



## Message from Chair

First and foremost, I would like to thank the International Livestock Research institute (ILRI) for welcoming the STAR-IDAZ International Research Consortium (IRC) to their beautiful campus in June for a fruitful Executive Committee meeting. In the past three years, due to COVID-19, we have not had many face-to-face meetings. Some colleagues have retired or left during this period – they produced excellent work for STAR-IDAZ and we thank them for their contribution. Some new colleagues have also joined STAR-IDAZ, and you are most welcome. We all understand that the STAR-IDAZ IRC was established to coordinate research activities at the international

level, to speed up the development of new and improved animal health strategies for priority diseases/infections/issues of animals, to deliver improved control tools and strategies, including candidate vaccines, diagnostics, therapeutics and other animal health products and procedures and/or key scientific information with tools to support risk analysis and disease control for at least 30 priority diseases.

In March 2019, in Beijing, I was elected as the chair of STAR-IDAZ. Time is flying, three years have passed already. In these three years, many meetings (regional network meetings, scientific meetings, executive meetings), have been organized with most of them virtual due to COVID 19. Since establishment, the STAR-IDAZ IRC has provided members, as well as other animal health stakeholders, with an overview of the existing opportunities to speed up research, to boost collaboration in the sector, and to provide an overview of the latest discoveries on priority animal health diseases. Overall, all these works have supported the decisions of policy makers and research funders, to accelerate coordinated development of control methods at the international level. These successes would not be possible without the contribution of every stakeholder within the STAR-IDAZ IRC.

Today, we are still confronted by many challenges related to animal health. The COVID-19 pandemic negatively impacted the whole world. Many important diseases, such as ASF, FMD, avian influenza, ticks and tick-borne diseases, and AMR are threatening livestock, food safety and security. Many research gaps are waiting to be filled and a lot of coordination and cooperation is needed from us. These issues are our targets and priorities to solve.

## Hong Yin

Chair, Executive Committee, IRC



Members of the STAR-IDAZ IRC Executive Committee and Secretariat at the International Livestock Research Institute (ILRI), Nairobi, for the meetings in June.

## Executive Committee

The STAR-IDAZ IRC Executive Committee is made up of representatives from each of the 30 members of the IRC. They oversee the direction of the consortium and agree its activities to facilitate the coordination of research on animal health. The Executive Committee have agreed to coordinate research funding strategies, promote support for STAR-IDAZ IRC objectives, and share information between the members.

The IRC Executive Committee meeting was held on 13-14 June 2023 at the International Livestock Research Institute (ILRI) Nairobi Campus, Kenya. This was the first in-person meeting of the Committee since 2019. Dr Hong Yin, Director General of the Lanzhou Veterinary Research Institute and STAR-IDAZ IRC Chairperson, welcomed all participants before Professor Appolinaire Djikeng, Director General of ILRI, opened the meeting and provided an overview of ILRI. The meeting heard that the Secretariat to STAR-IDAZ IRC had received a further four and half years of funding until March 2027. Dr Wim van der Poel, as STAR-IDAZ Scientific Committee Chair, reported on the Scientific Committee meeting held the previous day (12 June) and made recommendations. Participants heard that USDA National Institute of Food and Agriculture (NIFA) and the Norwegian Veterinary Institute would be joining STAR-IDAZ IRC. The recent activities of the STAR-IDAZ Network were presented and progress discussed, including the four Regional Networks and the active Working Groups: influenza, One Health, AMR and Alternatives to Antimicrobials, African Swine Fever, bovine tuberculosis, coronaviruses, diagnostics, helminths, mycoplasmas and contagious bovine pleuropneumonia (CBPP), vaccinology, and vector biology and disease transmission. Other topics covered included industry engagement and innovation accelerator workshops, research calls from IRC members, new priority topics, and international engagement strategies.

