



European Partnership on Animal Health & Welfare

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A general presentation of the Partnership AH&W

November 2022

PAHW: WHY a Partnership?



- **No single country** has the capacity on its own to address the future challenges in AH&W (developing new vaccines and diagnostic tools, understanding epidemiology of diseases etc.).
 - **Bring most AH&W actors together**, also international ones.
 - **Strengthen cooperation** and synergy and **avoid duplication** of work among countries.
- **Increased need for data management**, not least for broad surveillance and preparedness.
- Development and validation and uptake of products, require a **continuum in the R&I chain from low to high TRLs ...**
- **To cope with an insufficient AH industry interest or investments** in certain domains.

An ambitious partnership approach around shared priorities, rather than scattered topics in Horizon Europe work programmes.

PAHW: building on existing initiatives





- **History of successful** (but relatively modest) **EU public-public research partnerships**
 - ERA-NETs: FP7 EMIDA (AH), ANIHWA (AHW): €70mio in joint transnational calls
 - **H2020 ICRAD**: 1st call over €20mio; 2nd call ongoing (over €12M)
 - For AW: also SusAn and Core-Organic
- These were based on **SCAR CWG Animal Health and Welfare** (over 20 countries)
 - Also SCAR FISH
- **One Health European Joint Programme**, €90mio co-fund
- **International Research Consortium** (STAR-IDAZ IRC), opening new avenues for global cooperation.
- (ETP GAH and) **Discontools**



Overview of 49 candidate European Partnerships

PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen
Global Health Partnership	Smart Networks & Services	Clean Aviation
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)
Rare diseases*	Photonics	Batteries
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People
	Global competitive space systems**	Clean Energy Transition
		Driving Urban Transitions

	Institutionalised Partnerships (Art 185/7)
	Institutionalised partnerships / EIT
	Co-Programmed
	Co-Funded

PILLAR III - Innovative Europe

EIT	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

Water4All
Animal Health & Welfare*
Accelerating Farming Systems Transitions*
Agriculture of Data*
Safe & Sustainable Food System*

CROSS-PILLARS II AND III

European Open Science Cloud

* Calls with opening dates in 2023-24

** Calls with opening dates not before 2022



Co-Funded EUP AH&W: the content

- **Scope**

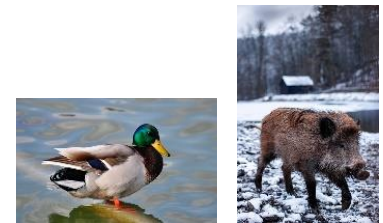
- Animal infectious diseases, including consequences for public health; animal welfare.
- Livestock (terrestrial and aquatic animals); wildlife and companion animals where relevant.

- **Aim**

- Reinforce preparedness against upcoming and emerging threats for both animals and humans.
- Promote and strengthen animal welfare.
- Generate innovative methodologies and products.
- Support evidence based policy making.
- Strengthen ERA and leverage resources in animal health and welfare.

