STAR-IDAZ
International Research
Consortium on Animal Health

STAR-IDAZ International Research Consortium

Washington IRC Workshop

Outline

- Background to STAR-IDAZ
- International Research Consortium on Animal Health
  - Partners and Governance Structure
  - Scientific Committee
- Addressing priority challenges (Working Groups)

STAR-IDAZ

(Global Strategic Alliances for the Coordination of Research on the Major Infectious Diseases of Animals and Zoonoses)

A global initiative to address the coordination of research programmes at international level in the area of animal health and in particular infectious animal diseases including zoonoses.

STAR-IDAZ Objectives

The overall aim of STAR-IDAZ is to improve coordination of research activities on the major infectious diseases of livestock and zoonoses so as to hasten the delivery of improved control methods.

- To strengthen the linkages between and reduce the duplication of global research effort on high priority infectious diseases of animals (including zoonoses), maximise the efficient use of expertise and resources and accelerate coordinated development of control methods.

Scope of STAR-IDAZ

Coordination of research relevant to:

- Emerging and major infectious diseases of production animals (livestock, including aquatic animals and bees).
- Zoonoses.
- Diseases of wildlife and other free-living animals if identified as reservoirs of infection of emerging and major infectious diseases of humans or production animals.

STAR-IDAZ Activities

- Sharing information on existing research programmes.
- Analysis of and responding to global, regional and industry sector priorities.
- Facilitating networking of on-going research activities on major issues.
- Developing strategic trans-national animal health research agendas.

Preliminary Inventory of Research Activities and Priority Research Needs - Q1 - 3

Indicate, in order of importance:

1. The six diseases/health issues and associated research activities relating to the XXXXX sector that are currently the subject of greatest research effort in your country.

2. The current six most important diseases/health issues affecting the XXXXX sector in your country and the associated research needs

3. The six most important disease/health threats to the XXXXX sector in your country and the associated research needs.

Research Needs (Diagnostics; Vaccines; Therapeutics; Epidemiology and Control; Host Pathogen Interactions)

Top Ten Priorities Identified by STAR-IDAZ Partners

Influenza

TB

FMD

Salmonella

Antimicrobial Resistance

Brucellosis

Parasitosis and anthelmintic resistance

Campylobacter

Classical swine fever

PRRSV

STAR-IDAZ Outputs/Achievements

- A database of research publications
- A research programmes database (including capacity and activities)
- Research needs at global, regional and industry sector levels established
- Agendas on target priority diseases and issues developed
- Instruments to enable cooperation, clustering and partnerships identified
- Development of a long-term Strategic Research Agenda

- An extensive network of research programme managers developed

International Research Consortium on Animal Health - STAR-IDAZ IRC

Higher level of commitment for coordinated research activities through the STAR-IDAZ International Research Consortium for Animal Health (IRC)

- Agree minimum level of investment in research on priorities over a five year period (threshold $US 10 million; group funding commitment possible)
- Agree delivery targets
- Agree to coordinate/align funding to deliver these targets (members' own funding procedures, unless agreed otherwise; governance document & policy guidelines)
- Agree to share research results (as much as necessary, without jeopardising IPR)
- 25 Partners from 16 countries including one international research organisation (ILRI), one charity (BMGF), the European Commission and three industry have signed the Letter of Intent to participate.
- Total combined five-year research budget of $US 2.5+ billion

IRC Objectives and Deliverables

The overall objective of STAR-IDAZ IRC is to coordinate research at international level to contribute to new and improved animal health strategies for at least 30 priority diseases/infections/issues