## Scientific Committee

The Scientific Committee met on 12 June 2023 at the ILRI Campus, Nairobi, Kenya. The meeting was chaired by Prof Wim van der Poel. The meeting reviewed the progress of the Working Groups, required next steps and development of the research roadmaps. This included activities of the Working Groups for Influenza, One Health, AMR and Alternatives to Antimicrobials, African Swine Fever, Bovine Tuberculosis, Coronaviruses, Diagnostics, Helminths, Vaccinology, and Vector Biology and Disease Transmission. It was agreed a Mycoplasmas Working Group should be formed, to build on the activities around contagious bovine pleuropneumonia and develop a broader roadmap on mycoplasmas. Other topics discussed were new priority topics, the online roadmap platform and member representation in the Working Groups. The Committee made a number of recommendations to the Executive Committee, which were presented and discussed at the STAR-IDAZ IRC Executive Committee meeting (13-14 June 2023).

The Scientific Committee, Secretariat and wider STAR-IDAZ Network thank Prof Edwin Claerebout (Ghent University), who steps down from the Committee, for his commitment and contributions to the Scientific Committee over the six years since it was established.

# Regional Networks

The STAR-IDAZ Regional Networks (for Africa & the Middle East, the Americas, Asia & Australasia, and Europe) facilitate regional cooperation and coordination by identifying common research priorities in the region, opportunities for sharing resources including access to samples, specialised facilities and expertise, and international or regional funding opportunities.

## Africa and the Middle East Regional Network

The Regional Network for Africa and the Middle East met on 16 January 2023 by webinar, with participants from Algeria, Ethiopia, Iran, Israel, Kenya, Morocco, Nigeria, Senegal, South Africa, Tanzania, Uganda, and representatives from SEBI Livestock (Centre for Supporting Evidence-Based Interventions in Livestock) project, Hester Biosciences, International Development Research Centre (IDRC), Enhancing Research For Africa Network (ERFAN), WOAHA Regional Office, GALVmed, and the International Livestock Research Institute (ILRI). Network members were updated on the recent activities of STAR-IDAZ IRC and Working Groups. Dr Youness El Wahli presented on the antimicrobial resistance surveillance approach in animal and food chains in Morocco. This was followed by country reports from each participant, reporting on the animal health priorities, research and challenges in their organisation and country. To end the meeting a number of funding opportunities in Horizon Europe Work Programme 2023–2024 were presented.

## Americas Regional Network

The Regional Network for the Americas met by webinar on 17 March 2023, to discuss regional priorities and challenges. Participants from Argentina, Chile, Cuba, Mexico, USA, Uruguay, and CaribVET (Caribbean animal health network) were given an overview of the STAR-IDAZ IRC background, its structure, and updates on relevant Working Groups. Next, members gave country report presentations on their organisation's research activities and country priorities. The Network then discussed opportunities for collaboration and possible events to align the next Regional Network meeting with. A representative of the ICRAID (International coordination of research on infectious animal diseases) network presented details of the third ICRAID call, which went live on 3 April 2023.

The next meeting of the Regional Network will be held in-person as a pre-conference workshop on 22 August 2023, alongside XXVI Latin American Congress on Microbiology (ALAM Congress) in Quito, Ecuador.

Congratulations to Dr Ariel Pereda (Coordinator of Animal Health National Program at National Institute of Agricultural Technology, Argentina) who has been unanimously elected as the new Chair of the Americas Regional Network.

## Asia and Australasia Regional Network

The Asia and Australasia Regional Network met on 4 April 2023 by webinar, with representatives of Australia, China, India, Japan, and the WOAHA Regional Offices participating. There was an overview of the background and structure of STAR-IDAZ IRC and updates of recent activities of the Working Groups. Regional network members gave country reports, to highlight research focus and challenges in their country followed by discussions of the regional priorities. The Network identified any opportunities for collaboration and were updated on the ICRAID third Call.

The next meeting of the Regional Network for Asia and Australasia will be held by webinar in October 2023.

