

# CWG Animal Health & Welfare Research

Plenary meeting, Rome

10 December, 2024

## Aim of the meeting

- To consolidate the European network with Funding Organizations, experts and private partners with a major interest in AH&W.
- Reach out to DG-AGRI, EFSA and WOAH, incl. SANTE, MARE and RTD, RefreSCAR.
  - Invited SCAR Working Groups SAP, SCARfish, FoodSystems.
- Encourage the AH&W cooperation within countries.

For those who are online: please **mute your microphone**!

The meeting will be **recorded** for preparing the minutes, not for distribution.

You can use the chat for questions, which will be answered in the minutes.

## Agenda 10 December 2024

- Official welcome by the Authorities; Introduction and objectives of the meeting; Follow up of the plenary TC meeting of 23 May 2024.
- Feedback
  - of the Animal Welfare and the Strategy & Foresight Unit Subgroup meetings.
  - from country research on Highly-Pathogenic Avian Influenza.
- Updates on
  - STAR-IDAZ, with a presentation of the CWG website.
  - ICRAD ERA-NET
  - The European Partnership Animal Health & Welfare.
  - DISCONTOOLS.
- Research topics to discuss with RefreSCAR.
- The role of CWG in relation to EUP AH&W.
- Presentation of the SCARfish working group.
- Presentations: Diagnostics of virosis: the mind in the future with a look into the past (Antonio Lavazza, IZSLER, IT) and Artificial Intelligence in animal health research (Alasdair Cook, University Surrey).

Follow up of the CWG AH&W plenary of 23 May 2024\_\_

Hein Imberechts

## See agenda 23 May 2024

- Feedback from Animal Welfare and SFU subgroups.
  - Action: All to consider the call for new chair persons for the animal welfare subgroup.
  - Action: All to comment on the proposal to present Risk Communication and/or Regulatory AH&W Research as possible research support topics for RefreSCAR.
- Country AH&W priorities and challenges (survey).
  - Action: All to comment on the reporting of the AH&W priorities and challenges as presented at the May TC meeting.
- Updates STAR-IDAZ; EUP AH&W, ICRAD and DISCONTOOLS.
- Scientific presentation: Animal Influenza in cattle (Wim van der Poel) and Burden of disease (Brecht Devleesschauwer).
- AOB
  - **Actions**: Hein Imberechts to inform the members about the CWG website and the next meeting.

Feedback from country research on Highly-Pathogenic Avian Influenza

Hein Imberechts

## **Survey on HPAI in ruminants**

- In the light of the first cases of HPAI H5N1 in cattle in the United States in March 2024, <u>STAR-IDAZ</u> was seeking to collect and disseminate relevant research information on HPAI in ruminants. CWG AH&W, as the European regional consortium of STAR-IDAZ, supported this initiative.
- Online survey organised by the CWG AH&W, from 27 June until 5 October, 2024.
- Report available on <a href="https://scar-europe.org/ahwr-documents">https://scar-europe.org/ahwr-documents</a>
- Action: Let us know to who you distributed it to, e.g. authorities (Ministry of Health, Agriculture, Research), your CVO, National Mirror Groups on AH&W, AH&W Colleagues or other? Has it been well received? Comments (content, format, process, etc.) are welcome!

## **Country AH&W research**

- This is an essential part of the CWG activities: share information among members.
  - AH&W research **priorities**: what project topics are currently ongoing or planned for the near future? Addressing funders.
  - Challenges and emergencies for the country or region in the domain of AH&W; addressing research organisations.
- Format to collect such information: recurrent agenda topic (tour de table), or online survey.
  - Suggestion: Agree to organise a AH&W survey and discuss it at the next plenary meeting (before summer break); agree?

## Aims of SCAR's WG: RefreSCAR report

- Report 'On mapping and analysing the European Research and Innovation, Policy and Practice landscape in which SCAR WGs operate.'; to be published soon.
  - Report of interviews with CWG chair and co-chair, including CWG AH&W.
  - Conclusion of the mapping study.
- Conclusions
  - WGs are heterogeneous; with different interpretation of their role, few alignment.
  - Role of the chairs; recognition by hosting organisations and the EC would help.
  - Assist in specific SRIA's is common to various WGs; improves contacts with EC-DGs.
  - Various levels of interaction with stakeholders; lack of resources (time) hampers this.
  - Better interaction between SCAR WGs can improve stakeholder engagement.
  - Mirror groups may link WGs with national policy making.
  - The report provides information on good practices and examples of activities.

Feedback from SFU Subgroup

Romano Zilli



Report on Strategy & Foresight Unit (SFU) Meeting to the SCAR AHW CWG Plenary

Meeting of the SCAR CWG AHW 9<sup>th</sup> of December 2024 Rome, Italy

Romano Zilli

SFU Chair IZSLT, IT





### Welcome and announcements, Minutes from last meeting (Romano Zilli)

• 14 participants (12 in-person, 2 online); Minutes of the last SFU meeting were approved, no amendments

### Global Perspective Studies (Lorenzo Giovanni Bellù, FAO Global Perspectives Studies Team)

- Overarching Strategic Foresight at FAO: What contributions from "Thematic Strategic Foresight"?
- (De) constructing (mis) leading narratives on development
- FAO: Four alternative scenarios to 2030, 2050 and beyond: 1. More of the same (MOS); 2. Adjusted future (AFU); 3. Race to the bottom (RAB); 4. Trading off for sustainability (TOS)
- Scenarios and triggers for transformation: 1. Governance; 2. Consumer (citizen) awareness; 3. Income and wealth Distribution; 4. Innovative technologies
- Possible interesting AHW issues to investigate:
- 1. <u>Vectors of diseases and other spreading causes</u> under alternative scenarios. Are they plausibly increasing (decreasing) under alternative scenarios, considering the evolution of their drivers (e.g. trade, tourism, climate change...)
- 2. Animal density. How is this plausibly changing under alternative scenarios? Is AHW going to be affected?
- 3. Research and development in AHW: how is it plausibly evolve under alternative scenarios?
- 4. <u>Evolution of diets</u>: Is there any specific pattern for AHW related to alternative evolutions of diets?
- 5. Species jumps. Are they more or less plausible under alternative scenarios, keeping into account their determinants?



### Themes for the RefreSCAR activities (Marina Bagni, Romano Zilli, Sadhana Sharma)

- Risk Communication
- Regulatory Science Focus on the example of AW
- · Climate Change: mutual impacts with Animal Health and Welfare
- The difference between RefreSCAR Portfolio Analysis, and Study
- Possibility to cooperate with SCAR Fish SWG on Climate change
- · Teagasc is already informed that 3 topics are to be submitted by the CWG



### Joint meeting with the AW subgroup (Romano Zilli)

- Integration of animal welfare in the assessment of sustainability of farming systems (Linda Keeling, SLU)
- Trends and Developments (Hermann Schobesberger):
  - 1. Funding mechanisms and examples for "funding lottery"
  - 2. HPAI outbreak in Austria in 2024, lessons learnt
- Objectives of the initative, background, discussion and perspectives
- Strategic and Operational Objectives of the CWG
- The ambition is to bring the two WGs closer together to facilitate a mutual understanding to better integrate the interdependency between health and welfare of animals
  - History of CWG structure
  - SFU is a permanent body with a horizontal scope, AW is mainly on specialistic expertise

## Feedback from Animal Welfare Subgroup

Alain Boissy & Francesca Fusi



## Animal Welfare subgroup Minutes of the Rome Meeting, 9 December 2024

### 20 participants:

Co-chair: Alain Boissy (Co-chair, France); Francesca Fusi (Co-chair, Italy)

In person: Giovanna de Matteis, Silvia Baralla and Davide Bochicchio (Italy); Noraly van Hemert (Netherlands); Anna Orchel and Dorota Godyń (Poland); Maana Singh Sidhu (Norway); Nikki Mackie (UK)

