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**European Animal Health
& Welfare Research**

COLLABORATIVE WORKING GROUP

BREAKOUT SESSION 2

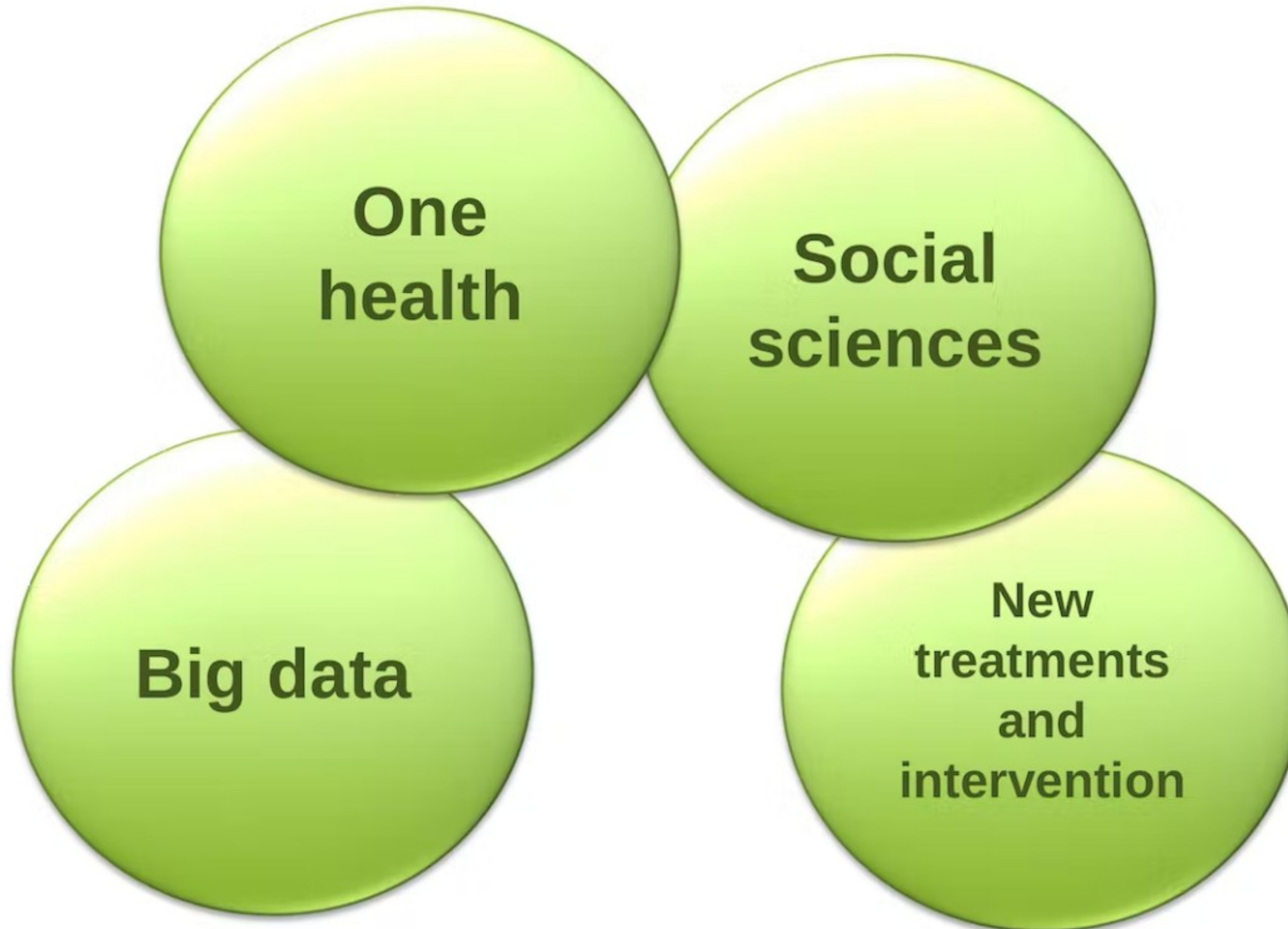
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Aims of breakout 2

