



STAR-IDAZ
International Research
Consortium on Animal Health

UPDATE ON SIRCAH ACTIVITIES

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STAR-IDAZ



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

Origin: A four-year (2011-2015) EU-funded global initiative to address the coordination of research programmes at international level

Present: International Research Consortium (IRC) operating under a MoU signed, as of 27/4/2016, by 28 funding organisations from 21 countries

complementing the existing European network – so total outreach = > **50 countries**

STAR-IDAZ International Research Consortium



Partner	Country	Partner	Country
Higher level of commitment			
<ul style="list-style-type: none"> • Agreed minimum level of investment (\$US 10 million over 5yrs) • Agreed delivery targets • Agreed to coordinate/align funding to deliver these targets • Agreed to share research results 			
Total combined research budget >\$US 2.5 billion			
ILRI	International	European Commission	International
Zoetis	Private	Bill and Melinda Gates Foundation	Private
HealthforAnimals	Organisation	Diagnostics For Animals	Organisation

Objectives and deliverables

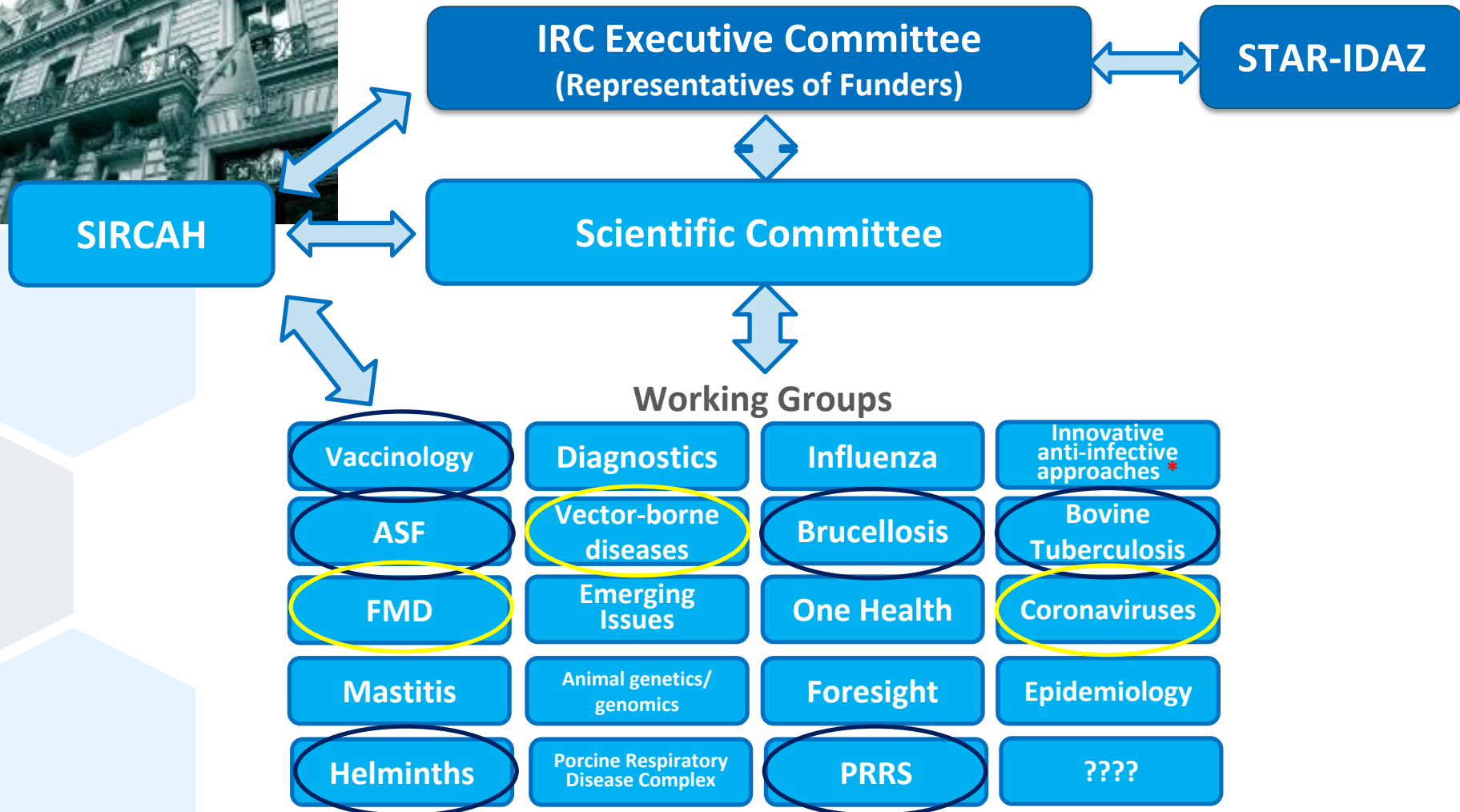


The overall objective of STAR-IDAZ IRC is to coordinate research at international level to contribute to new and improved animal health strategies for at least **30 priority diseases/infections/issues** .