On-line: Marta Garcia (Spain); Gérard Grémaud (Switzerland); John Moriarty (Ireland); Marie-Hélène Pinard van der Laan (France); Jessica Ekström (Sweden); Remco Schrijver (NL); Yves Van deer Steede (EFSA); Vytautas Ribikauskas (LT); Paula de Vera (Copa Cogeca); Jon Tinsley (UK)

## + 3 Guest speakers:

Linda Keeling (SLU); Elena Nalon (Eurogroup for animals) and Adam Drosio (Copa Cogeca)

## Animal Welfare subgroup Minutes of the Rome Meeting, 9 December 2024



- 13.30: Welcome & presentation of new chairpersons
- 13.40: Round table on national animal welfare research activities and current priorities
- 14.10: Update on the EU Research developments in animal welfare, Gérard Gremaud
- 14.20: Update on EU Policy document on animal welfare, Francesca Fusi
- 14.30: Update on the animal welfare actions included in the internal programme of the EUP AH&W, Alain Boissy
- 14.45: Role of animal welfare science, the viewpoint of animal protection organisations Guest speaker: *Elena Nalon (Eurogroup for animals)*
- 15.05: Role of animal welfare science, the expectations of livestock industry Guest speaker: Adam Drosio (Copa Cogeca)
- 15.25: Common discussion from the 2 presentations: AW science's impacts on public policy and stakeholders
- 15.40: Any other business
- 15.45: Coffee Break
- 16.00-17:30: Joint meeting with the Strategy & Foresight Unit of the CWG AHW Integration of animal welfare in the assessment of sustainability of farming systems Guest speaker: Linda Keeling (SLU)

## Animal Welfare subgroup 09 December 2024 Renewal of the chairmanship





Françoise Divanach (Dutch ministry) and Alain Boissy (INRAE) with the helpful support of Marta Garcia (INIA)



Francesca Fusi, PhD

Experimental Zoo-prophylactic Institute of Lombardy & Emilia-Romagna - Italy

Department of production and control of biological material

Italian National Reference Centre for Animal Welfare (CReNBA)



**Gérard Gremaud**. PhD

Federal Food Safety and Veterinary Office (FSVO) - Switzerland

Head of the research commission

Anja Bregger, PhD

Federal Food Safety and Veterinary Office (FSVO) - Switzerland

Deputy Head of the Department Knowledge Foundation

## National AW research activities: Round table



11 members had updated the round table document that synthetises the major new items and initiatives for their countries.

The projects concern a broad scope of species and subjects.

A trend of reducing national calls to support the participation to the projects of the EUPAHW (In-kind funding)

## welfare SCAR Standing Committee on Agricultural Research

## Update of the EU research projects in animal welfare by Gérard Grémaud & Francesca Fusi

The main new EU projects concerning animal welfare are:

- EUPAHW with more details given later in the meeting;
- EFSA
  - EFSA/BIOHAW/2023/03 Animal care & welfare: dairy herd welfare indicators. Risk-based model for dairy herd welfare: Field data collection for the validation of indicators suggested by EFSA opinion (running)
  - EUBA-EFSA-2024-BIOHAW-02 Animal Welfare: heat stress in livestock during transport (grant expired in July)
  - EUBA-EFSA-2024-BIOHAW-01 Pathway to animal welfare quantitative risk assessment: piloting a harmonised collection of welfare data in pigs (grant just expired)
- LIFE Calls for proposals 2024 → Coordination and Support Action Grants (CSA) for the harmonization of data collection in monitoring AW using sensor technology
- → A need to avoid overlappings in research due to the multiplicity of calls

## Update of the EU policy on animal welfare by Francesca Fusi



- 1 December 2024: Olivér Várhelyi is the new EU Commissioner on Health and Animal Welfare (2024-2029)
- From 8 December 2023 to 12 April 2024 Public feedback was collected on the EU new rules proposed on animal transport and the welfare of dogs and cats in trade (dec 2023).
   Results summarized in the Commission's feedback report
- From January 2024 NEW **EURCAW-AQUA** → European Reference Centre for the AW of **Aquatic Animals**: led by the <u>University of Crete in Greece</u> in partnership with the <u>Biology Centre of the Czech Academy of Sciences</u>, <u>Institute of Parasitology in Czechia</u> and the <u>Universitat Autònoma de Barcelona in Spain</u>.
- EU Commission asked EFSA to deliver by 2026 two scientific opinions on the protection of horses and donkeys and their hybrids, and a technical report on the keeping of Equidae.
- Following the successful European Citizens' Initiative "Fur Free Europe", the EU Commission asked EFSA to deliver by March 2025 a scientific opinion on the protection of animals kept for fur production
- **Perspectives:** need to revise the template of the 2 files due to the cumulation of the information for many years.

## EUP AH&W Update on the animal welfare internal projects by Alain Boissy



- Round 1: selection of 17 actions from the EUP SRIA including 4 actions dedicated to AW
  - OO1- Action 6. Knowledge platform on animal welfare SOA9
  - OO4 Action 1. Assessment of positive welfare; defining animal-based measures SOA13
  - OO4 Action 3. Improved assessment of consciousness and death SOA14
  - OO6 Action 1. Animal welfare & sustainability SOA17
  - The 17 SOAs started in January 2024. AWP2 + Report of year 1
- Round 2: selection of 17 actions from the EUP SRIA including 6 actions dedicated to AW
  - OO1-5 Networks for surveillance of livestock and aquaculture welfare and health issues
  - OO1-7 Real time monitoring of animal welfare issues to support policy objectives
  - OO2-6 Indicators and alarm levels for an animal welfare surveillance system
  - OO4-4 ABM to measure negative animal welfare consequences
  - OO4-5 Digitally assisted monitoring technologies enabling precision management on AH and AW
  - OO6-2 Improve animal welfare while maintaining farm economic and environmental sustainability
  - Currently: WP3 is transposing the selected actions into new JIPs outlines before being commented by the SAB and SHC
  - The new SOAs will start in January 2026

## Impacts of AW science on public policy and stakeholders



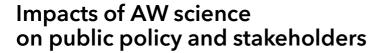
- 2 invited speakers:
  - Elena Nalon (Eurogroup for animals)
     Making an impact on European policy-making on animal welfare
  - Adam Drosio (Copa Cogeca)
     The Role of Animal Welfare Science in Informing Stakeholders

## Impacts of AW science on public policy and stakeholders



## Elena Nalon (Eurogroup for animals)

- 102 NGOs in 26 EU countries
- 3 missions:
  - Representing civil society at EU level regarding the well-being of animals
  - Campaigning to drive change in favour of animals across Europe
  - Fostering cohesion, exchanging experiences and disseminating knowledge
- Expectations: AW research for policy-making
  - Concrete socio-economic data on impact (€, numbers of animals, positive externalities)
  - Benefits to the main cost bearer
  - Usable indicators for policy





### Adam Drosio (Copa Cogeca)

Address challenges through collaboration in:

- Policy
- Research
- Practice

### **Expectations:**

- Involve farmers in research
- New technologies (digital tools for precision livestock)
- Continue dialogue to bridge ambition and implementation
- Align policy ambitions with research and practical implementation (until to practical solutions)
- Implement strategies/innovation step by step
- Bridge research results with practical solutions
- Foster public-private partnerships
- Align research with policy objectives
- Enhance funding opportunities for farmers

## Impacts of AW science on public policy and stakeholders



### Discussion:

- A need to better taking into account the expectations of the various stakeholders in research foresight
- Proposal to invite Eurogroup for animals to integrate the AW sub-group as Observer

## Integration of animal welfare in the assessment of sustainability of fine farming systems

Guest speaker: Linda Keeling (SLU):

Elaboration of an innovative methodology:

- 1. Mapping potential links between AW and each SDG
- 2. Scoring the strength of the link between AW and each SDG
- 3. Qualitative exploration of links wetween AW and the targets under SDGs