## European Network: SCAR Collaborative Working Group on Animal Health and Welfare Research (CWG-AHW)

The SCAR CWG on Animal Health and Welfare Research operates as the STAR-IDAZ Regional Network for Europe. The Network met in Vienna, Austria on 4-5 May 2023, with participation from representatives of Austria, Belgium, France, Greece, Italy, the Netherlands, Poland, Spain, Turkey and UK, as well as guests from Ukraine, Slovakia, Czech Republic and Hungary. Meetings of the Strategic Foresight Unit and the Animal Welfare Subgroup were held on the previous day. At the plenary meeting, there were updates from the subgroups, the ICRAID ERA-Net and STAR-IDAZ IRC. The members discussed the strategy for the CWG AHW and the European Partnership for Animal Health & Welfare (PAHW). This was followed by presentations from the meeting guests. The next meeting of the European Network will be held as a virtual webinar in autumn 2023.

## AMR and ATA

The [Executive summary on Alternative to Antibiotics research needs](#) is available on the STAR-IDAZ website. The research roadmaps are based on results from several workshops held since 2019, each one progressing the previously agreed findings culminating in the development of research roadmaps (see [report](#)). The STAR-IDAZ ATA roadmaps were mentioned by WOAHA DDG, Monsterrat Arroyo Kuribrena, as specific animal health research priorities at the presentation of the [One health priority research agenda for AMR the 28th of June 2023](#).

Moreover, the STAR-IDAZ ATA roadmaps will open regional perspective discussions at the workshop that will be held on 22 August in Quito, Ecuador, as a pre-congress event of the [Latin American Association of Microbiology Congress \(ALAM\) 2023](#).

The workshop will be co-organised with the support of the STAR-IDAZ Regional Network of Americas and the [EU-AMR Americas Project](#), focused on strengthening AMR control in the Americas region. The aims will be to encourage regional and international AMR research coordination and collaboration in the animal health sector to promote ways to better coordinate AMR-related research. The main findings of this workshop will be presented during the ALAM Conference in a special session allocated to WOAAH by the organisers providing visibility to the EU AMR Americas Project and STAR-IDAZ IRC Network.

## ASF

The Global African Swine Fever Research Alliance (GARA), functioning as the STAR-IDAZ IRC Working Group for African Swine Fever (ASF), has taken proactive measures to address ASF challenges through strategic initiatives. The STAR-IDAZ IRC website hosts three [ASF Roadmaps](#) aimed at crucial areas such as control strategies, diagnostic tests, and candidate vaccines based on a gap analysis in 2018 and validated by GARA in 2020. In March 2022, the STAR-IDAZ IRC [African Swine Fever Research Review](#) was published in collaboration with the Agricultural Research Service, United States Department of Agriculture (USDA), and GARA. This comprehensive review showcased significant progress and developments in ASF research since the 2018 gap analysis, while addressing remaining research gaps. Incorporating current updates from engaged scientists, it offered an unbiased global overview of ongoing efforts.

GARA has been pivotal in organizing scientific meetings and workshops to facilitate collaboration and knowledge exchange. The GARA Scientific Meeting in May 2022 in the Dominican Republic featured sessions and discussions on gap analysis, along with a regional coordination workshop in the Americas. Building on this success, the GARA Africa workshop took place in Kampala, Uganda 7-9 February 2023, identifying critical knowledge gaps related to ASF in Africa. Looking ahead, GARA remains committed to addressing research gaps, preparing for an upcoming Asia workshop in the Philippines, scheduled for December 2023, to identify and tackle vital knowledge gaps specific to Asia. STAR-IDAZ IRC actively collaborates with GARA to update the ASF research roadmaps, based on insights from these productive meetings. This collaborative approach emphasizes the importance of international partnerships in combating ASF and reaffirms STAR-IDAZ's dedication to supporting innovative research and strategies in the ongoing fight against this devastating disease.