- The aims of this breakout session are:
 - **Inform** the audience how the EUP AH&W will deliver **practical and relevant outcomes** related to the fields interesting for the stakeholders, and how the Partnership expect to create an impact in line with their strategies
 - **Discuss** with the audience whether a selection of **broad areas of work** for AH&W research and innovation needs meet their ambition, and should be highlighted in the SRIA
 - **Consult** the audience to determine the level of **alignment and feasibility of the proposed selection of expected outcomes** with their strategies
 - **Initiate the discussion** whether and how the stakeholders can **interact and contribute** to develop activities (tools, data, expertise)

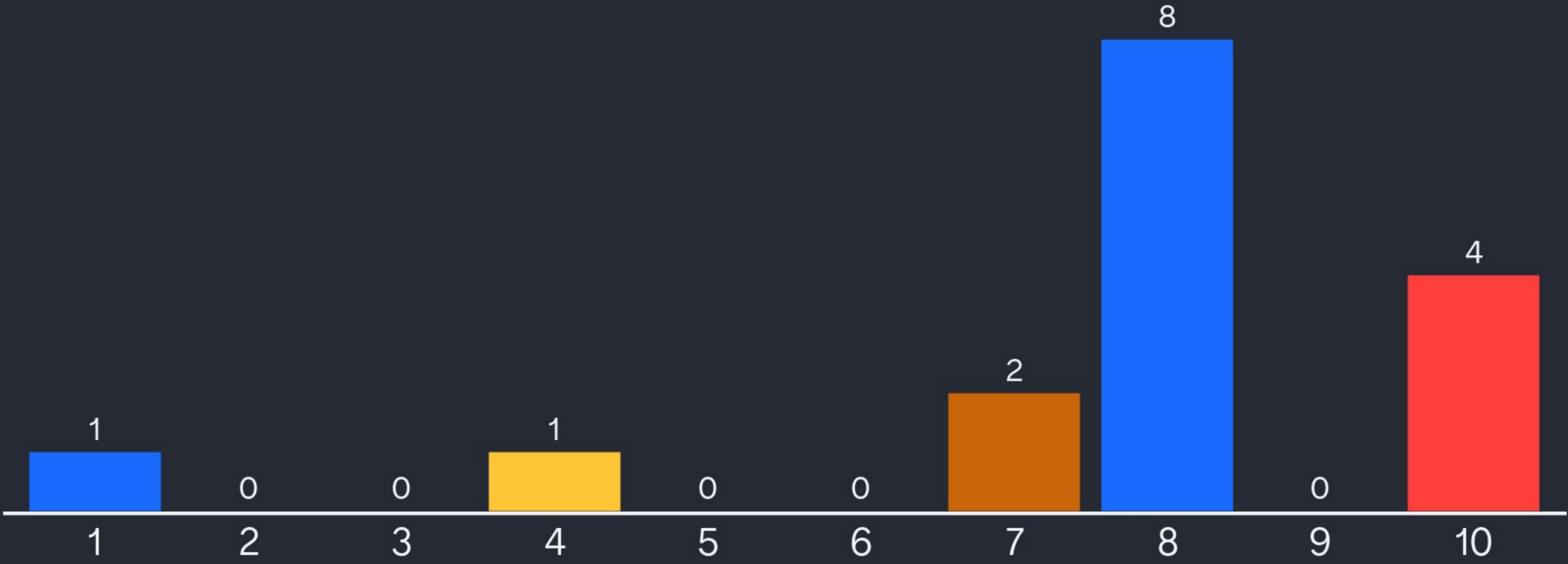
First exercise



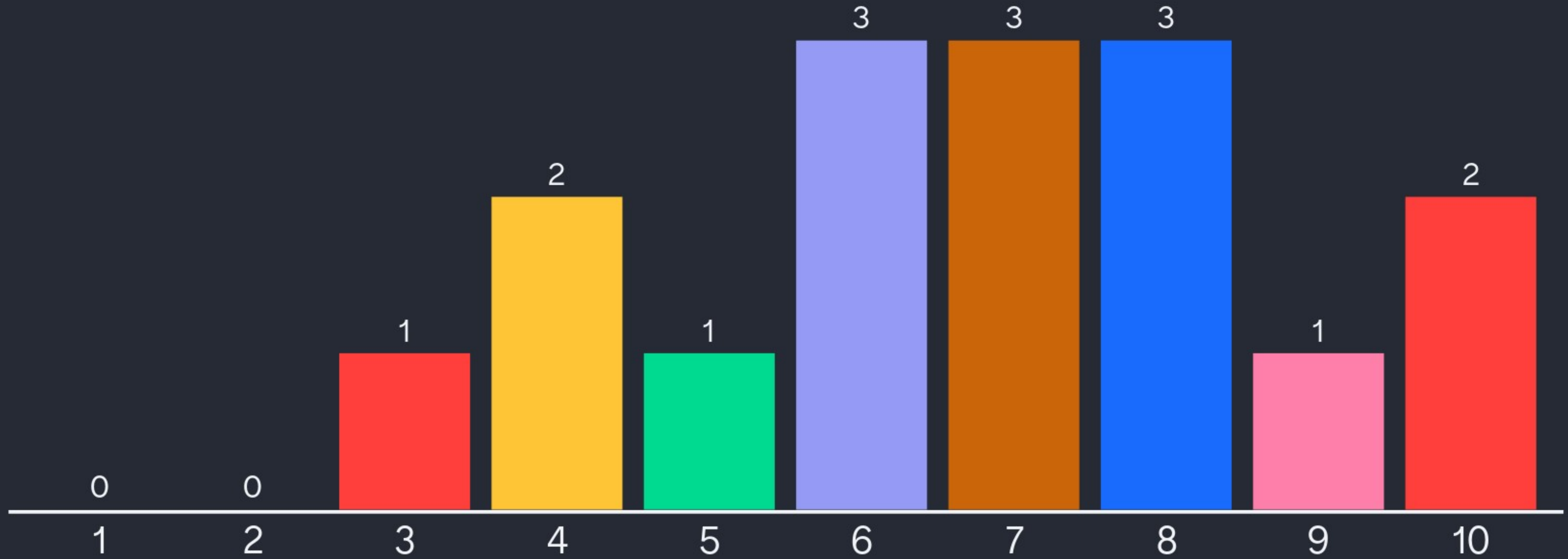
To what extent will the EUP PAH&W contribute to these domains?

- Rate from 0 to 10 each domain through Mentimeter
- Please raise your hand and give us your opinion!