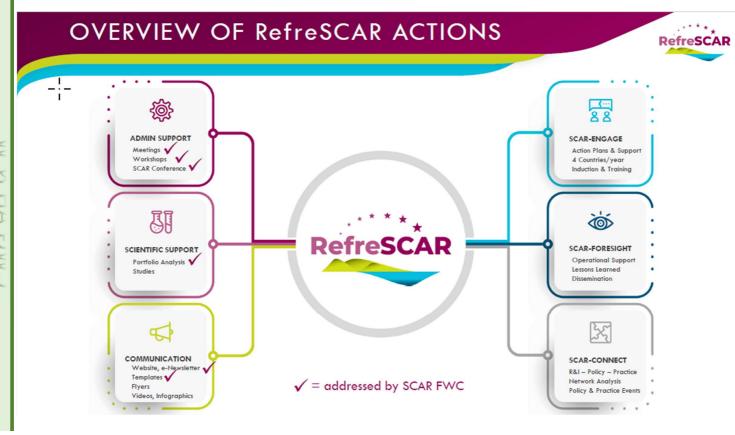
### Results:

Although AW is not explicity mentionned in the UN sustainable develoment goals (SDGs), working to achieving SDGs is compatible with working to improving animal welfare

Coffee break Until 12:00

## Research topics to discuss with RefreSCAR

Marina Bagni, Hein Imberechts, Sadhana Sharma, Romano Zilli



## Suggestions discussed in the MgtB

- Options to start with
  - Scientific support in the form of a Portfolio Analysis on Risk Communication: New needs for social science research to improve risk communication for Animal Health and Animal Welfare.
  - Scientific support in the form of a Portfolio Analysis on Regulatory Science for Animal Welfare: Connecting Policy Making to Research on Animal Welfare.
  - Scientific support regarding 'Climate change and its (expected) impact on AHW'.
- Two proposals have been submitted: Risk communication and Regulatory science.
- Discussion in MgtB and subgroups.

Update on STAR-IDAZ (and website)

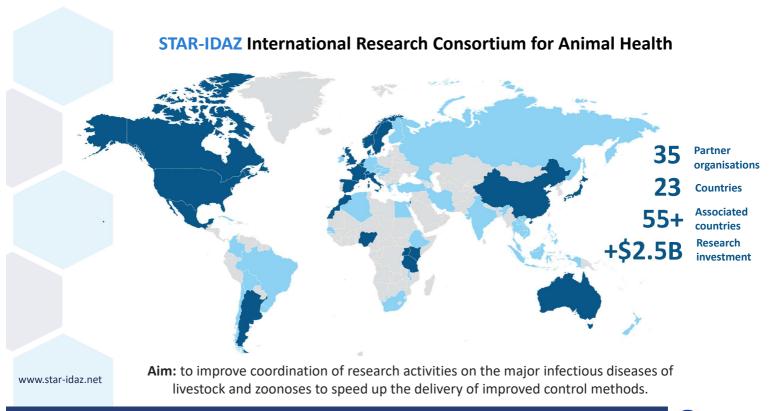
Maddy Newman



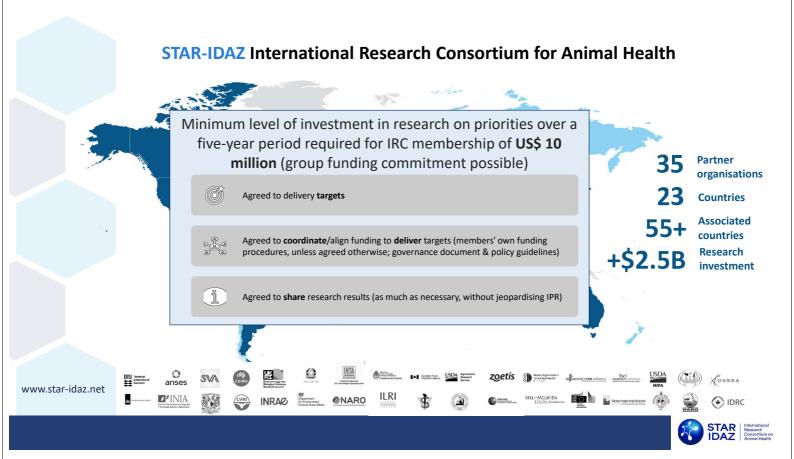


## STAR-IDAZ International Research Consortium on Animal Health: Update

Maddy Newman
CWG AHW meeting, Rome, Italy
10 December 2024







## **IRC Executive Committee Partners (35)**

- Israel Kimron Veterinary Institute
   Kenya Kenya Agricultural & Livestock Research Organisation (KALRO) · Morocco - Office National for the Sanitary Safety of Food Products (ONSSA)
- Nigeria Nigerian Animal Health Research Network led by National Veterinary Research
- Tanzania Tanzania Veterinary Laboratory Agency (TVLA)
   Uganda National Agricultural Research Organisation (NARO)

- Argentina Ministry of Science, Technology and Productive Innovation (MINCYT)
   Argentina National Institute of Agriculture Technology (INTA)
   Canada Canadian Food Inspection Agency (CFIA), Canada

- · Canada International Development Research Centre (IDRC)
- Mexico National Advisory Council on Animal Health (CONASA) and the National, Mexico Autonomous University of Mexico (UNAM), Faculty of Veterinary Medicine and Zootechnics
- USA Agriculture Research Services, United States Department of Agriculture (USDA ARS)

  USA National Institute of Food and Agriculture, United States Department of Agriculture (USDA NIFA)

www.star-idaz.net

- Australia CSIRO Australian Centre for Disease Preparedness (ACDP)
- China Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences (LVRI, CAAS)

- Belgium Universiteit Gent (Ghent University), Université de Liège, the Federal Public Service Health, Food Chain Safety and Environment (unit Contractual Research) and Sciensano
- Denmark Danish National Veterinary Institute (DTU Vet)
- •EU European Commission
- France National Institute of Agricultural Research (INRAE)
- France The French Agency for Food, Environmental and Occupational Health & Safety (ANSES)
- •Italy Ministry of Health
- •Norway Norwegian Veterinary Institute (NVI)
- •Spain National Institute for Agriculture and Food Research and Technology (INIA)
- Sweden Swedish Veterinary Agency (SVA)
- •Switzerland Regional Consortium Switzerland
- •The Netherlands Ministry of Agriculture, Fisheries, Food Security and Nature (LVVN)
- •UK Biotechnology and Biological Science Research Council (BBSRC) •UK - Department for the Environment, Food and Rural Affairs

### International organisations & others

- •World Organisation for Animal Health (WOAH)
- •International Livestock Research Institute (ILRI)
- •Bill and Melinda Gates Foundation (BMGF)
- HealthforAnimals
- Diagnostics for Animals (Veterinary Diagnostics Manufacturers) (formerly EMVD)





19-20 June 2024, São Paulo, Brazil 31 October 2024, Virtual





New Chair of STAR-IDAZ IRC: Dr Maryam Muhammad (NAHRN, NVRI, Nigeria)

discuss option of running exercise to update IRC Priority Topics





www.star-idaz.net

## **Working Group updates**

### **Mastitis**



**Workshop: Bridging Research Gaps in Bovine Mastitis** 14 August 2024, National Mastitis Council, Ghent, Belgium

### Objectives:

- International engagement
- Establish working group
  - Identify key individuals for WG
  - Identify WG leaders
- Roadmap development
  - Discuss and prioritise focus for roadmaps
  - o Plan development of vaccine roadmap?

www.star-idaz.net

Next steps: engage with ODISCONTOOLS to carry out gap analysis, prioritisation and begin roadmap development



STAR-IDAZ IRC Workshop: Bridging Research Gaps in Bo

Wednesday 14 August 2024, NMC Ghent (14:00 – 17:00 CET) AGENDA (3 hours)