## Influenza

The [Influenza research roadmaps](#), highlighting areas where research efforts need to be focused, are available on the STAR-IDAZ IRC website together with the [Executive Summary](#). They are the results of shared efforts of top influenza experts belonging to different networks around the globe. David E. Swayne, who co-lead the control strategy [workshop](#), was awarded the '[Meritous Award 2023](#)', during 'The Animal Health Forum' of the 90th WOAAH Annual General Session. This annual award is given to someone in recognition of their scientific, technical and administrative

contribution to the control of animal disease. The roadmaps were validated during three [workshops](#), held in January and February 2023, respectively dedicated to research roadmaps for control strategies, diagnostics and vaccine development for influenza. As with all STAR-IDAZ roadmaps, they were built through a participative approach eliciting expert' opinions in several steps. More specifically, the roadmaps are based on research gaps identified during a previous workshop held on 14-15 of June 2022 at the National Animal Disease Centre in Ames, Iowa, where expert opinion and review of current research and control measures, alongside knowledge of on-the-ground countermeasures, were collected starting with discussions of the [STAR-IDAZ influenza research review](#). SIRCAH is continuing to collect research projects on influenza to keep mapping current research efforts.

## bTB

Bovine tuberculosis (bTB) holds a prominent place among the priorities of the STAR-IDAZ IRC. With the support of UKRI-BBSRC and Defra UK, a highly productive workshop was conducted in Birmingham, UK on February 28th, 2023. Esteemed experts from around the world, specializing in bTB diagnostics, vaccines, epidemiology, and host-pathogen interactions, convened to address the challenges posed by this disease. The workshop fostered fruitful discussions and yielded invaluable insights that will shape our future activities. During the workshop, experts explored the challenges of tackling bTB, with a focus on diagnostics, control strategies, and vaccines. Recognizing the need for economically viable solutions that directly benefit farmers and their families, the group emphasized the importance of a context-specific approach. The workshop participants highlighted the significance of prioritizing ideas that can have a tangible impact within the next 10-15 years.

The insights gained from the workshop will serve as a guiding framework for future activities, ensuring that our efforts are contextually appropriate and focused on achieving a fairer future. A [summary of the workshop](#) was published on the STAR-IDAZ website, full research roadmaps based on the workshops are under development.

## Coronavirus

STAR-IDAZ IRC with the support of the UK International Coronavirus Network (UK-ICN), started activities to develop research roadmaps for coronaviruses. A workshop aimed at identifying research gaps in coronaviruses was recently co-organized with the UK-ICN and it was held back-to-back to the [International Conference on Livestock, Companion Animals and Wildlife coronaviruses, Belfast 25-26 May 2023](#). Linfa Wang and Wim van der Poel of the STAR-IDAZ Scientific Committee closely followed the developments and implementation of the activities.

More than 60 international coronavirus experts of different disciplines from eleven countries participated in the research gap analysis workshops. Cyril Gay (USDA, STAR-IDAZ IRC Member) and Valeria Mariano (WOAH, STAR-IDAZ Secretariat) introduced the session, presenting the STAR-IDAZ IRC and its roadmaps. Moderators facilitated

discussions utilizing the World Café method. Participants were divided into three groups focusing on: 1) vaccines and therapeutics; 2) diagnostics and surveillance; 3) Epidemiology. Discussion points were selected departing from results of the pre-workshop survey. The survey, circulated before the workshop among the participants and the UK-ICN network, collected information on State-of-the-Art research, challenges and possible solution routes from 56 respondents located in 21 countries. A [report of the workshop](#) is available.

The results of the workshops will inform the development of STAR-IDAZ IRC coronavirus research roadmaps for disease control strategies, diagnostic tools and vaccine development.

