



# Towards a European Partnership on Animal Health & Welfare (PAHW): status and priorities

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## PAHW: WHY addressing Animal Health and Welfare



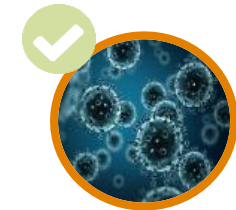
- AH&W a **Global Public Good**
- Livestock play a **major economic role** (€168 billion annually for EU)
- **20% of animal production loss** due to animal diseases worldwide (OIE)
- Increasing threats from **exotic diseases**, notably vector-borne diseases
- Increasing rate of emergence of **novel (zoonotic) pathogens**; jumps between species (SARS, SARS-Cov2)
- Major crises **disturbing trade** and jeopardising **consumer confidence** (BSE, ASF).
- **One Health**: Zoonoses and Antimicrobial resistance (AMR) are serious health threats
- **Societal concerns** about the conditions under which animal production takes place and the level of **animal welfare**

# PAHW: policy/regulatory environment

SDGs:



Green Deal, notably Farm to Fork strategy:  
sustainable agriculture  
target on reduction AM sales  
review of animal welfare legislation



-50%

EU Animal Health and Welfare regulatory framework

EU One Health Action Plan against AMR

## PAHW: WHY a Partnership?



- ✓ **No single Member State** has the capacity on its own to address the challenges faced (developing new vaccines and diagnostic tools, understanding epidemiology of diseases etc.)
- ✓ **Duplication** of work among countries
- ✓ **Insufficient AH industry interest or investments** in certain domains
- ✓ **Increased need for data management**, not least for broad surveillance
- ✓ Development and 'validation' of products, require a **continuum in the R&I chain from low to high TRLs ...**

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

# PAHW: WHY a (co-funded) Partnership?

- ✓ **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: 1<sup>st</sup> call over €20million
  - ✓ For AW: also SusAn and Core-Organic
- ✓ Behind these: **SCAR CWG Animal Health and Welfare** (over 20 countries)
  - ✓ Also SCAR FISH
- ✓ **International Research Consortium** (STAR-IDAZ IRC), opening new avenues for global cooperation.
- ✓ (ETPGAH and) **DISCONTTOOLS**



*The **momentum** is there to strengthen the level of collaboration between public entities, and with the private sector, but shifting gear is necessary.*

# New approach to European Partnerships

## Conditions for launching a partnership:

- SRIA to demonstrate partners' common strategic vision
- Ex-ante long-term commitment from partners

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

## Key features

- **Strategic orientation**
- **Common set of criteria for the life-cycle (Horizon Europe regulation Article 10 and Annex III)**
- **Systematic approach**
- **Simple architecture and toolbox**

### Co-programmed

Based on contractual arrangement / MoU; implemented independently by the partners and by Horizon Europe

### Co-funded

Based on a joint programme agreed by partners (Grant Agreement); MS/ACs design a common programme to be implemented under their responsibility.

### Institutionalised

Partnerships based on Articles 185 /187 of TFEU and the EIT-Regulation supported by Horizon Europe. Implementation by a dedicated structure.



# 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	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
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 European Partnership

- **Member States design a common programme** to be implemented under their responsibility. It pools national funding/resources with co-funding from the Union.
- Legal form: **Grant Agreement** (for a “programme co-fund action”) signed between a **consortium** of beneficiaries and the Commission (Executive agency for the implementation)
- EU funding rate *to the partnership*: 30% (in justified cases up to 50%)
- **Calls for proposals are organised by the partnership** (published on EU Tenders Portal)
- Beneficiaries in selected projects are **funded at national level** (on the basis of rules agreed by partners).
- Important to **define ex-ante**:
  - **Types of partners needed** to form the partnership (consortium);
  - Stakeholders that provide strong input to **priority setting** ← **role of ministries**
  - Stakeholders and target groups addressed/ involved by the activities implemented