### sion 1: Setting the scene (45 min)

Chair: Johannes Charlier, Kreavet, Belgium

- Introduction to STAR-IDAZ IRC and overview on the workshop objectives (Johannes Charlier, Kreavet / secretariat STAR-IDAZ IRC 10 min
   DISCONTOOLS gap analysis on S. aureus and Streptococcal mastitis (Fernando Souza, Federal University of Alagoas/University of São Paulo, Brazil) 13 min
   STAR-IDAZ roadmaps, how do they work? (Latifa Elhachimi, Kreavet / secretariat STAR-IDAZ IRC) 10 min
   Questions and discussion 10 min

Chair: Vinicius da Silva Duarte, University of Life Sciences, Norway

- The role of symbiotics, prebiotics and probiotics in mastitis prevention (Vinicius da Silva Duarte, University of Life Sciences, Norway) 15 min

  Phage therapy and phage-derives enzymes: potentials and challenges (Luís Melo, University of Minho, Portugal 15 min

  Group discussion: Key gaps and which need to be addressed first? 15 min

Session 3: Mastitis vaccine de

Chair: Orla Keane, Teagasc, Ireland

- Mastitis vaccines harnessing the potential of recent advances in antigen discovery and delivery (Orla Keane, Teagasc, Ireland) –
  Charting new paths: identifying critical gaps in bovine mastitis research and vaccine design (Fernando Nogueira Souza, Federal University of Alagoas/University of São Paulo, Brazil) Group discussion: Key gaps and which need to be addressed first? 15 min

Session 4: Conclusions (15 min)

Chair: Ruth Zadoks, University of Sydney, Australia

Scientific Committee Lead: Ruth Zadoks



### Coronaviruses

### Research Roadmap Workshops, October 2024

Aim: To identify and prioritise research needs to develop vaccines, diagnostic tests, and control strategies for coronaviruses

Three workshops:

- Development of candidate vaccines (2 October)
- Development of Diagnostics (8 October)
- Development of Control strategies (10 October)

**Topics discussed included:** Research questions, challenges, solutions, dependencies, and state of the art.



www.star-idaz.net

Next steps: workshop report published and roadmap finalisation. Validation by Scientific Committee and Executive Committee, before publication





STAR-IDAZ IRC Workshop: Shaping the Future of Livestock Tick Vaccines

Monday 17 June 2024

(9 am – 4 pm) Sala Coral, Rebouças Convention Centre, São Paulo, Brazil

### Introduction

Welcome to the STAR-IDAZ IRC scientific workshop on Tick Vaccines! The aim is to share experiences on livestock tick control and share recent research results. Specific focus will be given to the need for standardisation of tick vaccine trials, experimental models and integrated control through combination with other approaches including genetic and acarcide approaches. The workshop is targeted at researchers, tick control decision makers, research funders and industry to jointly unravel the complexities of this critical field and work towards sustainable solutions. There will be plenty room for discussion and the aim is to develop a scientific target product profile (S-TPF) for the ultimate catel tick vaccine and discuss how we can standardize tick vaccine trial. A draft S-TPF will be shared after the workshop with participants to comment and finally oublication.

Morning Session - Chair: Isabel Kinney Ferreira de Miranda Santos

8:45 - 9:00 Working together for tick vaccines

- Welcome address Isabel Kinney Ferreira de Miranda Santos (University of São Paulo)
- Introduction to STAR-IDAZ IRC Latifa Elhachimi (SIRCAH / Kreavet) (5 min)

:00 - 9:45 The state of tick vaccine research – Isabel Kinney Ferreira de Miranda Santos (University of São Paulo)

9:45 - 10:15 STAR-IDAZ IRC roadmaps on vector transmission control - Bruno



### BREAK

- 10:45 12:00 Challenges for vaccine standardisation
   Challenges in vaccine efficacy and trial design Halid Kirunda (the National Agricultural Research Organisation (NARO) (15 min)
   One-host Tick Challenge Models Maxime Madder (Clinglobal) (15 min)
   Industry perspective: Bm86 antigen Suman Mahan (Zoetis) (15 min)
   WOAH minimum requirements for vaccine: WOAH Collaborating Centre for

  - WOAH minimum requirements for vaccine WOAH Collaborating Centre for Vaccine Evaluation in the Americas Jim Roth, pre-recorded presentation (15 min)
- LUNCH + POSTER SESSION

Afternoon session - Chair: Vish Nene (ILRI, WSU)

- 24;-30 integrated control of Genetic approaches: The Oxitec Friendly™ Cattle Tick Program Mattia Poletto (Oxitec Ltd.) (15min)

  Acaricides vs. vaccines industry perspective Paul Selzer (Boehringer Ingelheim) (15
- min)

  The evolution of tick vaccinology Jose De La Fuente, (IREC, pre-recorded presentation

15:00 – 15:50 Discussion: making a scientific target product profile for cattle tick

15:50 - 16:00 Closing Remarks – Isabel Kinney Ferreira de Miranda Santos (University of São Paulo)

vector

**OIE Aquatic Animal** Health Strategy 2021-2025

View roadmap

Scientific Committee Lead: Bruno Goddeeris, Cynthia Baldwin, Isabel Kinney Miranda Santos

## **Aquaculture: Fish diseases**

STAR-IDAZ Working Group around Aquaculture to focus on Fish **Diseases** 

### Research gap analysis:

### 1. Survey for global consultation

- Aquatic Animal Health experts
- Provisional launch date Jan 2025

### 2. Consensus workshop

- 20 and 21 February 2025, Paris
- ~30 global experts
- World café discussions

TABLE 4 - ACTIVITIES TO SUPPORT THE ACHIEVEMENT OF OBJECTIVE 4: 4.1 Further develop 4.2 Develop the OIE's aquatic animal health and welfare capabilities Develop a plan to build aquatic animal health capabilities throughout the OIE's functional areas Existing OIE resources / Consider approaches to more fully engage and utili OIE scientific networks of diagnostic and scientific support at regional and global levels be required Explore opportunities to bring the OIE Communitogether to share ideas for strengthening global 4.4 Establish forums for the OIE Community management of aquatic animal health Provide strategic prioritisation of research areas of importance to the OIE and the implementation of OIE Identify the highest-

Proposed sessions focused on 1. Control strategies, 2. Diagnostics, and 3. Vaccines and Therapeutics

www.star-idaz.net



### **One Health**

Focused on **optimising funding mechanisms** to embed the One Health approach to research funding

Report with **initial recommendations for better alignment** between funders strategies and the priorities of One Health research community

Presented at World One Health Congress, September

### **Next steps:**

- 1. Publication: Why One Health is important for animal health
- 2. Workshop (March 2025)
- Bring together the OH research community (through WG) and selected research funders and programme owners
- Identify current obstacles to OH research and actions to better align needs of research community and priorities of funding organisations



www.star-idaz.net



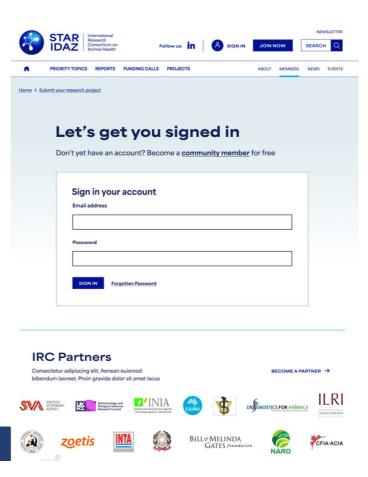


## **CWG AHW Webpage**

## Wireframe 1: Member Login and Regional Network Pages

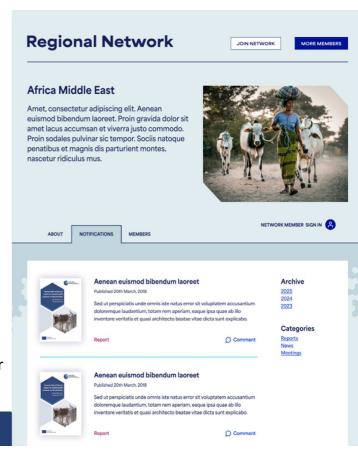
- Unique Member Logins:

   Each CWG member will have
   their own personalised login
   for secure access.
- Regional Network Pages:
   The members' section will feature regional network pages, offering a consistent layout for SCAR-CWG, AMERN, Asia & Australasia, and Americas regions



## Wireframe 2: Main Page Features

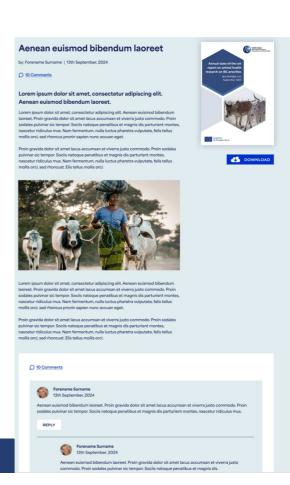
- Centralised Information: The main page will provide access to key information, a full list of members, and a notifications hub.
- Document Notifications: A dedicated notifications page will store documents and alert members when new content is added.
- **Customisable Categories:** Documents will be organised into customizable categories for ease of navigation.
- Member-Only Content: All documents will be accessible to members only, with an option to select specific files for the public-facing page.



www.star-idaz.net

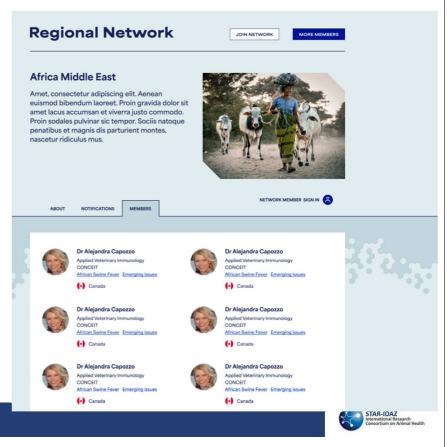
### Wireframe 3: Document Homepage

- Document Summaries: Each
  document will have a dedicated
  homepage with a concise summary
  and the option to download directly
  from the website.
- Interactive Discussions: A comments section at the bottom of the page will allow members to discuss and provide feedback on documents.



## Wireframe 4: Member Directory

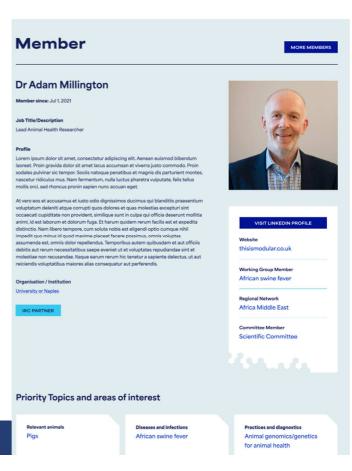
- Member Listings: A complete list of network members will be available.
- Clickable Profiles: Each member's name will link to an individual profile page with detailed information.



www.star-idaz.net

### **Wireframe 5: Member Profiles**

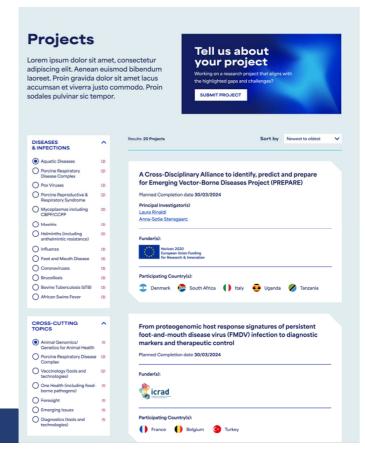
Personalised Profiles:
 Members can showcase their areas of interest and key information to help facilitate meaningful networking opportunities.



www.star-idaz.net

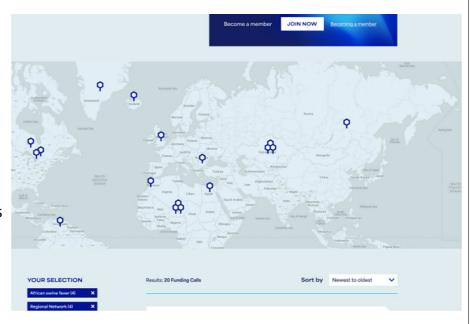
## Wireframe 6: Project and Contribution Encouragement

- Project Listings: Members are encouraged to share their associated projects in our centralized projects database.
- News and Opportunities: Please notify STAR IDAZ of any relevant funding calls, news, or events so we can share them on our platform.
- Research Submission: Easily submit your research projects to contribute to the network's collective knowledge.



### Wireframe 7: Global Network Overview and Feedback

Building Global Impact:
 These tools aim to provide a comprehensive view of the STAR IDAZ network's representatives and their global contributions.



**Development Timeline**: The wireframes are entering development and are set to launch in January 2025

Seeking 5 volunteers to test the system



www.star-idaz.net

For more information on STAR-IDAZ IRC, how to become an IRC partner or join the Regional Networks:



www.star-idaz.net



www.linkedin.com/company/star-idaz-irc/



twitter.com/StarIdaz

Contact STAR-IDAZ IRC Secretariat (SIRCAH):



Madeline Newman (Madeline.Newman@defra.gov.uk)



Johannes Charlier (j.charlier@animalhealtheurope.eu)



Gareth Dicks (g.dicks@cabi.org)



Georgina Grell (g.grell@cabi.org)



Valeria Mariano (v.mariano@woah.org)



Latifa Elhachimi (latifa@kreavet.com)

Thank you for your attention











## Thank you for your attention

## www.star-idaz.net/

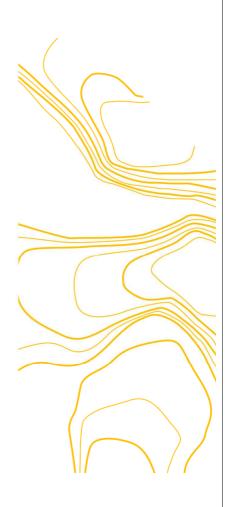
Update on ICRAD

Thom Erritt

## **ICRAD Update**

International Coordination of Research on Infectious Animal Diseases





## Membership

 Twenty-nine consortium members, across nineteen countries







## **ICRAD Aims**



- Develop novel and improved instruments to address and control infectious diseases.
- Increase preparedness and response to emerging and endemic livestock threats.
- Reduce antimicrobial and antiparasitic use in livestock, minimizing resistance.
- Enhance animal welfare through better disease prevention and management.
- Contribute to food security and sustainable livestock systems by reducing disease burden and impact on international trade.

57

## **ICRAD Key Dates So Far**



Launch of Call 1 – January 2020 Launch of Call 2 – October 2021

Launch of Call 3 – April 2023

## **ICRAD 1st Call**



- Funded 19 collaborative research projects from 20 countries.
- Focus on improving animal health and welfare, addressing key epidemic and emerging threats like African Swine Fever and Animal Influenza.
- Received 67 pre-proposals, invited 34 to full proposal, funded 19.
- Projects received €20 million in national contributions and European Commission top-up.
- Project abstracts and editorial published on GMPC Thesis & Opinions Platform.

59

## ICRAD 2<sup>nd</sup> Call - Summary



- Launched in October 2021, titled "One Health Approach to Zoonoses Research and Innovation".
- Funded 10 international collaborative research projects from 40 proposals.
- Utilized €12.5 million in national contributions.
- Involved 66 partners from 20 countries, including universities, public research organizations, and industry.





- Aim: Increase understanding and preparedness for climate change effects and anthelmintic resistance.
- Received 11 pre-proposals, invited 9 to full proposal stage.
- Focus areas: 7 on anthelmintic resistance, 1 on climate change impacts, 1 on diagnostics development.
- Approximately €5.5 million in national contributions available for 4 successful projects.

6

## 3<sup>rd</sup> ICRAD call – Successful Projects

- **METABOL-AR:** Metabolomics application for detecting anthelmintic resistance in goats.
- **HARTEMIS:** Evolution mechanisms and innovative solutions for Haemonchus anthelmintic resistance.
- **ANTHELMOGRAM:** Next-generation decision-making tool for anthelmintic resistance management in Europe.
- MAP-TCBZR: Mapping resistance loci and mechanisms of triclabendazole resistance in European Fasciola hepatica isolates.