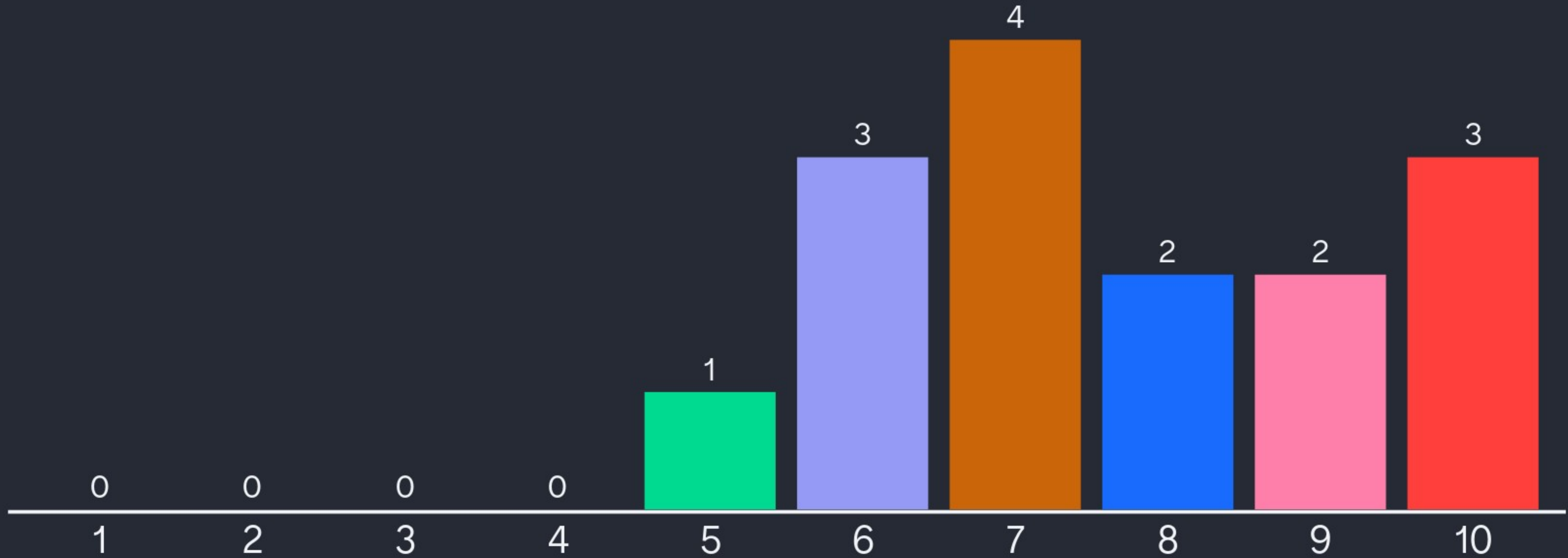
Score these broad areas of work: One health



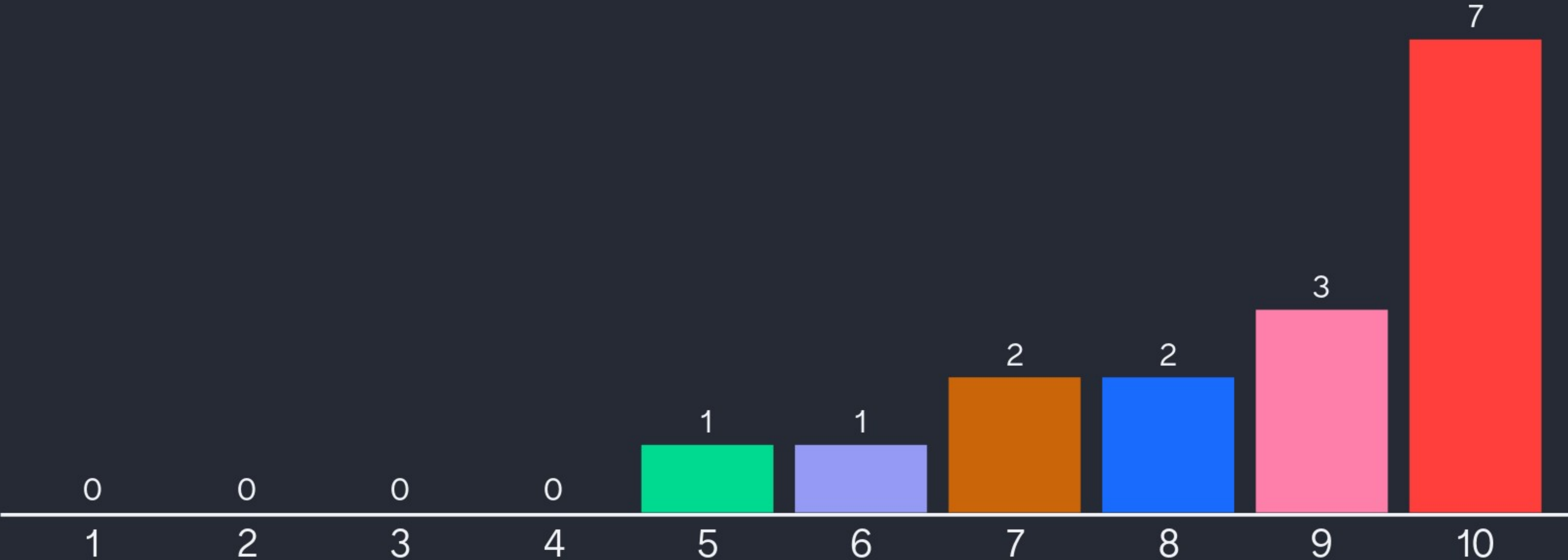
Score these broad areas of work: Big data