- **Impact**

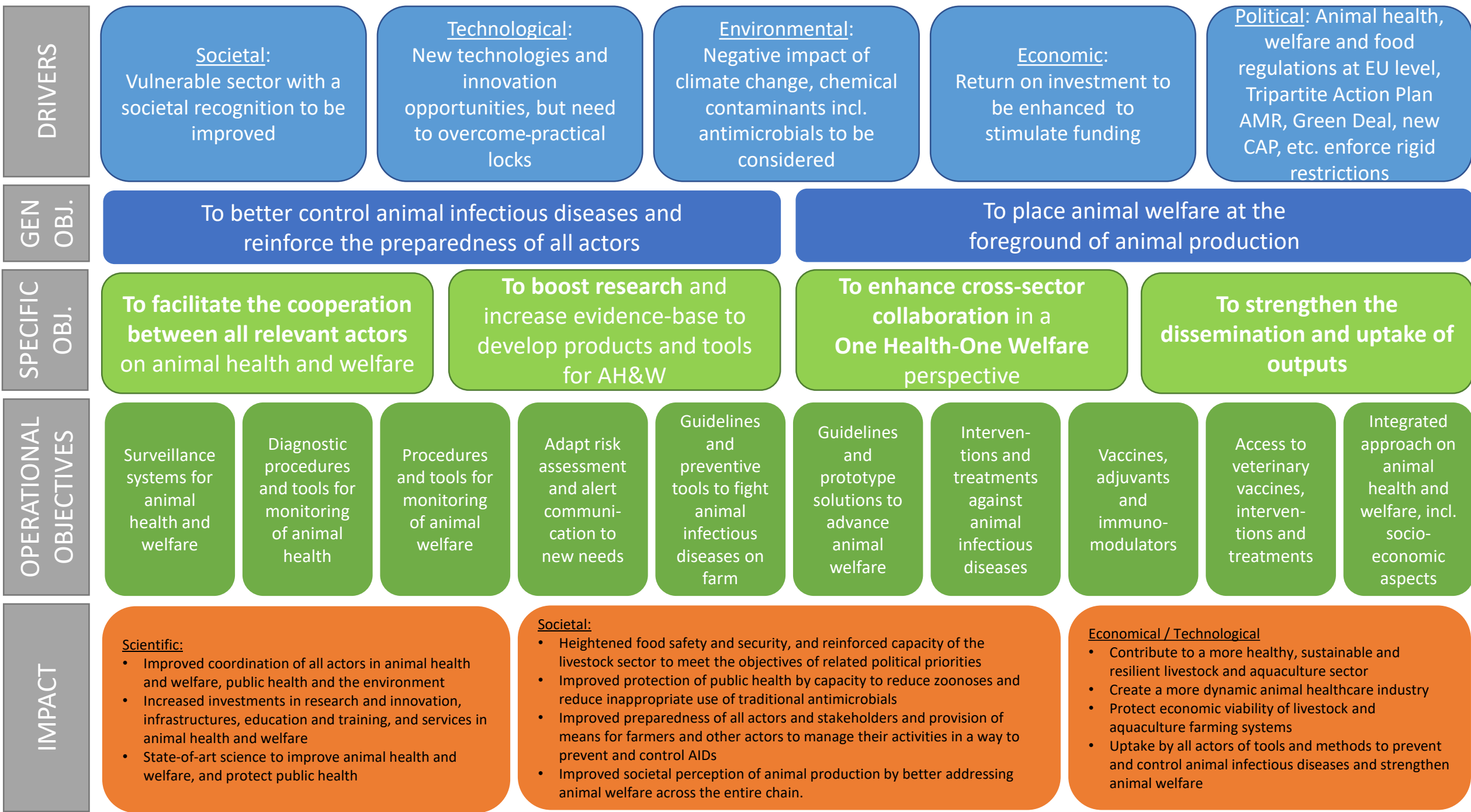
- Socio-economic & ecology impact when the burden of animal infectious diseases reduced.
- Science & Technology: increased knowledge in AH&W.
- Policy: national, European, international.



Vision of the Partnership

The vision of the PAHW is to provide society with reassurance on the **control of infectious animal diseases** with appropriate means, where **antimicrobials are prudently used**, where **animal welfare** is respected and improved, thus contributing to **sustainable livestock farming** and the protection of **public health** and the **environment**.

This vision and ambition will be achieved through strengthened cooperation between **public** research and innovation entities, and the association of relevant partners, **including the animal health industry**.



Objectives

AID + zoonoses
Wildlife
AMR of animal pathogen
FAIR data AH&W
Animal welfare

Research on pathogens
Direct-indirect; pen-site
DIVA, dead/alive
Multi-target
Sampling

Precision farming
Welfare during transport
Welfare at slaughter
Psychological indicators

Tools for animal

Methodologies
Wildlife & human
interventions
Genomic surveillance
AW surveillance

- *OO1. To design and health and welfare.*
- *OO2. To develop **diagnostic** procedures, and monitoring of **animal health**.*
- *OO3. To develop **procedures, methodologies and tools** to support **animal welfare**.*
- *OO4. To adapt **risk assessment and alert communication** to the new needs in animal health and welfare.*

See PAHW Dossier on EU website: [link](#)

Objectives

Biosecurity
Prudent use AM
Animal resilience
Experimental farms

AW and farm sustainability
Welfare indicators
Feeding & breeding

Basic research (TRL1-2)
Develop tools on farm, models,
bio-informatics
Uptake by industry

- *OO5. To develop guidelines on **diseases on farm and during***
- *OO6. To develop guidelines and prototype **solutions that address** farm, during transport and at the end of life.*
- *OO7. To develop new **interventions and treatments**, or improve existing ones, against specific priority infectious disease of animals.*

