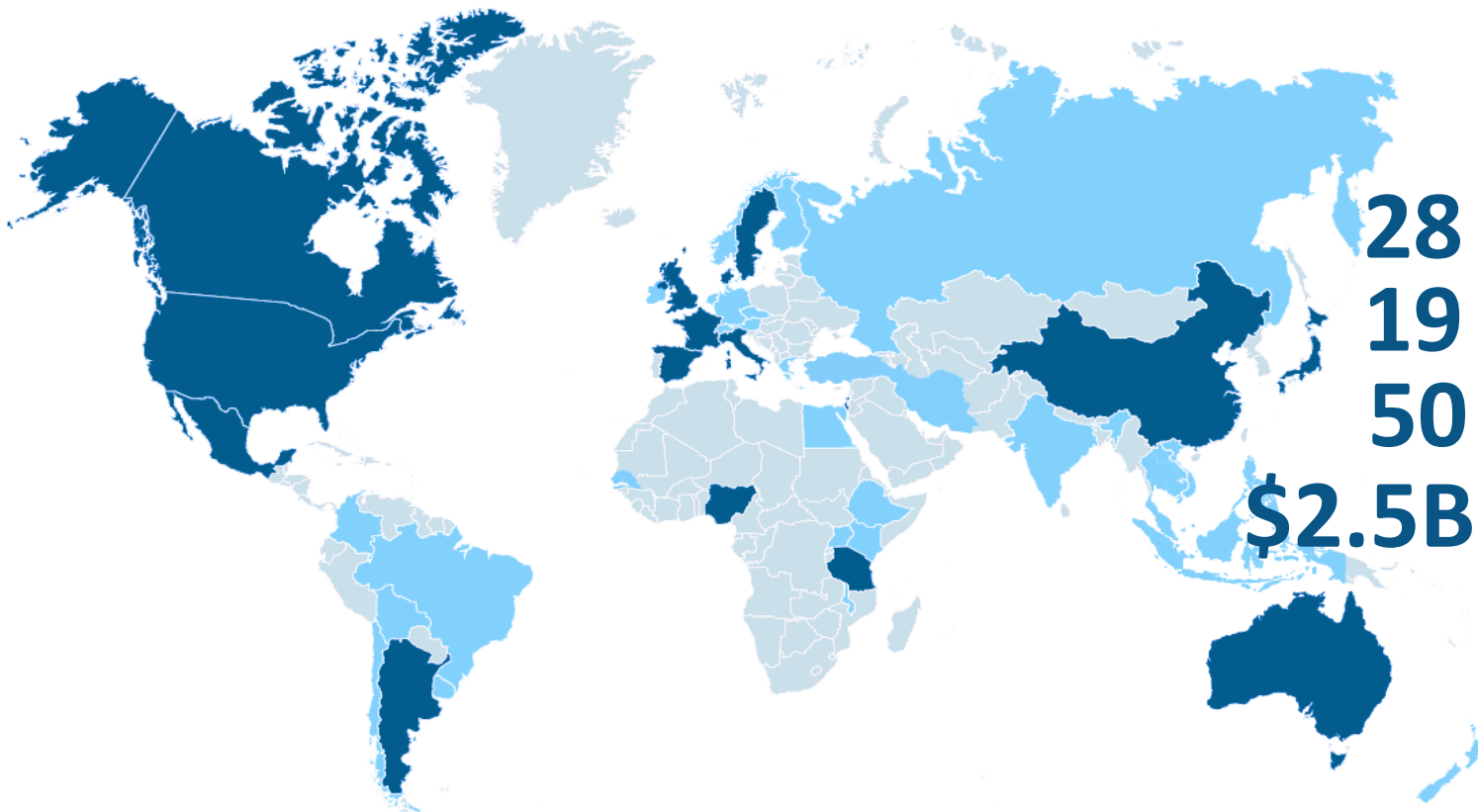


Objective: To coordinate research at international level to contribute to new and improved animal health strategies for at least 30 priority diseases/infections/issues

Deliverables:

- Candidate vaccines
- Diagnostics
- Therapeutics
- Other animal health products and procedures
- Key scientific information/tools to support risk analysis and disease control

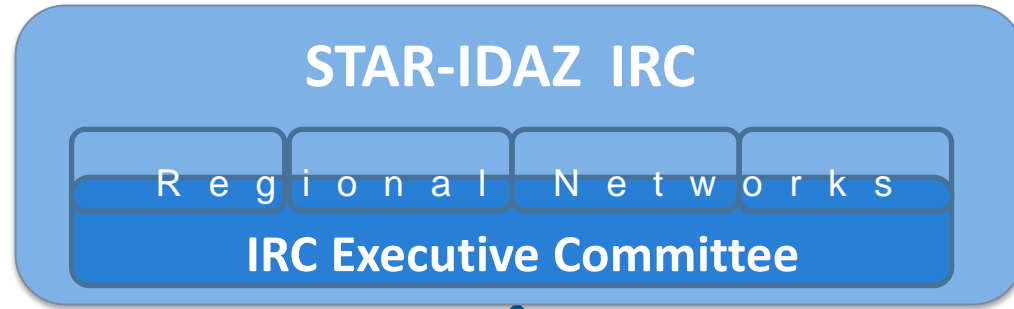
STAR-IDAZ IRC Membership



Partner organisations
Member countries
Associated countries
Research investment



Governance Structure



Department for Environment Food & Rural Affairs



Working Groups

Immunology Vaccinology	Diagnostics	Influenza	AMR and the Dev. of Innovative Alternatives
ASF	Vector-borne diseases	Brucellosis	Bovine Tuberculosis
FMD	Emerging Issues	One Health	Coronaviruses
Mastitis	Animal genetics/genomics	Foresight	Epidemiology
Helminths	Porcine Respiratory Disease Complex	PRRSV	????