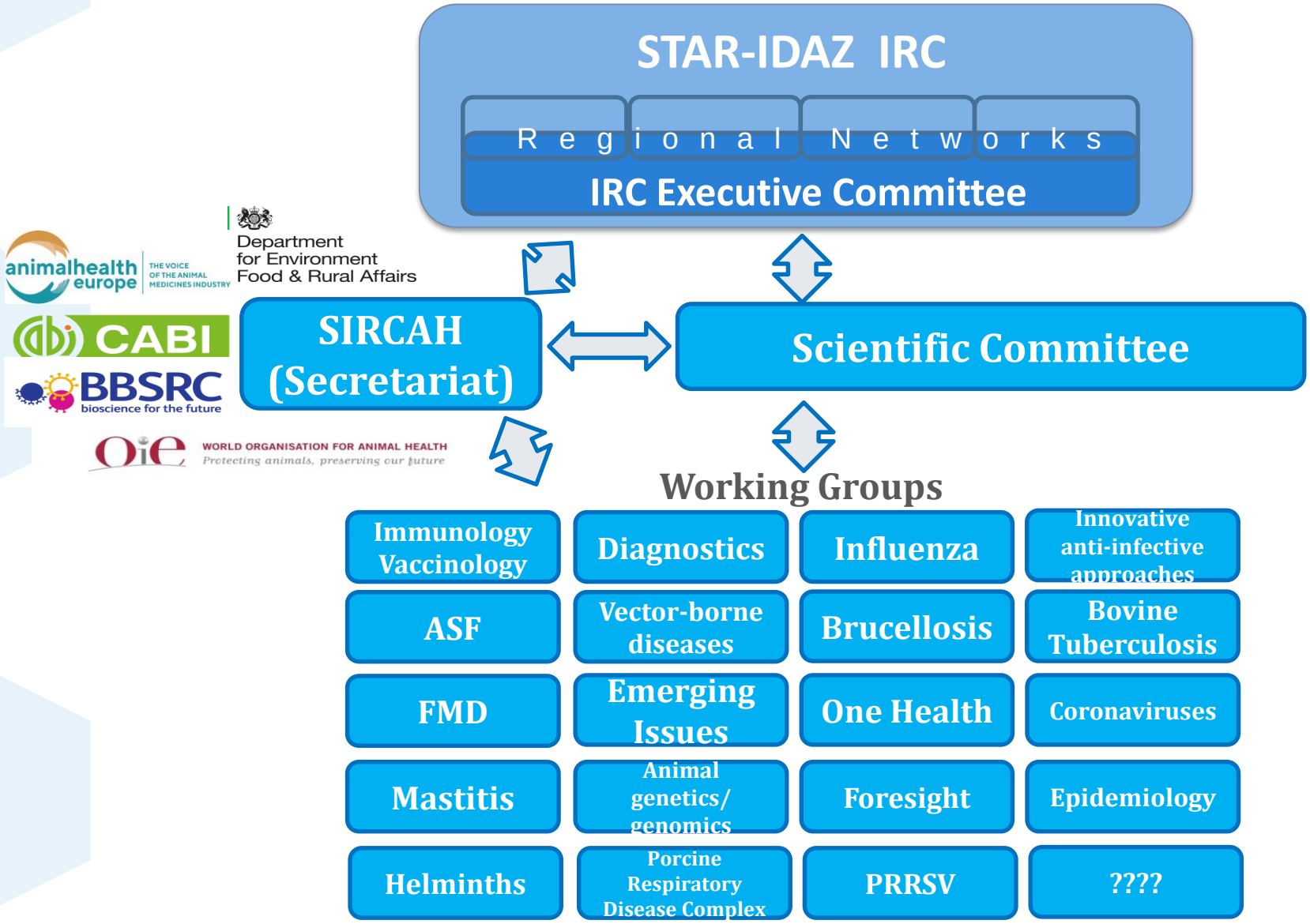
The deliverables include:

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

IRC ExC Partners

1. Danish National Veterinary Institute (DTU Vet), Denmark
2. National Institute of Agricultural Research (INRA), France
3. The French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France
4. Ministry of Health, Italy
5. Ministry of Economic Affairs (MinEZ), 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 CODA-CERVA (Veterinary and Agrochemical Research centre)
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), US
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. World Organisation for Animal Health (OIE)
19. Zoetis
20. Bill and Melinda Gates Foundation (BMGF)
21. HealthforAnimals (Global Animal Medicines Association)
22. Diagnostics for Animals (Veterinary Diagnostics Manufacturers) (formerly EMVD)
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)