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Objectives

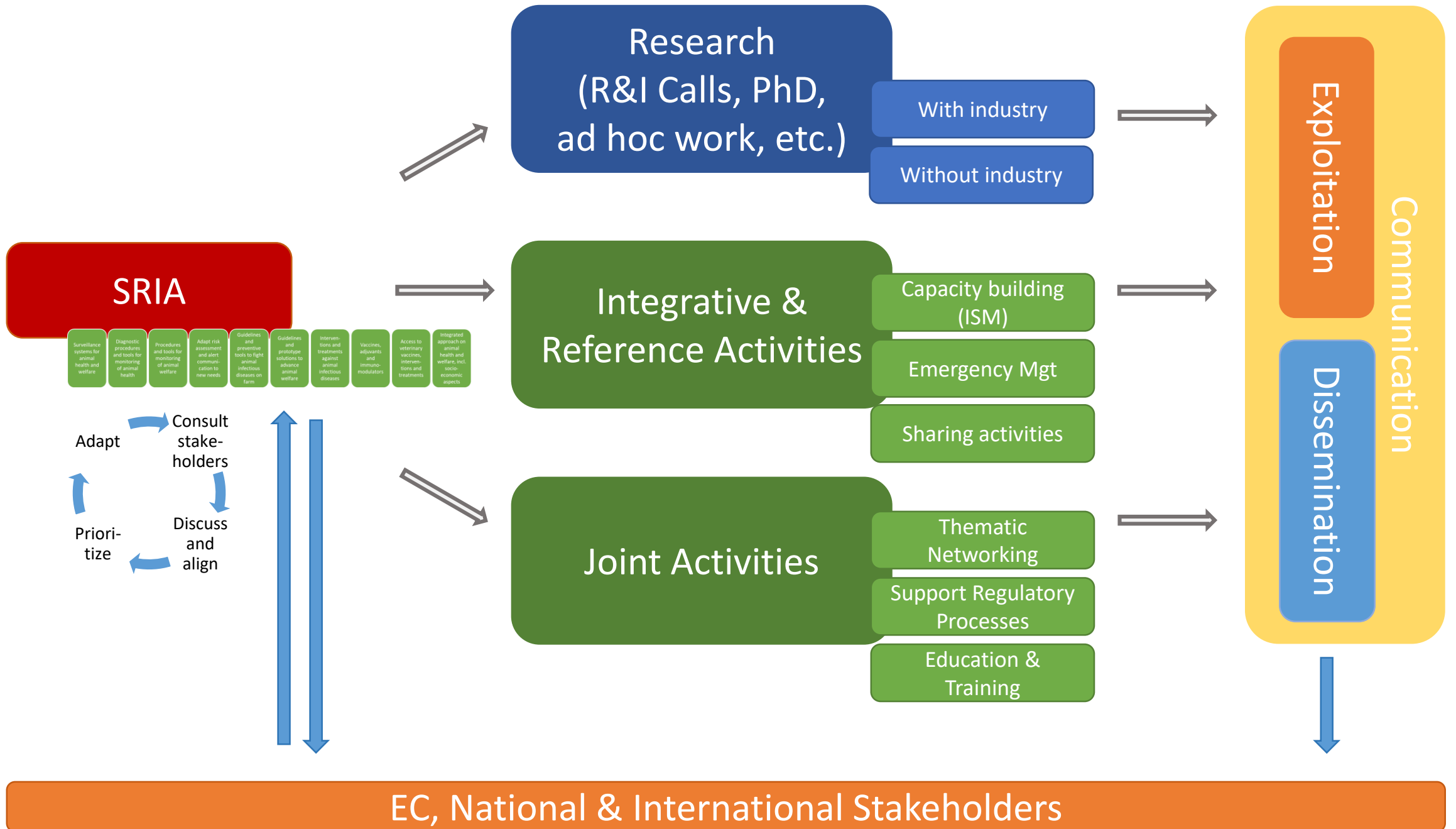
Study immune system
Develop tools
Develop & improve vaccines and immuno-modulators
Uptake by industry

Monitor PAHW projects
Manage IP
Support regulatory process
Procedures to support clinical studies

Social science studies AH and AW
Study incentives and barriers among farmers
Study the integration AH, AW and production

- *OO8. To develop new **vaccines** and **immune-modulators**.*
- *OO9. To **increase access to veterinary vaccines, interventions** and **uptake** of said vaccines interventions and treatments in the private sector.*
- *OO10. To develop an **integrated approach** on animal health and welfare including **socio-economic aspects** of animal health and animal welfare.*