The deliverables include :

- candidate vaccines, and/or
- diagnostics, and/or
- therapeutics and other animal health products, and/or
- procedures and/or
- key scientific information/tools to support risk analysis and disease control

IRC governance and structure



* Including alternatives to antimicrobials

Working Groups



Composition:

- Experts identified by the STAR-IDAZ Executive Committee members.
- Actively involved in research on the topic.

**ToR for establishing WGs developed and validated by the STAR-IDAZ
IRC Scientific Committee**

for AI).

- If necessary, groups will be enlarged to ensure global balance.

Aim:

- Conduct research gap analyses.
- Draft and validate research roadmaps.

OIE role in SIRCAH



- OIE has been involved as an **Associated Partner** in STAR-IDAZ, and was active in the Foresight and Programming group that developed a long-term Strategic Research Agenda on animal health.
- The OIE now **co-hosts** the **Secretariat** of the STAR-IDAZ IRC (SIRCAH).
- OIE will **underpin the STAR-IDAZ WGs** on specific diseases and cross-cutting issues through its activities (Reference Centres, Specialist Commissions, *ad hoc* Groups, and publications).
- Building on OIE existing network, **develop effective relationships** with a greater range of potential contacts, supporting the **Consortium enlargement** and **building awareness** about STAR-IDAZ IRC.

Improve research collaboration



- Management of STAR-IDAZ **regional networks**
 - Africa and Middle East
 - Americas
 - Europe
 - Asia and Australasia
- Organise regional meetings for **research mapping and prioritisation**
 - Africa and Middle East: Kenya (February 2017) and Nigeria (September 2017)
 - Europe: Austria (April 2017) and Belgium (November 2017)
 - Asia and Australasia and Americas: work in progress
- Encourage the institution of **research collaboration networks**
 - Nigerian Animal Health Network (vet schools + national vet labs)

Current activities on priority issues



ASF:

- Support you the organisation of the next GARA workshop (Italy, April 2018)

Vaccinology:

- Support of a GCRF Hub proposal on veterinary vaccines (target: low and middle income countries)

FMD:

- Participation in the GFRA executive committee and in annual conference (Rep. of Korea, 2017)

Brucellosis, PRRS:

- Setting up the WGs

bTB:

- Development of bTB research roadmaps for diagnostic, vaccine and epidemiology (collaboration with GRAbTB)