Score these broad areas of work: Social sciences



Score these broad areas of work: New treatment and intervention



Second exercise: strategic needs (1/3)

Surveillance

- Systematic collection of animal health and welfare data
- Improve surveillance methods and set up new ones where needed
- Improve surveillance tools to monitor e.g. weather, vector and disease spread.
- Improved cooperation between researchers, advisors, farmers, veterinarians and other relevant actors

Please rate each item from 0 to 10 according to its added value to your strategy, as a stakeholder

Risk assessment

- Risk assessment on human and animal health and welfare related to circular and/or alternative farming systems
- New networks that bring together e.g. bio-informatics, modelling and epidemiology
- Adapt and develop new methodologies to integrate and harmonise genomic surveillance data.



Surveillance

Systematic collection of animal health and welfare data

7.9

Improve surveillance methods and set up new ones where needed

8

Improve surveillance tools to monitor e.g. weather, vector and disease spread.

8.4

Improve cooperation between researchers, advisors, farmers, veterinarians and other relevant actors

8.7



Risk Assessment

Risk assessment on human, animal health and welfare related to circular and/or alternative farming systems

6.1

New networks that bring together e.g. bio-informatics, modelling and epidemiology

7.6

Adapt and develop new methodologies to integrate and harmonise genomic surveillance data

8

Second exercise: strategic needs (2/3)

Diagnostics

- Foster basic research (e.g. immunology, microbiology, virology, pathology) and translational studies to support the development of new diagnostic tools (also including welfare indicators) and their standardisation
- Optimise sampling, transport, storage, treatment strategies suitable for the detection of diseases in free-ranging or wild animals
- Strengthen the dissemination and uptake of diagnostic tools and welfare indicators

Please rate each item from 0 to 10 according to its added value to your strategy, as a stakeholder

Intervention and treatments & vaccines

- Basic research and translational studies
- Develop bioinformatics and mathematical modelling approached to study efficacy of new treatments and interventions
- Improve regulatory process for novel and innovative vaccines and treatments



Diagnostics

Foster basic research (e.g. immunology, microbiology, virology, pathology) and translational studies to support the development of new diagnostic tools and their standardisation

8.1

Optimise sampling, transport, storage, treatment strategies suitable for the detection of diseases in free-ranging or wild animals

7.8

Strengthen the dissemination and uptake of diagnostic tools and welfare indicators

8.4



Intervention and treatments & vaccines

Basic research and translational studies

8

Develop bioinformatic and mathematical modelling approaches to study efficacy of new treatment and immunology and interventions

8.1

Improve regulatory process for novel and innovative vaccines and treatments

8.4

Second exercise: strategic needs (3/3)

Social sciences

- Expand and make the animal health and welfare knowledge available
- Combat disinformation and support public health policies
- Invest appropriate structures and human and economic

Please rate each item from 0 to 10 according to its added value to your strategy, as a stakeholder



Social sciences

Expand and make the animal health and welfare knowledge available

8.4

Combat disinformation and support public health policies

8.3

Invest appropriate structures and human and economic

6.8

Third exercise: expected outcomes (1/3)

Surveillance

- Better prediction strategies and control measures to respond to potential new epidemics/pandemics
- More accurate identification, source attribution and prediction of hotspots of emergence and disease transmission
- Development of animal health and welfare surveillance systems
- Integration and better use of existing data and data analysing techniques for animal health and welfare to inform future initiatives

Please rate each item from 0 to 10 for feasibility under the EUP AH&W.

