



**European Animal Health
& Welfare Research**

COLLABORATIVE WORKING GROUP

European Partnership on Animal Health & Welfare

A general presentation of the Partnership AH&W

November 2022

PAHW: WHY a Partnership?



- 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**
 - **Strengthen cooperation** and synergy and **avoid duplication** of work among countries.
- **Increased need for data management**, not least for broad surveillance and preparedness.
- Development, validation and uptake of products, require a **continuum in the R&I chain from low to high TRLs ...**
- To **join forces with AH industry** for maximal impact.

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

PAHW: building on past and existing initiatives





- **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
- **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

* Calls with opening dates in 2023-24

** Calls with opening dates not before 2022

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	

CROSS-PILLARS II AND III

European Open Science Cloud



Co-Funded EUP AH&W: the content

- **Scope**

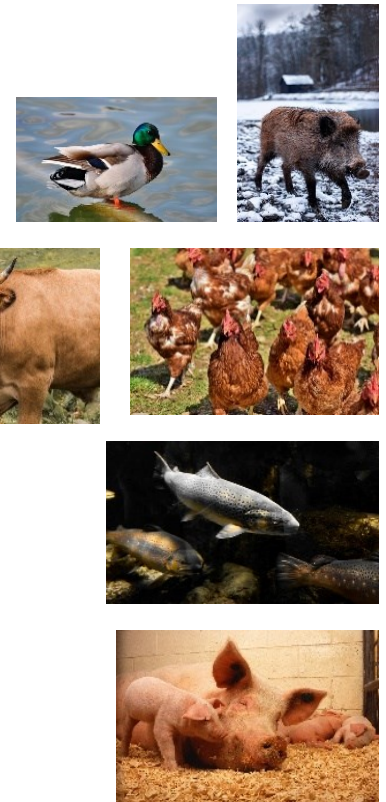
- Animal infectious diseases, including consequences for public health; animal welfare.
- Livestock (terrestrial and aquatic animals); wildlife and companion animals where relevant.

- **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**

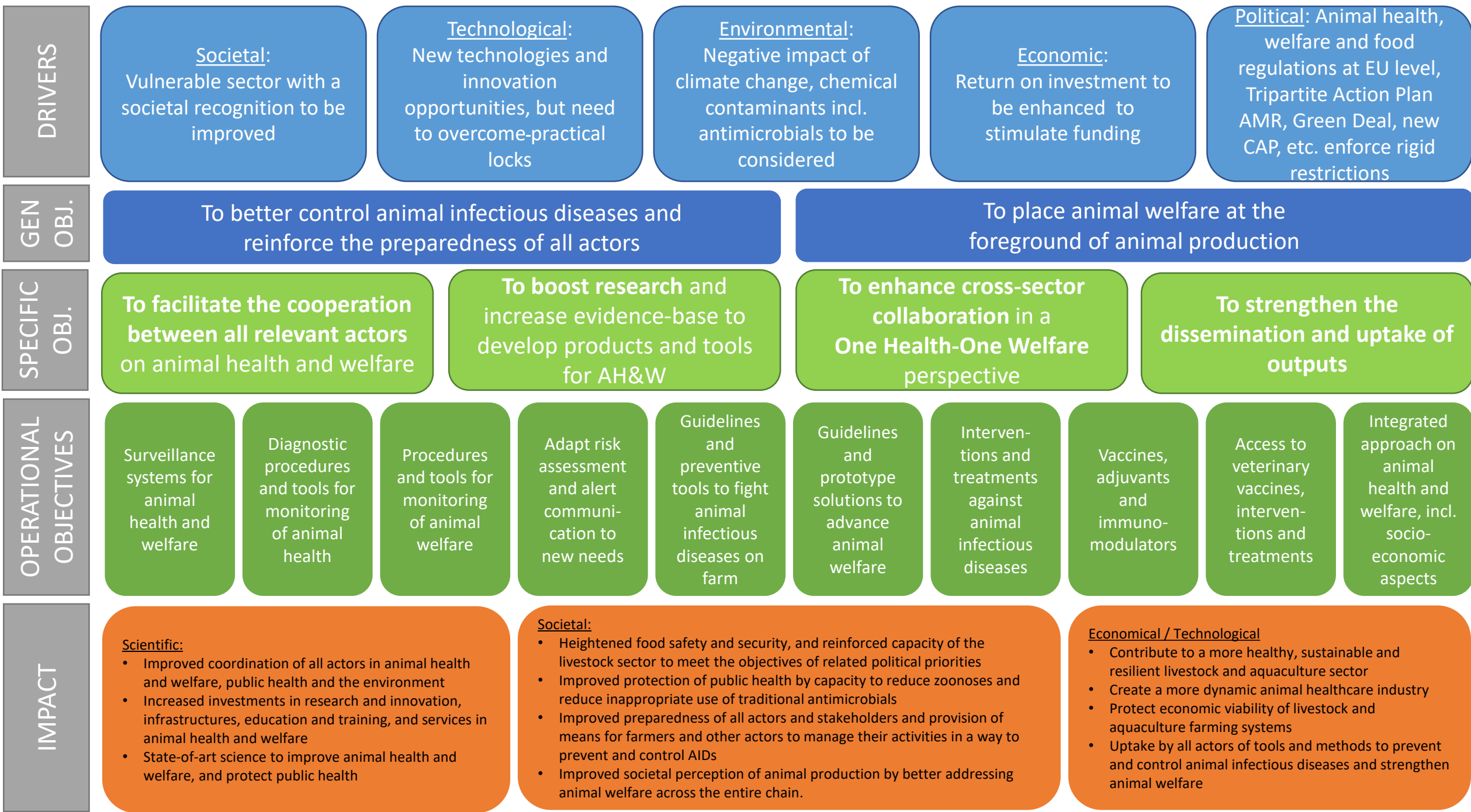
- Socio-economic & ecology: reduce the burden of animal infectious diseases.
- Science & Technology: increased knowledge in AH&W.
- Policy: national, European, international.



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**.



Operational objectives

- OO1. To design and harmonize **surveillance and monitoring systems** for animal health and welfare.
- OO2. To develop **diagnostic** procedures, methodologies and tools to support the monitoring of **animal health**.
- OO3. To develop **procedures, methodologies and tools** to support the monitoring of **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](#)

Operational objectives

- *OO5. To develop guidelines and preventive **tools** to fight against **animal infectious diseases on farm and during transport**.*
- *OO6. To develop guidelines and prototype **solutions that advance animal welfare on 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.*

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

Operational objectives

- *OO8. To develop new **vaccines** or improve existing vaccines, incl. adjuvants and immune-modulators.*
- *OO9. To **increase access to veterinary vaccines, interventions and treatments and uptake** of said vaccines interventions and treatments in the field.*
- *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.

Links with other initiatives

- EUP
 - accelerating farming systems transition: agroecology living labs and research infrastructures
 - Agriculture of Data
 - rescuing biodiversity to safeguard life on Earth
 - Safe and Sustainable Food Systems
 - One Health AMR
- CEPI, EVI
- STAR-IDAZ IRC, Discontools
- ...

Interested in collaboration or having questions?

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November 2022