Governance Structure



IRC Launch


Designing the path
STAR-IDAZ
International Research
Consortium on Animal Health

Secretariat for the International Research Consortium on Animal Health (SIRCAH)

- **Establish working groups** for priority diseases and crosscutting issues - assisting with the organisation of meetings, including helping to pull together the **gap analysis** and **mapping funding activities** against identified research needs.
- **Produce and publish gap analysis and roadmap reports from working groups**.
- Advise the Scientific Committee (SC) and ExC on **how research programmes could be aligned** and make funding recommendations based on the gap analysis, roadmap reports and current funding activities.
- **Maps funding activities** against identified research needs, and **helps mobilise resources** to address them
- Facilitating **knowledge transfer** to bring innovation to the market

Scientific Committee

Don Knowles
Dieter Schillinger
Gary Entrican
Martin Beer
Edwin Claerebout
Wim van der Poel
Denis Kolbasov
Stéphan Zientara

Bruno Goddeeris
Clara María Marín Alcalá
Gustavo Zielinski
Glen Gifford
Jeremy Salt
Anette Bøtner
Irit Davidson
Sergio Rosati

SC representation in WGs

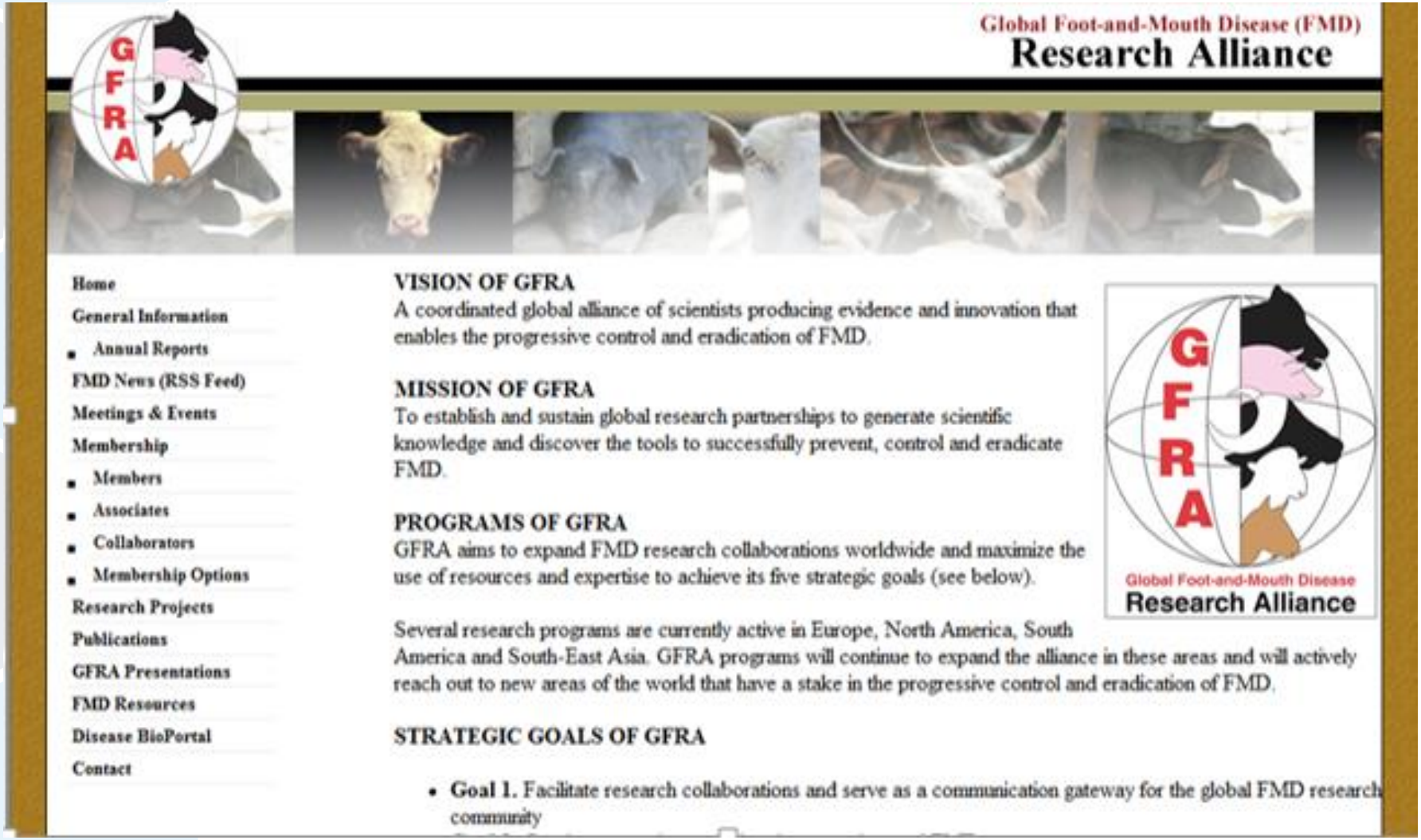
Working Group	SC Member	Deputy
Coronaviruses	Don Knowles	
One Health	Dieter Schillinger	
Vaccinology	Gary Entrican	Bruno Goddeeris
Influenza	Martin Beer	
Helminths	Edwin Claerebout	
Emerging issues	Wim van der Poel	
ASF	Denis Kolbasov	Anette Bøtner
FMD	Stéphan Zientara	Jeremy Salt
VBD	Bruno Goddeeris	Don Knowles
Brucellosis	Clara María Marín Alcalá	Gustavo Zielinski
PRDC	Gustavo Zielinski	
Mastitis	Gustavo Zielinski	
bTB	Glen Gifford	
Pox viruses	Jeremy Salt	
PRRS	Anette Bøtner	
Diagnostics	Irit Davidson	Sergio Rosati
Innovative anti-infective approaches including ATA		
Foresight		