Draft bTB Research Roadmap: diagnostic



Properly defined Tuberculin
= ongoing OIE project

Multiplexing

Better understanding
of host-pathogen
interactions

Identification of T-cell
antigens using

Stage specific

Skin Test

Research roadmap validation meeting 11-12 December in the UK

GRAbTB + ERADbTB + international experts

Cellular and humoral
immune responses

Immunological
(Blood or Milk) test

Antigen mining including B-
cell and non-proteinaceous
antigens

Research roadmap presentation early 2018

M. bovis genome sequence
and comparative genome
sequencing of other *mtb*
complexes

Diagnostics tests for animal
species other than cattle

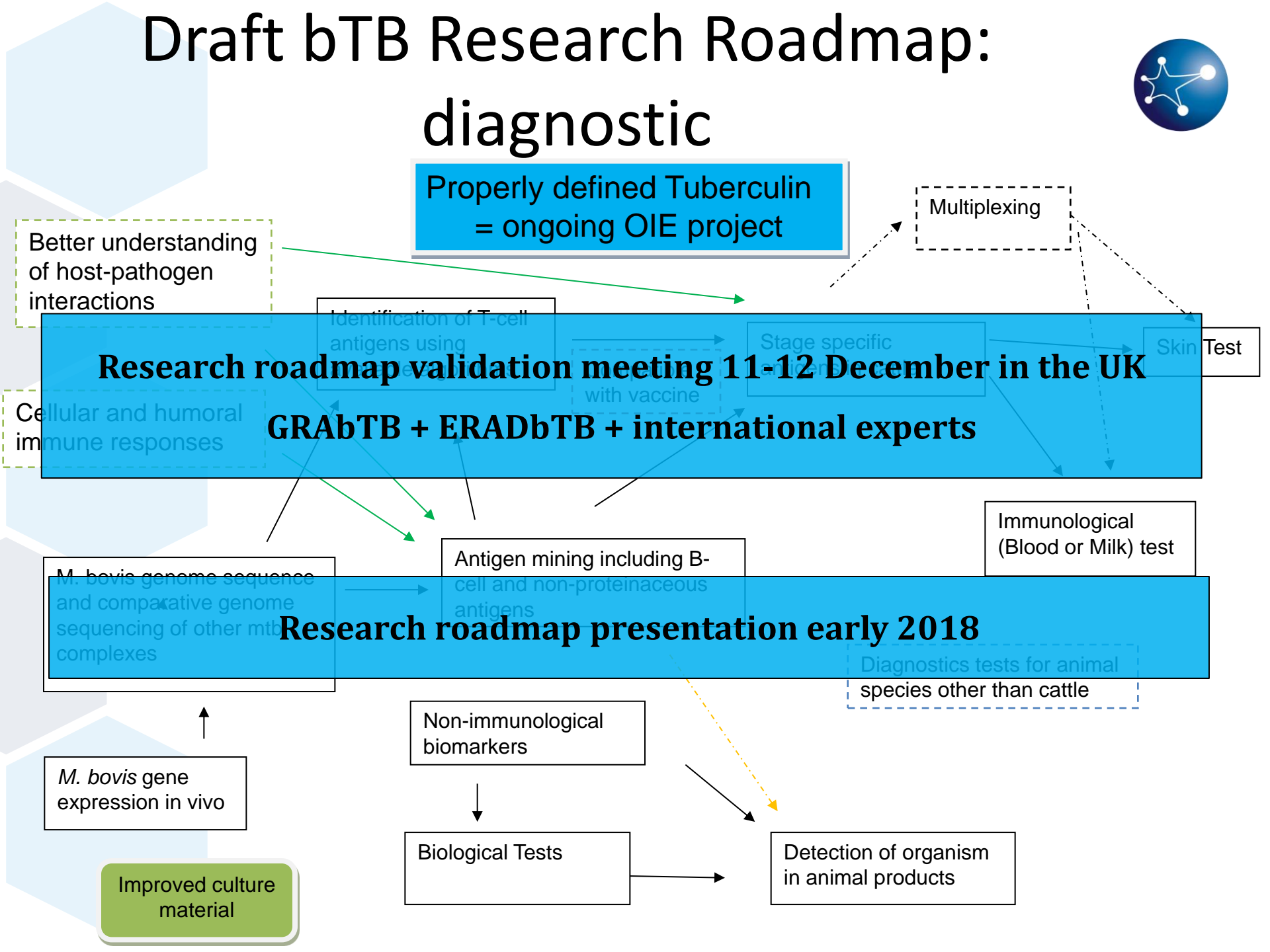
Non-immunological
biomarkers

M. bovis gene
expression in vivo

Biological Tests

Detection of organism
in animal products

Improved culture
material



Report on areas of overlap in activities of OIE, CABI and DISCONTTOOLS



Outlines areas of **common interest**.

Identifies **additional benefits** of improved collaboration between OIE, CABI and DISCONTTOOLS

1. Improving information exchange
 - DISCONTTOOLS data are public; the new website will improve their usability and accessibility
2. Selecting experts to be on the WGs
 - DISCONTTOOLS experts will be invited into STAR-IDAZ IRC WGs
3. Identification of new priorities and supporting information to the WGs
 - DISCONTTOOLS data would be a sound basis for WGs activities
4. Global networking

Annual state-of-the art report on animal health research on IRC priorities



Four chapters

- Recent initiatives taken to speed up R&D
- International initiatives to facilitate transnational collaborations
- Recent infrastructures and databases to facilitate R&D
- State of the art in IRC priority diseases

➤ Global network

➤ DISCONTTOOLS

Yearly updated

➤ Recent developments

2018 would include information on IRC Members funded research

What next?



- Establishing and **running Working Groups** on the first selected priority diseases.
- Draft/validating **research roadmaps**, in collaboration with the Working Groups.
- Developing strategies for ensuring the **uptake of roadmaps** by research funders.
- Initiate/support the launch of **calls for collaborative projects** (e.g. on vaccinology, focusing on vaccine technology).
- Increase **regional network** activities (Americas and Asia and Australasia).



Thank you for your
attention

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