## One Health

The STAR-IDAZ IRC has launched a new collaborative One Health Working Group in partnership with GloPID-R (Global Research Collaboration for Infectious Disease Preparedness). This global alliance aims to foster the development and enhancement of a unified, multisectoral, and transdisciplinary approach to infectious diseases research and innovation, based on the One Health concept. Comprising 25 experts, researchers, funders, and industry representatives from diverse sectors such as veterinary, public health, social science, and environmental studies, the working group also includes members from established One Health networks. With the terms of reference now finalized, the group's immediate focus is on conducting a comprehensive mapping exercise to identify achievements, challenges, and gaps at global and regional levels. This exercise will ensure active collaboration with existing One Health networks and facilitate the establishment of a collaborative working framework within the One Health framework. The anticipated outcomes of this initiative include the identification of priority One Health research needs and the provision of recommendations for coordinated funding through gap analysis activities.



Breakout discussions at the contagious bovine pleuropneumonia workshops.

## Mycoplasmas

The [Veterinary Mycoplasmas Research Report](#) was published in July 2023, and it is available on the STAR-IDAZ IRC website. (The report, produced in collaboration with the United States Department of Agriculture - Agricultural Research Service (USDA-ARS), describes research developments into veterinary mycoplasmas over the last 10 years, and identifies the gaps in research, highlighting areas in which future research effort and funding would be beneficial and could be targeted for maximum impact and minimum duplication of effort. The section on contagious bovine pleuropneumonia (CBPP) caused by *Mycoplasma mycoides* subsp. *mycoides* and *Mycoplasma bovis* were funded by the USDA-ARS, while STAR-IDAZ funded further sections on the other mycoplasmas.

The 2023 Veterinary Mycoplasmas Research Report was used to inform a series of workshops held on 26-28 June 2023 at Hinxton Hall, Cambridge. Funded by USDA-ARS in collaboration with STAR-IDAZ IRC, the workshops focused on the research gaps in CBPP - the continuing spread of CBPP represents a real and immediate threat to livestock keepers in sub-Saharan Africa, alongside the risk of the disease spreading to other countries. Experts from around the world took part in workshops providing valuable insight from their experience and ongoing research. Breakout discussions focused on identifying the gaps in CBPP research which were presented at the International Organization for Mycoplasmaology (IOM) Congress in Japan July 16-20, 2023.

Mycoplasmas are a STAR-IDAZ IRC priority area, and a working group will be formed later in the year. The findings of the Research Review and CBPP workshop will be utilised to develop mycoplasma research roadmaps through future working group activity.

# Vaccinology

Gary Entrican (member of the STAR-IDAZ IRC Scientific Committee) and Michael James Francis, have published a review on the application of platform technologies in veterinary vaccinology in [Vaccine](#). The article explores the latest technological advancements driving vaccine design, defines vaccine platform technologies, and highlights their profound relevance to global veterinary vaccinology and the One Health agenda.

A workshop, titled “Platform Technologies for Veterinary Vaccines Against Bacterial Diseases,” will be held on November 17th, 2023 alongside the [13th International Veterinary Immunology Symposium](#) in South-Africa. The primary goal of this workshop is to identify gaps in veterinary vaccinology for bacterial diseases and opportunities to address these gaps in a One Health approach, to consider target product profiles for Technology Readiness Levels for Animal Health (TRLAH) during different research stages, and prepare a positional report with research recommendations.

# Vector Transmission and Control

On March 28, 2023, the STAR-IDAZ IRC organized a scientific workshop in Weimar, Germany, focused on controlling the transmission of vector-borne diseases. The workshop was held alongside the 15th International Symposium on Ticks and Tick-borne Diseases (29–31 March 2023). The workshop brought together experts from around the world to discuss research gaps, priorities, and international collaboration in this field. The discussions centred on three key areas to control vector transmission: targeting the vector host; addressing vector biology; and leveraging the vector biotope. The workshop emphasized the importance of global research coordination and collaboration in tackling vector-borne diseases. Challenges related to the implementation of vector control strategies in low- and middle-income countries, as

well as ethical considerations in the development and use of new vector control technologies, were also addressed. As a result of the workshop, a comprehensive roadmap for vector transmission control has been drafted. This roadmap outlines strategic approaches and research priorities. The roadmap for vector transmission control is being further refined and then it will be published on the STAR-IDAZ website.