## **ICRAD Final Showcase Meeting**

- Date: 26th March
- Location: Paris (WOAH Offices) or Brussels
- Purpose: Showcase and celebrate the achievements of the ICRAD ERA-NET Co-fund
- Audience: Animal health stakeholders, ICRAD members, scientific community



### • Scientific Sessions:

- PPPs (public private partnerships)
- Vaccines and Diagnostics
- Responding to emergencies
- AH and climate change/food security/welfare

### • Other Sessions:

- ICRAD's influence on animal health R&D
- Interdisciplinary Insights
- Future of animal health R&D in Europe

## **ICRAD Future Activities**



- 3<sup>rd</sup> Call Monitoring to be conducted in a 'light-touch' manner with the coordinator FO distributing reports to relevant FOs.
- Plan to submit an editorial for the 2nd call to GMPC Journal in early 2025.
- Supporting the EU Partnership for Animal Health & Welfare as needed.

## Thank you for listening...

Thom Erritt – thomas.erritt@defra.gov.uk





65

Official welcome by the Italian Authorities

## Update on DISCONTOOLS

Johannes Charlier



Research gaps for improving infectious disease control in animals

## **DISCONTOOLS** update

Johannes Charlier, DISCONTOOLS project manager



CWG AHW meeting, Rome, 10 December 2024

## What is DISCONTOOLS?

- 1) Database 57 infectious diseases of animals
   2) Gap-analysis diagnostics, therapeutics, vacc
   3) Prioritisation model **Gap-analysis** – diagnostics, therapeutics, vaccines

Managed by European stakeholders – Open-access

## For whom?



Research policy makers

Development of research agendas



Researchers

Writing and evaluating research proposals



Students

Thesis, written works

## Diseases

Zoönotic



Endemic



**Epidemic** 



71

## Previous update • Helminths

- Coccidiosis
- Emerging diseases (EHD, WNV, BTV)
- CSF



# Disease updates: mammalian tuberculosis

- n siAcbatter winderstanding of transmission pathways and risk factors for mammalian TB transmission is required and there is also a need to improve diagnostics and vaccine options.
- There are knowledge gaps around the role of the environment in mammalian TB transmission and in many countries the role of wildlife, implicated in the transmission of mammalian TB, is not known.
- The **role of environmental persistence** of *M. bovis* needs further investigation to assess its role in the epidemiology and transmission of mammalian TB to cattle.
- **Genetic resistance**, the possibility, and implications, of latency of *M. bovis* in cattle and the host-pathogen relation in cattle and wildlife species are areas that could be targeted by researchers.
- Link established with <u>STAR-IDAZ roadmaps on bTB</u>

73

## Disease updates: Brucellosis

Ignacio Moriyón, Universidad de Navarra et al.

- Separate Gap analysis for: cattle, small ruminants, *B. ovis*, pigs, other domestic species, marine and terrestrial wildlife & dogs
- A better understanding of the virulence and mechanisms of pathogenicity to design better vaccines and treatments.
- New *Brucella* species: importance, epidemiology, virulence, antigenic structure.
- Studies on human incidence and clinical presentations according to Brucella species
- More efficacious/cheaper **antibiotics** and further trials on monotherapy with doxycycline and on streptomycin replacement by gentamycin.

## Disease updates: CCHF

A Brun, CISA-INIA-CSIC et al.

- Over the last years, CCHF outbreaks have become **more frequent** in several European countries and neighbouring areas, and an increase in the number of large outbreaks caused by CCHFV has been observed.
- The knowledge on CCHF **pathogenesis and immune response** is limited. The research activities concerning CCHF disease have been restricted to very few institutes/laboratories
- Future research on the virus-vector interaction, the CCHFV dynamics in reservoirs and vectors, the role of birds and wildlife.
- One-Health framework.

75

## Other diseases in progress

- Mastitis
- Trypanosomiasis
- Avian Influenza
- Salmon Infectious Anemia
- •

### Website

Coronaviruses in pigs Epizootic diseases	•	15078
Coronaviruses in poultry  Epizootic diseases	•	14980
Q-Fever Zoonotic diseases	•	14374
Contagious Bovine Pleuropneumonia Epizootic diseases	•	5973
Toxoplasmosis Zoonotic diseases	0	4289
Nematodes Food producing animal complexes	•	3197
E. coli Zoonotic diseases	•	3015
West Nile Virus Zoonotic diseases	•	2747
Epizootic haemorrhagic disease Epizootic diseases	0	2154
Avian chlamydiosis (C. psittaci) Zoonotic diseases	0	1904

# Disease updates: mammalian tuberculosis

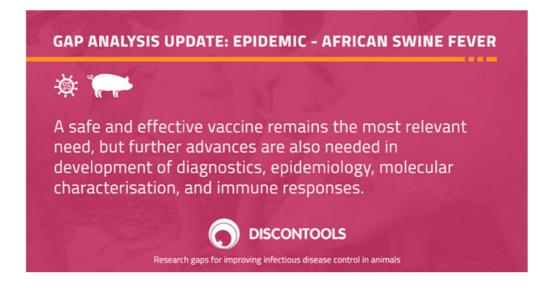
- र standerstanding of transmission pathways and risk factors for mammalian TB transmission is required and there is also a need to improve diagnostics and vaccine options.
- There are knowledge gaps around the role of the environment in mammalian TB transmission and in many countries the role of wildlife, implicated in the transmission of mammalian TB, is not known.
- The **role of environmental persistence** of *M. bovis* needs further investigation to assess its role in the epidemiology and transmission of mammalian TB to cattle.
- **Genetic resistance**, the possibility, and implications, of latency of *M. bovis* in cattle and the host-pathogen relation in cattle and wildlife species are areas that could be targeted by researchers.
- Link established with <u>STAR-IDAZ roadmaps on bTB</u>

## Social media (@AnimalhealthEurope)

#### #DISCONTOOLS



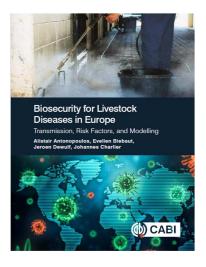




## Dissemination

- Lectures:
  - · Ghent University, MSD, Saint Nicholas University,
- Collaborations:
  - EAEVE, IVSA, EBVS
- Publications
  - Biosecurity for Livestock Diseases in Europe (Release 2025)
  - Diagnostic gap analysis through combining public databases (Res Vet Sci, submitted).





We need your support!

Country	Funder of DISCONTOOLS
Austria	University of Veterinary Medicine Vienna
Belgium	Federal Public Service Health, Food Chain Safety and Environment
Greece	Hellenic Agricultural Organization (Ellinikos Georgikos Organismos) - DIMITRA, Veterinary Research Institute
Italy	Ministero della Salute
The Netherlands	Ministry of Agriculture, Nature and Food Quality
Spain	Agencia Estatal Consejo Superior de Investigaciones Científicas (INIA-CSIC)
Switzerland	Federal Department of Home Affairs, Federal Food Safety and Veterinary Office Division of Innovation
UK	Department for the Environment, Food and Rural Affairs (DEFRA)
UK	Biotechnology and Biological Sciences Research Council (UKRI-BBSRC)

Research gaps for improving infectious disease control in animals



Lunch until 14:15

European Partnership Animal Health & Welfare

Nathalie Vanderheijden



# **European Partnership on Animal Health & Welfare: progress and upcoming Horizon Europe programme**

Nathalie Vanderheijden, Véronique Rebholtz, coordination, Ghent University

SCAR Animal Health & Welfare Research CWG - Plenary meeting 10 December 2024, Ministero della Salute, Headquarter, Rome





#### Vision of the EUP AH&W

'To provide society with a sustainable livestock production sector where infectious animal diseases are prevented and controlled with appropriate means, antimicrobials are used prudently, and animal welfare is respected in every phase of the production process, until death.'