Working Groups

- **Porcine Reproductive and Respiratory Syndrome**
- Influenza
- **Bovine tuberculosis**
- **Foot and Mouth Disease**
- **Brucellosis**
- **African Swine Fever**
- **Vector-borne dis**eases
- **Corona viruses**
- Mastitis
- **Helminths including anthelmintic resistance**
- Porcine respiratory disease
- Pox virus infections
- Others to come

- **Vaccinology**
- Emerging issues
- One Health (including food-borne pathogens and AMR)
- Animal genetics/genomics for animal health
- Epidemiology
- Diagnostics (tools and technologies)
- Integrated pathogen control for the reduction of resistance (Innovative anti-infective approaches, including alternatives to antimicrobials)

Global FMD Research Alliance



Mandate of the Working Groups

- Map and report on major ongoing national, regional or international initiatives in its field of interest to maximize worldwide awareness of these projects.
- Point out the problems and difficulties in the scope of the WG that ultimately prevent or delay the development of new diagnostics, vaccines/therapies and/or key information/tools for risk analysis and disease control strategies **(gap analysis**)
- **Recommend prioritised research objectives**, actions or solutions to resolve gaps, problems and difficulties in the scope of the WG
- Cooperate to ensure synergies of all research projects within the scientific area of the working group, by exchanging results, expertise, experiences and information

Contact us

For further information on:

- STAR-IDAZ IRC visit www.star-idaz.net.
- CWG AH&W visit http://www.scar-cwg-ahw.org/

STAR-IDAZ IRC Project Office:

Alex Morrow or Luke Dalton

Defra, Area 5B, Nobel House, 17 Smith Square,

London SW1P 3JR

Alex.Morrow@Defra.gsi.gov.uk , Luke.Dalton@Defra.gsi.gov.uk

Stefano Messori (OIE)

s.messori@oie.int


Thank You For Your Attention
http://www.star-idaz.net/