Risk assessment

- Improved decisions on prioritization of targeted risk assessment (which pathogen(s) and management or control strategies)
- Science-based understanding of virulence and transmission dynamics and recommendations to improve surveillance, laboratory work, risk assessment and -management.
- Deepen understanding of what constitutes as poor welfare and what can encourage positive welfare on-farm, during transport and at slaughter to minimise stress and poor welfare conditions



Surveillance

Better prediction strategies and control measures to respond to potential new epidemics/pandemics

8.1

More accurate identification, source attribution and prediction of hotspots of emergence and disease transmission

8.2

Development of animal health and welfare surveillance systems

8

Integration and better use of existing data and data analysing techniques for animal health and welfare to inform future initiatives

8.5



Risk assessment

Improved decision making informing decisions on prioritization of targeted risk assessment (which pathogen or pathogens) and management or control strategies

7.1

Science-based understanding of virulence and transmission dynamics and recommendations to improve surveillance, laboratory work, risk assessment and -management

8.2

Deepen understanding of what constitutes as poor welfare and what can encourage positive welfare on-farm, during transport and at slaughter to minimise stress and poor welfare conditions

8.9

Third exercise: expected outcomes (2/3)

Diagnostics

- Diagnostic tools to rapidly detect AMR and AHR on farms and within the environment.
- Novel biomarkers (pathogen, host response/vaccine efficacy, drug resistance/efficacy, variants, zoonotic potential, infectivity/virulence, vectors, environment)
- Feasible indicators of negative/positive welfare for different farm animal species

Intervention and treatments & vaccines

- New molecules or therapeutics for potential use in veterinary medicine
- Deep understanding of economic and social consequences of novel therapeutic strategies

Please rate each item from 0 to 10 for feasibility under the EUP AH&W.



Diagnostics

Diagnostic tools to rapidly detect AMR and AHR on farms and within the environment

8.1

Novel biomarkers (pathogen, host response/vaccine efficacy, drug resistance/efficacy, variants, zoonotic potential, infectivity/virulence, vectors, environment)

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Feasible indicators of negative/positive welfare for different farm animal species

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Intervention and treatments & vaccines

New molecules or therapeutics for potential use in veterinary medicine

7.9

Deep understanding of economic and social consequences of novel therapeutic strategies

8.1

Third exercise: expected outcomes (3/3)

Social sciences

- Ensure an effective and coordinated response to future emergencies, in defense of health and the most relevant economic sectors
- Reduce gap among regulatory authority and science producers
- Rebuild a trust in communication with all stakeholders

Please rate each item from 0 to 10 for feasibility under the EUP AH&W.



Social sciences

Ensure an effective and coordinated response to future emergencies, in defense of health and the most relevant economic sectors

8.4

Reduce gap among regulatory authority and science producers

7.2

Rebuild a trust in communication with all stakeholders

8.1

Questions – round 1: yes/no

According to your perception, is the added value of the partnership clear and well communicated?

Do you think that the delineation between the scope of the partnership and that of other initiatives at national and EU level (and the potential for synergies) is feasible?

Considering that the partnership ideally follows a Europe-wide approach, do you see possible alignment between the assessment and the situation in your country?



According to your perception, is the EU added value of the partnership clear and well communicated?



Do you think that the delineation between the scope of the partnership and that of other initiatives at national and EU level is feasible?



Considering that the EUP AH&W ideally follows a EU-wide approach, do you see possible alignment between the assessment and situation in your country