Due to the close link between animal health, animal welfare and human well-being, the **One Health-One Welfare perspective** will take a prominent place in the EUP AH&W.

### European Partnership on Animal Health & Welfare

- 90 partners
- 56 Research Performing Organizations (RPO)
- 30 Funding Organizations (FO)
- Some other entities EFSA, EMA, Authorities
- From 19 EU and 5 non-EU countries
- Duration 7 years (+3)
- 50% Co-funded Partnership
- Expected total budget: 360 MEUR
- Coordinated by

UNIVERSITY

Only RPO FO/AUTH and RPO

Project 101136346 - EUPAHW - HORIZON-CL6-2023-FARM2FORK-01





### Main characteristics of the EUP AH&W

- Activities:
  - Internal programme (integrative & research activities) performed by member-RPO.
  - External research calls performed with (mostly) non-member RPO and possibly, industry.
- Member-RPO bring in-kind contribution.
- → internal projects only partially (48%) funded.
- **FO** bring **cash** for external calls: financial support to third parties (FSTP)
- → external projects 100% funded.
- **EU Co-fund Action**: 50% EC-funding overall (cash + in-kind from beneficiaries).

Non-member RPO will receive funding from their national/regional FO (FSTP) or use own resources.



The EUP AH&W should cover a period of 10 years, with the first 7 years foreseen for the initial Grant Agreement (2024-2030)

## **EUPAHW: update**

- Retro-active start 1 January 2024
- Kick-off meeting February 2024
- Grant Agreement signed by all beneficiaries end of March
- > Ethics Advisory Board (EAB, 3 members)
- Scientific Advisory Board (SAB, 14 members)
- > Stakeholder Committee (SHC, 23 members)
- ➤ National Mirror Groups (NMGs for 23 +1 countries)
- > Amendment for **inclusion of UK partners as beneficiaries**: just approved by the EC!
- Consortium Agreement: signature phase
- ➤ First External Call: 30 funders from 20 countries, 130 pre-proposals, 43 selected for the full-proposal step, 24 MiO€ + EU contribution



#### First phase of the EUPAHW

>1000 researchers

**SharePoint** 

17 Projects

(Sets of Activities SOA)

**Internal programme** 

1 External Call

51 6? SRIA actions 22 covered by first phase

114 MiO€, 50% co-fund

90 partners, 30 FO, 56 RPO



0

2 WHAT WE DO:

## Our Priority Areas

- Surveillance/Monitoring System and Risk Assessment
- Procedures, methodologies and tools to analyse AH&W
- Animal management on farm, at sea, during transport, and at slaughter
- Treatments and Vaccines
- Socio-economic area



SCAN TO LEARN MORE ---

#### The EUP AH&W SRIA

- Describes 51 actions in 9 Operational Objectives
  - OO1. Design and harmonize surveillance and monitoring systems
  - OO2. Adapt risk assessment and alert communication to the new needs
  - OO3. Procedures and tools for disease surveillance
  - OO4. Procedures and tools for welfare monitoring
  - OO5. Fight against animal infectious diseases on farm and during transport
  - OO6. Advance animal welfare on farm, during transport, at end of life
  - OO7. New interventions & treatments against specific priority diseases
  - OO8. To develop new vaccines or improve existing vaccines
  - OO9. An integrated approach on AH&W including socio-economic aspects
- These will be transposed in either:
  - Specific actions for the internal programme (integrative and research projects) (WP3).
  - Specific actions for external research calls (WP4).





# 17 Internal Projects started in January, based on 16 actions from SRIA; 56 RPO involved

- SOA06\_OO1- Action 2. Wildlife network mammals and birds
- SOA07\_OO1- Action 2. Wildlife & disease of aquatic organisms: a European perspective
- SOA08\_OO1- Action 4. Surveillance of AMR in animal pathogens
- SOA09\_OO1- Action 6. Knowledge platform on animal welfare
- SOA10\_OO2 Action 1. Rapid Risk Assessment also aquaculture
- SOA11\_OO3 Action 1. Basic knowledge on priority pathogens and infectious diseases also fish and shellfish
- SOA12\_OO3 Action 2. Better tools for the diagnosis of infectious diseases
- SOA13\_OO4 Action 1. Assessment of positive welfare; defining animal-based measures
- · SOA14\_OO4 Action 3. Improved assessment of consciousness and death for livestock and fish including crustacean
- · SOA15\_OO5 Action 1. Network of experts on biosecurity measures to reduce infections, also on aquatic organisms
- · SOA16\_OO5 Action 4. Reinforcement of animal resilience through fundamental research for animal feeding and breeding
- SOA17\_OO6 Action 1. Animal welfare & sustainability including aquaculture & fisheries
- SOA18 OO7 Action 1. Pathogen-microbiome interactions, immune system & mechanisms of AMR
- SOA19\_OO7 Action 2. New antimicrobial, antiparasitic drugs & tools for assessing their efficacy and safety
- SOA20\_OO8 Action 1. The role of the immune system of food producing animals
- SOA21\_OO8 Action 2. Tools such as vaccine platforms, expression systems, etc.
- · SOA22\_OO9 Action 1. Assess the economic and societal burden of selected priority diseases

# Phase 1: the 17 joint internal projects cover all 9 operational objectives from the Strategic Research and Innovation Agenda

#### Surveillance and risk assessment

- A European wildlife network for terrestrial animals
- Wildlife and diseases of aquatic organisms
- Surveillance of pathogens of veterinary importance and their antimicrobial resistance profiles
- Knowledge platform in the EU to collect, analyse, share and use integrated scientific and technical data on animal welfare
- Rapid Risk Assessment: Improvement of epidemic intelligence methodologies

#### Procedures, methodologies and tools

- KNOW-PATH Knowledge on priority pathogens, infectious diseases and their detection methods
- BETO Better tools for diagnosis of infectious diseases
- Assessment of positive welfare; defining animal-based measures
- Improved assessment of consciousness and death

#### Management and husbandry

#### Treatments and vaccines

#### Transversal area

- Biosecurity measures to prevent and control AID on farm and during transport taking into account effects on AW
- Reinforcement of animal resilience

Newcomers

- Sustainability aspects of AW-promoting livestock systems
- Pathogen-microbiome interactions, immune system
   & mechanisms of AMR
- Development of new antimicrobial and antiparasitic compounds and tools for assessing efficacy and safety
- Study the role of the immune system of farm animals
- Develop vaccine platforms and expression systems, immunological toolboxes and delivery system

Assess the economic and societal burden of selected priority diseases and production diseases

04/2024 07/2024 08/2024 09/2024 List of (1) Identification of (3) Identification of the type (2)Proposal on (4) Approval proposed which SRIA Actions **Approved list** Consultation categorisation of of action. of Proposal Actions will be proposed for on this \* RPOs: which actions can Actions of categorised next programme identification Actions they perform? Letter of Decision Call for Interest \* FOs: which actions should GenA engagement **Updated SRIA** be for external research. Decision GovB SAB Advice \* AUT: indicate requirements Advice (17) Update the GovB Advice SHC for e.g. risk assessment **EUP SRIA** +New RPO +New FO 02/2025 03/2025 Task (9) RPOs indicate (8) (6) (5) Transposing Task Task Provisionally (7) Approval of 2.3 interest and their Invitation to Estimation Actions into internal 3.2 approved provisional projects own contribution Collaborate of budget and budgets projects projects +New RPO Advice (10) Preparing SAB External proposals AUT SAB SHC Decision 06/2025 Decision Task Decision EB GovB (11) Ensuring SAB and SHC (13) Approval of new (14) Task 4.2 - 4.4 (12) EB finalises Set of suggestions were been Work Programme external call process 1.1 set of proposals proposals addressed. Submission to EB +New FO (15) Execution and progress **New Work** Task Execution and 3.4 45 progress monitoring monitoring of internal activities **Programme** (16) Monitor the effect of the actions Task of external activities defined in the EUP SRIA **Deadline** 