Support for the International Research Consortium on Animal Health (**SIRCAH2**)



SIRCAH is funded until September 2022, funding applied for under Horizon Europe

HORIZON-CL6-2022-FARM2FORK-01-16: Support for international research on infectious animal diseases

Considering the transboundary nature of infectious animal diseases and related issues such as anti-microbial resistance, providing support to the work of the STAR-IDAZ International Research Consortium (IRC) will facilitate international coordination of research in these domains.

Proposal submitted: 23 February

Coordinator: Defra

Partners: CABI, OIE, Kreavet, BBSRC

Technical lead: Johannes Charlier

SIRCAH2 Objectives



1. Organise meetings and prepare documents of the IRC ExC, SC, RNs and WGs on priority topics.
2. Assist the SC and WGs in organising **research gap analysis and developing research roadmaps** to help with alignment of research programmes.
3. Maintain the STAR-IDAZ IRC website including roadmap and project databases.
4. Produce and disseminate reports on roadmaps and priority research gaps.
5. Engage with IRC and the wider research and stakeholder community, building confidence in and support for the IRC objectives and activities.
6. Facilitate **engagement with industry** to scale up from idea to product.
7. Monitor the uptake of the identified research gaps by IRC partners.
8. Reach out to additional animal health funders and programme owners to **grow the IRC and Regional Networks**.
9. Monitor animal health research programmes and promote the uptake of IRC research priorities.

Executive and Scientific Committee Meetings



1 March 2022:

Updated members on and discussed activities relating to African Swine Fever, influenza, Alternatives to Antibiotics, Emerging Issues, bTB, One Health working groups;

Got updates on members' activities, European PAHW and ICRAD call

25 January 2022:

Updated members on and discussed activities relating to influenza, Alternatives to Antibiotics, Vaccinology, vector-borne diseases, African Swine Fever, and Emerging Issues working groups.

Regional Networks



European Regional Network (European Animal Health and Welfare Research CWG) – 9th November 2021, 12th May 2022

Americas Regional Network meeting alongside the PANVet meeting on the 24th – 26th November 2021

Participation from Argentina, Canada, CaribVET and Mexico

Asia and Australasia Regional Network – 14th December 2021

Participation from China, Japan and Australia

Africa and Middle East Regional Network meeting – 11th January and 10th May 2022

Participation from Algeria, Iran, Israel, Kenya, Nigeria, Senegal, South Africa, Uganda, ILRI, World Bank and AU-IBAR

Influenza



- USDA Gap analysis (2013), OFFLU Research Agenda (2014), EU-supported Research Gap analysis (2015)

IRC published a [review of achievements and developments](#) in veterinary influenza in June 2021

- Including ongoing research updates from scientists in the field

Next step: gap analysis workshop at National Animal Disease Center in Ames, Iowa, USA 14-16 June 2022

2021 Animal Influenza Research Review

Compiled and written by

Drs Lucy Robinson, Daniel Ackerman & Robert Phillips of

 **INSIGHT** EDITING LONDON

Commissioned by



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 **USDA** Agricultural Research Service
U.S. DEPARTMENT OF AGRICULTURE



Vaccine Platforms



IRC commissioned review of vaccine platforms published in Vaccine in April 2022

[Applications of platform technologies in veterinary vaccinology and the benefits for one health](#)

Authors: Gary Entrican (Roslin Institute, Scientific Committee) and Mike Francis (BioVacc Consulting)

- Key technological advances to underpin vaccine design
- Defines vaccine platform technologies
- Discusses context of veterinary vaccinology and the global One Health agenda

Next step: Organise a follow up meeting with key experts working on the various technologies to identify knowledge gaps

African Swine Fever



IRC published a [review of achievements and developments](#) in African Swine Fever research in March 2022

- Review progress since 2015 gap analysis
- In collaboration with USDA and Global ASF Research Alliance (GARA)
- Including ongoing research updates from scientists in the field



GARA Scientific Meeting

24-26 May 2022

Dominican Republic

Meliá Caribe Beach Resort



CRDFGLOBAL

UK-International Coronavirus Network



UK-ICN launched in October 2021

- £500,000 funding over four years funded by BBSRC and Defra
- SIRCAH on Management Committee

Aims of UK-ICN:

- Provide a community gateway, including a network of networks with the inclusion of UK and international bodies (FAO/OIE/WHO)
- Facilitate and co-ordinate interactions between members
- Foster cross-fertilisation of ideas, providing expert perspectives to identify knowledge gaps
- Create research opportunities and build an evidence-based roadmap
- Ensure the longevity of coronavirus research
- Disseminate and preserve knowledge to better combat future emerging coronaviruses