See PAHW Dossier on EU website: [link](#)



Proposed mixed scenario

Research Performing
Organizations, RPO

Funding
Organizations, FO

Private

- Research activities performed both through external open and internal calls, plus activities performed internally.
- **External open R&I calls**
 - Aiming at **generating knowledge**, possibly by **including private partners** and/or **external research centres** in the research, e.g. **to bring in new technologies** for diagnostics or vaccine development etc., to facilitate uptake by industry, or in case **additional expertise** is needed that is not available in the partnership consortium.
 - Organized by Funding Organizations (so called **cash funding**; EC co-funding as financial support to third parties).
 - All infectious diseases, both basic and applied research.
- **Internal R&I calls**
 - **Reinforce cooperation** among research centres, reference laboratories/centres (i.e. RPO), with **specific mandates** and expertise (e.g. regulated diseases and AMR; reference activities), or special experimental facilities; mainly **integrative research; policy driven research**, incl. **animal welfare**.
 - Limited to RPO that are member of the partnership; eligible costs are funded through **in-kind funding** from these RPO and with EU co-funding.
- **Other internal activities**, i.e. reference, integrative and other joint activities.

Categories of activities in the EUP AH&W

- **External open research**
 - Allow to include external RPO and/or private partners to bring in new technologies and additional expertise that is not available in the partnership consortium, and to facilitate uptake by industry.
- **Internal research**
 - Research for which the technologies and expertise are available within the consortium; to reinforce the cooperation among the partners, to strengthen their tasks for the authorities through setting up integrative research calls: capacity building, data sharing and risk assessment; policy driven research ('preparedness').
- **Reference and Integrative actions**
 - All non-research actions that support cooperation between partners to strengthen their duties to the authorities.
- **Joint activity**
 - Thematic networking, education & training (summer schools, workshops, PhD, etc.), support regulatory processes, etc.

Partnership Animal Health & Welfare

General Assembly
Beneficiaries representatives

Call Boards
To oversee the Call Office
Call Office

Internal Call Office
RPO only

Governing Board
*Authorities
EC + PMT representatives*

Management Team
CT + WP Leaders
Coordination Team
*Coordinator + deputies +
Support Team*

- EFSA, EMA, WOAH (OIE), FAO
- Other EU Partnerships
- Other networks & Consortia
- Industry
- Farmers, Vets
- Universities

STAKEHOLDERS CO

SCIENTIFIC ADV

National Mirror Groups

Ethics Advisory Board

Recommended;
AH&W experts
that decide on
representation
in GovB +
in Call Boards

EUP AH&W collaboration with ICRAD

- ERA-NET [ICRAD](#): International Coordination of Research on Infectious Animal Diseases.
- An online survey on AH and AW activities performed by ICRAD.
 - Based on **desk study** that identified research priorities in existing European and global strategic documents.
 - Various domains in line with **PAHW Dossier** (intervention logic).
 - Analysis by ICRAD is ongoing; **Focus Groups**, a **SRIA Workshop** (November 2022) and **broad consultation** until the beginning of 2023.
 - The objective is to identify research priorities, especially for the first 2 years.
- The AH&W SRIA needs to comply with the **EU criteria**, a.o. a well developed intervention logic + resources; monitoring framework for assessing the progress towards the objectives; identification of **other European Partnerships** with which to establish a formal and regular collaboration; plans for updating the SRIA.

Glossary of some project terminology

- Source: Horizon Europe Programme, Standard Application Form (HE Cofund) [link](#)
- **Results/outputs/deliverables**. Results are any tangible or intangible effect of the action, such as data, know-how or information. Results to which access can be given in the form of scientific publications, data or other engineered results and processes are referred to as **research and other output**. A **deliverable** is a report providing information to ensure effective monitoring of the project.
- **Outcomes**: The expected effects, over the **medium term**, of projects supported under a given topic. The results of a project should contribute to these outcomes, fostered in particular by the **dissemination** and **exploitation** measures. This may include the uptake, diffusion, deployment, and/or use of the project's results by direct target groups. Outcomes generally occur during or shortly after the end of the project.
- **Impact**: Wider **long term** effects on **society** (including the environment), the **economy** and **science**, enabled by the outcomes of R&I investments. It refers to the specific contribution of the project to the work programme expected impacts described in the destination.

Questions?

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