# Co-Funded Partnership Animal Health and Welfare : WHAT

- **Scope:**

- Animal infectious diseases, including impact on 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 evidenced based policy making
- Strengthen ERA and leverage resources in animal health and welfare



- **Impact:**

- Help reduce socio-economic and environmental impact of animal infectious diseases
- Improve animal welfare
- Protect the economic viability of farms
- Produce safe food and be beneficial for public health



# Partnership Animal Health and Welfare: draft Intervention Logic

DRIVERS

Societal: Vulnerable sector with low societal recognition

Technological: New technologies are available but expensive; opportunities for innovation exist but difficult to reach

Environmental: Variable external conditions (climate change, chemical contaminants incl. antimicrobials, etc.)

Economic: Sub-optimal investment; veterinary pharmaceutical sector is less profitable than in public health

Political: Animal health, welfare and food regulations at EU level, Tripartite Action Plan AMR, Green Deal, new CAP, etc. enforce rigid restrictions

GENERAL OBJECTIVES

**To reinforce the preparedness of all actors** involved in animal health (and animal welfare) against animal infectious diseases

**To place animal welfare at the foreground** of livestock production

**To enhance cross-sector collaboration** to prevent the spill-over from animals, food and the environment to humans

SPECIFIC OBJECTIVES

**To facilitate the cooperation between all animal health and welfare actors** on the monitoring, prevention and treatment of animal infectious diseases

**To boost research and to increase the evidence-base to develop products and tools** for animal infectious disease and animal welfare monitoring and control

**To strengthen the communication and dissemination of project outcomes to scientific, societal, political and private stakeholders**

OPERATIONAL OBJECTIVES

Surv. System animal health

Surv. System animal welfare

Support monitoring animal health

Support monitoring animal welfare

Risk Assessment animal health

Risk Assessment animal welfare

Prevention against AID on farm

Prevention regarding animal welfare on farm

Treatment of priority animal infectious diseases

Vaccines

Alternatives for anti-microbial use

Socio-economic initiatives

# Potential members and stakeholders being considered

## **Consortium members**

- *European research centres working on infectious animal diseases and animal welfare*
- *National and EU Reference Laboratories (Animal Health/AMR/Food safety) and Centres (Animal Welfare)*
- *National and regional funding agencies*

## **Stakeholders:**

- **Universities**
- **Relevant industry partners** (animal sector, diagnostics & pharmaceuticals)
- **Other relevant stakeholders:** initiatives, agencies/authorities (e.g. EFSA, EMA, OIE..), advisory services

# Building PAHW: state of play

**Up to June 2019:** discussion initiated with SCAR CWG AHW and early fiche developed by EC for consultation of Member States (AH only)

**From Autumn 2019:** mainly CWG AHW 'Task Force' meetings with AGRI + *exploratory discussion with AHE, D4A*; extension to AW

**May 2020:** preliminary dossier drafted by CWG AHW TF and AGRI, in consultation with EC services, *AHE&D4A*

- circulated to CWG AHW, National contact persons designated in 2019, EC services
- submitted to RTD (Unit Partnerships for early review)

**Feb/March 2021:** Setting up of 4 expert working groups to work on 'what': Surveillance, Diagnostics, Farm management, Vaccines and Treatment (+ AMR; Fish)

**March 2021:** publication of HE Strategic Plan 2021-2024: PAHW in the list of candidate European Partnerships

**From June 2021:** EC Webinar; establishment of extended Core-Group to work on 'How' ; reflection on SRIA development

## Timeline CoF partnerships preparation for WP2023-2024

### Partnership proposal

Draft by end Dec 2021 -> RTD review  
Approved version January 2022  
Commitment letters sent Jan/Feb 2022

### SRIA

SRIA process start end 2021  
SRIA finalised end 2022

### Horizon Europe Work programme 23-24

First draft Jan 2022  
ISC ready version with topics mid-2022  
Publication end 2022/ beginning 2023

### Application & GAP

Application by .. 2023  
Grant by .. 2023-... 2024:  
*SRIA to be adopted by  
partnership*