Experts from around the world met at Hinxton Hall, Cambridge to discuss contagious bovine pleuropneumonia.

# SIRCAH NEWS

The EU and UKRI-funded Secretariat (SIRCAH2, Support for the International Consortium on Animal Health) has had a busy six months supporting STAR-IDAZ IRC in achieving its objectives. SIRCAH2 facilitated numerous workshops and gap analyses events in the early part of 2023, resulting in the publication of several reports and roadmaps in the first half of the year. The IRC Executive and Scientific Committee meetings in Nairobi provided a great opportunity to discuss the current disease priorities and look at where the attention of STAR-IDAZ IRC and the Secretariat should be focused in the future.

SIRCAH2 is coordinated by Kreavet, with Defra, WOA, CABI, and UKRI-BBSRC as partners. We have two new Secretariat members – Latifa Elhachimi from Kreavet, and Georgina Grell has replaced Mary O’Connor at CABI.

The Secretariat would like to thank all members and participants for the support and commitment to STAR-IDAZ IRC and looks forward to working with you over the coming years.



Members of SIRCAH2 at ILRI, Nairobi for the Executive and Scientific Committee meetings

# CALL for Pitch Presentations @ DIAH conference

STAR-IDAZ IRC will sponsor up to two scientists to present their innovation at the new Discovery to Innovation in Animal Health (DIAH) conference. The presented innovations should have a demonstrable impact on a STAR-IDAZ IRC priority area and will be selected by an independent committee.

(DIAH is a novel conference with a focus on co-development and **R&D-collaborations** between industry and academia.

The Innovation Spotlight section of the three-day program includes two pitch sessions featuring **emerging technologies** and emerging **start-ups**. New companies (less than 12 months since incorporation) and entrepreneurial scientists with novel technologies that have the potential to revolutionize the animal health industry are encouraged to apply and present their project.

The Advisory Committee will review all applications for the Innovation Spotlight, select successful applicants and provide guidance to presenters. At the DIAH-conference (6-8 February 2024, Ghent) the winning project will be recognised as the most promising technology for animal health. [Apply here](#) and mention you would like to apply for STAR-IDAZ IRC sponsorship.

## ISIDORE – Calls for proposals

To improve the EU's and global readiness to epidemic and pandemic threats, the Integrated Services for Infectious Disease Outbreak Research project (**ISIDORE project**), funded by the EU, supports Research & Development into preparedness and responsiveness, by giving scientific communities worldwide, **free-of-charge access** to its consortium state-of-the-art facilities, cutting-edge services, advanced equipment and technologies, through an integrated One Health oriented **catalogue of services**. Free-of-charge access to ISIDORE's capacities is granted through a competitive process, involving the selection of research projects submitted in response to its calls for proposals.

Currently four calls for proposals to support research on the pathogens with epidemic potential are open. These preparedness calls include:

- **Risk group 4 pathogens**
- **Respiratory pathogens**
- **Vector-borne pathogens & their vectors**
- **Other pathogens with epidemic or pandemic potential**

They are open as long as funding remains available. However, given the high level of demand, and the fact that 75% of the available budget has been used up, ISIDORE encourages scientists to apply as soon as possible.