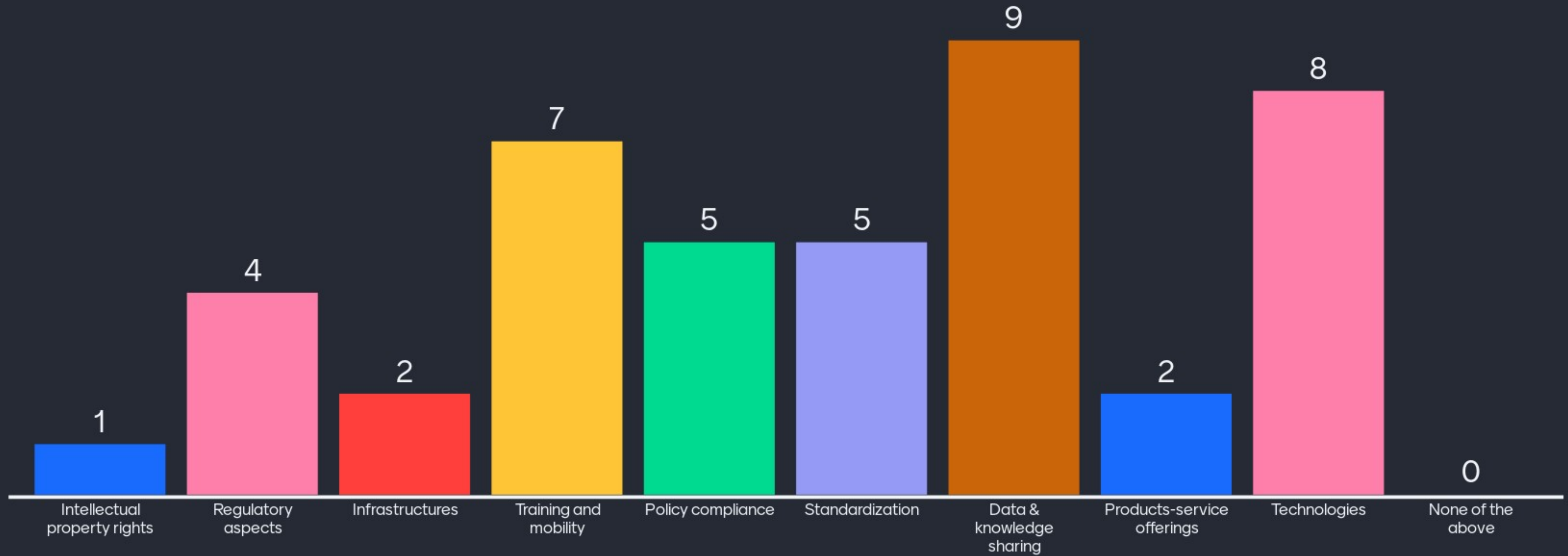
Questions – round 2: open answers

In which specific area(s) of work is your organization/authority/sector more active/interested in and what could you provide?

	Low interest	Medium interest	High interest
Intellectual Property rights			
Regulatory aspects			
Infrastructures			
Training and mobility			
Policy compliance			
Standardization			
Data & knowledge sharing			
Products-service offerings			
Technologies			
None of the above			



Please indicate 3 areas in which your organisation is most interested and what could you provide



Questions – round 2: open answers



Do you foresee any additional outcome that could be expected and that would be important to consider?



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Improve of concrete OH approach through networking

Better circular economy

Improved consumers awareness on AW

networking

Ability to tackle global challenges, include with other sectors (development agencies BMGF etc)

Harmonisation on the application and implementation of animal health protocols and best practice guides in the EU

wildlife aspects are mentioned on just a few occasions - there might be more changes for useful integration and/or overlap with previous EU projects

effects og climate change

Actions toward OH institutionalisation

Do you foresee any additional outcome that could be expected and that would be important to consider?

Integration of AHW with food systems.

Attract investments

larger geographical implementations

Remove negative press about animals

Coordination of research and innovation within Europe and globally

Genetic resistance to disease Valorization of native breeds

Improved scientific evidence and methods to characterise the link between antibiotic use and AMR in animals and humans

Better knowledge on host pathogen interaction especially for Trans boundary diseases and zoonoses

Wildlife control and mitigation... (ASF)

Do you foresee any additional outcome that could be expected and that would be important to consider?

Integrate of AHW with food system; valorisation of native breeds, Remove negative press about animal, better knowlge on host pathogen interaction especially for tranboundry diseases and zoonosez

Improve knowledge on economic impacts of Animal diseases

Better control in AID which severely impact on economy



THANK YOU FOR YOUR PARTICIPATION!