The Implementation Cycle WP2025

#### Phase 2: 17 actions selected for next round of Joint Internal Projects for 2026

#### Surveillance and risk assessment

OO1-3 Networks for epidemiology, sequency data and bio-informatics applicable to wildlife and livestock/aquaculture

001-5 Networks for surveillance of livestock and aquaculture – welfare and health issues

OO1-7 Real time monitoring of animal welfare issues to support policy objectives

OO2-2 Relations between human activities related to wildlife and disease spread

OO2-3 Methodologies to integrate genomic surveillance data and risk assessment

OO2-4 Risk of spread of AMR in veterinary pathogens

OO2-6 Indicators and alarm levels for an animal welfare surveillance system

#### Procedures, methodologies and tools

OO3-3 Tools to distinguish between infected and vaccinated animals

OO3-4 Multi-target diagnostics to identify infection levels and microorganisms that can interfere with treatment decisions OO3-6 Host pathogen environment interactions focus on characterization of microbial ecosystems

OO4-4 ABM to measure negative animal welfare consequences OO4-5 Digitally assisted monitoring technologies enabling precision management on animal health and welfare

#### Management and husbandry

OO5-2 Enforcing external and internal biosecurity while limiting antimicrobial use

OO5-3 Prudent use of antimicrobials research on treatment concepts

OO6-2 Improve animal welfare while maintaining farm economic and environmental sustainability

#### Treatments and vaccines

OO8-3 Develop or improve vaccines and immunomodulators and deliver proof of concept



#### Transversal area

OO9-5 Integrated strategies for policy development regarding control of animal

#### Actions not covered by external call 1 after pre-proposal stage

**OO4 - Action 2**. Development of **technologies on the slaughter line to assess animal welfare** on farm and/or during transport. Identification of suitable ABM with appropriate level of validity, sensitivity and specificity; development of in-line sensors, large scale data collection.

**OO4 - Action 6.** Development of **technologies to assess animal welfare during transport**. Affordable and reliable solutions to prevent serious welfare problems through early detection of signals before and whilst in transit, e.g. lameness, lesions, heat stress, aggression, thirst or hunger, exhaustion, etc. Development of sensor technology, data analysis tools, data collection and integration platforms, decision support for the driver; related staff training.

OO9 – Action 2. Assess the socio-economic consequences of the possible changes in livestock and fish farming that may result from e.g. changes in citizen demand regarding animal welfare or that may be an effect of new legislative requirements.



## Second phase HE WP2025: extension proposal, September 2025

> 6 new partners (4 RPO, 2 FO) including 3 new countries: Romania, Bulgaria, North Macedonia

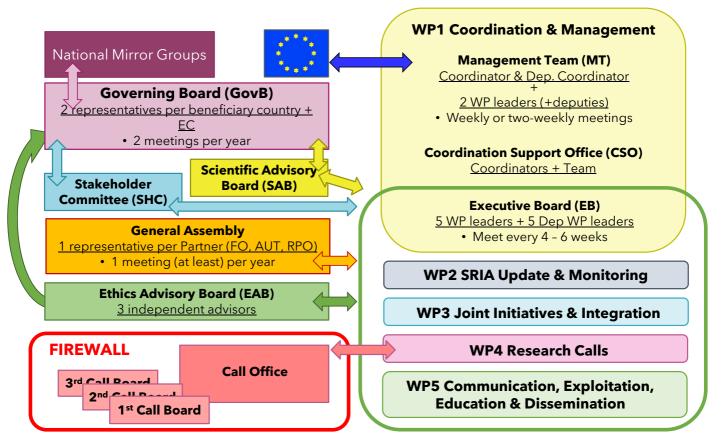
Still missing participation of **6 EU Member States**: Croatia,
Republic of Cyprus,
Czech Republic,
Hungary,
Luxembourg,

Malta

Also, other **Associated Countries** could be interested to join.

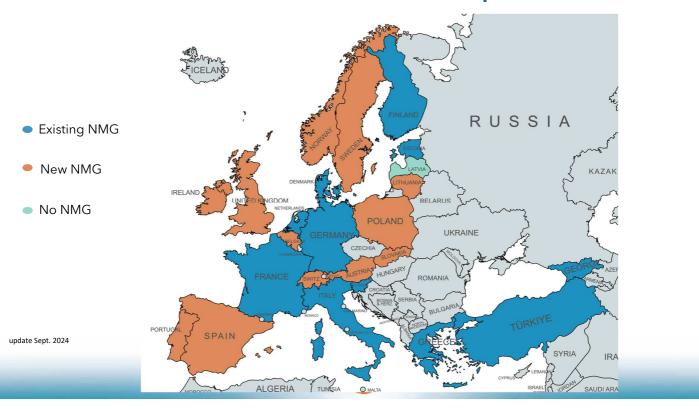
#### **Support from the CWG-AHW to find Funding Organisations?**





EUP AH&W Governance

### **AH&W National Mirror Groups**



## **Governing Board representatives from countries**

Countries	Organisations representatives for the GovB	Countries	Organisations representatives for the GovB
Austria	BMBWF and FWF	Lithuania	ZUM
Belgium	FPS Health and VG	Norway	RCN and LMD
Denmark	DAFA and IFD	Poland	NRIAP and PIWet
Estonia	ETAg and REM	Portugal	FCT
Finland	MMM and Ruokavirasto	Slovakia	MARD
France	Ministries: Research (MESRI) and Agriculture (MASA)	Slovenia	MKGP
Georgia	SLA and MEPA	Spain	AEI and CDTI
Germany	BLE and BMEL	Sweden	Formas
Greece	Ministry of Rural Development and Food	Switzerland	EDI-IVI
Ireland	DAFM and Teagasc	The Netherlands	MINLNV and <u>NVWA</u>
Italy	Masaf and MOH	Türkiye	TAGEM and TUBITAK
Latvia	LZP	UK	DEFRA and Surrey

In Blue: organisations out of the Consortium











# Thank you for your attention!

Nathalie.Vanderheijden@ugent.be Veronique.Rebholtz@ugent.be EUPAHW@ugent.be





Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

Role of CWG in relation to EUP AH&W

Hein Imberechts

## The CWG and the Partnership

- Sharing information on AH&W activities is a key element of the CWG AH&W, for example research priorities and country research agendas, to avoid duplication of work.
  - See above: recently started or planned AH&W research priorities (Funders) and AH&W challenges and emergencies (Research organisations), either as an agenda topic or an online survey. Can the outcome be made public, under certain conditions?
  - Action: let us know!
- Most CWG members are partners of the EUP AH&W, although not all.
  - The CWG network acted as a basis for creating the EUP AH&W!
  - Specific objectives of the Partnership: to bring animal health and welfare actors together, organise research, support One Health-One Welfare and aim at gaining medium and long-term impact.
  - Comparison of CWG and EUP: see next slide.

#### CWG AH&W

- 27 countries
- 55 members and observers (funders, research institutions, international organisations)
- EUP AH&W
  - 24 countries
  - 90 partners
- Both CWG and EUP share 27 institutions from 20 countries.
  - 3 EUP stakeholders are observers to the CWG.



## **CWG & Partnership**

- (Operational) Objectives of the CWG (see website)
  - Create and maintain the European AH&W forum; links with ICRAD, STAR-IDAZ, DISCONTOOLS, EUP AH&W, the EU AW Reference Centres; share info & experience between countries.
  - Tighten bonds with peer SCAR Working Groups and avoid overlap.
  - Align AH&W research agendas: regular exchange of priorities, AH&W challenges and emergencies, and relevant activities.
  - Search for research funding opportunities.
  - When requested, or in case of emergencies, explore possible joint initiatives.
- Practical: The CWG is well placed to provide input through the AH&W SRIA and to assist in the dissemination (and uptake?) of EUP outcomes (authorities, CVO, private partners).
  - Action: How do you see the interaction between the two consortia? What do you expect from the CWG other than knowledge exchange? Would you like to play an active role?