For more information, please check the [ISIDORE website](#) and subscribe to its newsletter; follow us on the Social media: [Twitter](#), [LinkedIn](#) or contact us at [contact@isidore-project.eu](mailto:contact@isidore-project.eu)

## Memorial Post

Mike Nunn, who died on 19 May 2023, was an active member of the original EU-funded STAR-IDAZ project from its initiation in 2010 until 2012 when he moved from DAFF Australia to work for Australian Centre for International Agricultural Research. He was Deputy Leader of Work Package 1 which was concerned with developing the strategic direction of the network. He took a particular interest in issues relating to One Health and strategic foresight. He was a member of the STAR-IDAZ Foresight and Programming Unit, contributing to the development of its Terms of Reference and the activities undertaken to develop a long-term strategic research agenda for animal health. He chaired a highly successful STAR-IDAZ-hosted "Meet the Experts" session entitled "Contagion the reality – a One Health view of emerging infectious disease" at the International Congress on Infectious Diseases in Bangkok, June 2011. This session also involved Juan Garza from Mexico and Linfa Wang from the Geelong Laboratory in Australia as speakers. Mike will be missed by all of us in STAR-IDAZ who knew him.

Further details of his life can be found at <https://www.ava.com.au/member-updates/Newsletter/vale-dr-mike-nunn/>

# IRC Members

The complete list of members is:

1. Danish National Veterinary Institute (DTU Vet), Denmark
2. National Institute of Agricultural Research (INRA), France
3. French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France
4. Ministry of Health, Italy
5. Ministry of Agriculture, Nature and Food Quality, The Netherlands
6. National Institute for Agriculture and Food Research and Technology (INIA), Spain
7. Department for the Environment, Food and Rural Affairs (Defra), UK
8. Biotechnology and Biological Science Research Council (BBSRC), UK
9. Regional Consortium; Universiteit Gent (Ghent University), Université de Liège, the Federal Public Service Health, Food Chain Safety and Environment (unit Contractual Research) and Sciensano
10. Kimron Veterinary Institute, Israel
11. International Livestock Research Institute (ILRI), Kenya
12. Tanzania Veterinary Laboratory Agency (TVLA), Tanzania
13. National Institute of Animal Health, National Agriculture and Food Research Organisation (NIAH), Japan
14. Agriculture Research Services, United States Department of Agriculture (USDA ARS), USA
15. National Institute of Agriculture Technology (INTA), Argentina
16. Ministry of Science, Technology and Productive Innovation (MINCYT), Argentina
17. Canadian Food Inspection Agency (CFIA), Canada
18. Zoetis
19. WOAHA (World Organisation for Animal Health)
20. Bill and Melinda Gates Foundation (BMGF)
21. HealthforAnimals (Global Animal Medicines Association)
22. Diagnostics for Animals (Manufacturers of Animal Health Diagnostics)
23. European Commission
24. Regional Consortium; Nigerian Animal Health Research Network led by National Veterinary Research Institute Vom
25. National Advisory Council on Animal Health (CONASA) and the National Autonomous University of Mexico (UNAM), Faculty of Veterinary Medicine and Zootechnics (FVMZ)
26. Australian Animal Health Laboratory, CSIRO, Australia
27. Lanzhou Veterinary Research Institute (LVRI), China.
28. National Veterinary Institute of Sweden (SVA), Sweden
29. National Institute of Food and Agriculture (NIFA), USA
30. Norwegian Veterinary Institute (NVI), Norway

## SIRCAH2

Support for STAR-IDAZ IRC (SIRCAH2) is funded by the European Union Horizon Europe research and innovation programme under grant agreement No 101082377 and by UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee [grant numbers 10055666 and 10058793]. SIRCAH2 is run by a partnership including Defra (UK Department for Environment, Food and Rural Affairs), World Organisation for Animal Health (WOAH), CAB International (CABI), BBSRC (Biotechnology and Biological Sciences Research Council), and Kreavet. It provides organisational and communication support to the IRC, facilitates research gap analysis including the provision of literature reviews for working groups, maps funding activities against identified research needs, and helps mobilise resources to address them. The Secretariat also plays an important role in advocacy for the consortium and bringing in new members.

## Further Information

For further information about the IRC please visit [www.star-idaz.net](http://www.star-idaz.net). Research funding organisations and programme owners interested in joining the IRC or researchers interested in joining the working groups should contact the STAR-IDAZ IRC Project Office:

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