Interactions with stakeholders: targeted dissemination, support, and advocacy. The example of the One Health EJP

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To have impact results should be useful for the stakeholders

A stakeholder is any group or individual that
can affect or is affected by the achievement of an organisation's objectives
[Freeman, R. Edward. 1984. Strategic Management: A Stakeholder Approach Boston: Pitman Publishing]

Realisation:		Response:
1. Scientific and integrative activities have to address stakeholders' needs to be impactful	→	1. The Research Agenda has to be set up based on stakeholders' needs from the very beginning
2. Stakeholders' needs evolve in time	→	2. Exchanges have to be kept throughout the project to understand evolving interests and adapt interactions accordingly
3. The One Health arena evolves in time	→	3. Stakeholder groups can be changed (e.g. enlarged to include additional sectors)

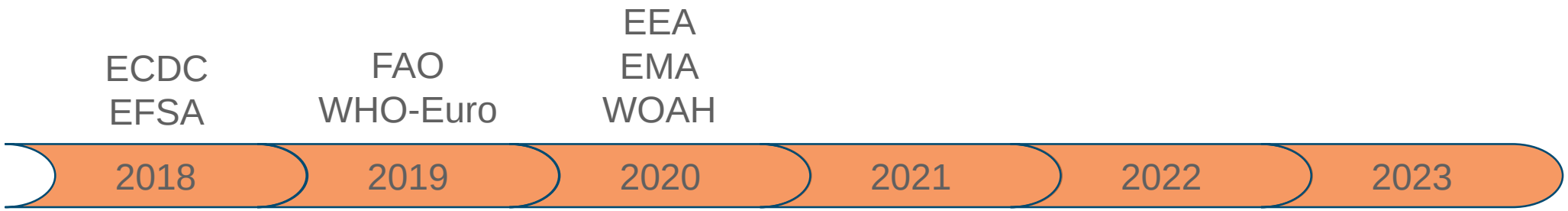
Regular exchanges are important!

Identification of stakeholders and setting up appropriate interactions

For One Health EJP, One Health =
Animal health + Food safety + Public health

	National stakeholders: Ministries of agriculture and health	ECDC,EFSA: Key EU Stakeholders	EEA, EMA: Other EU stakeholders	FAO, WOAH, WHO-Euro: International stakeholders
Approval of the Research Agenda	X			
Consultation to define scientific topics	X	X		
Target of targeted dissemination	X	X	X	X
Continuous support		X	X	X

Appointment of official contact points



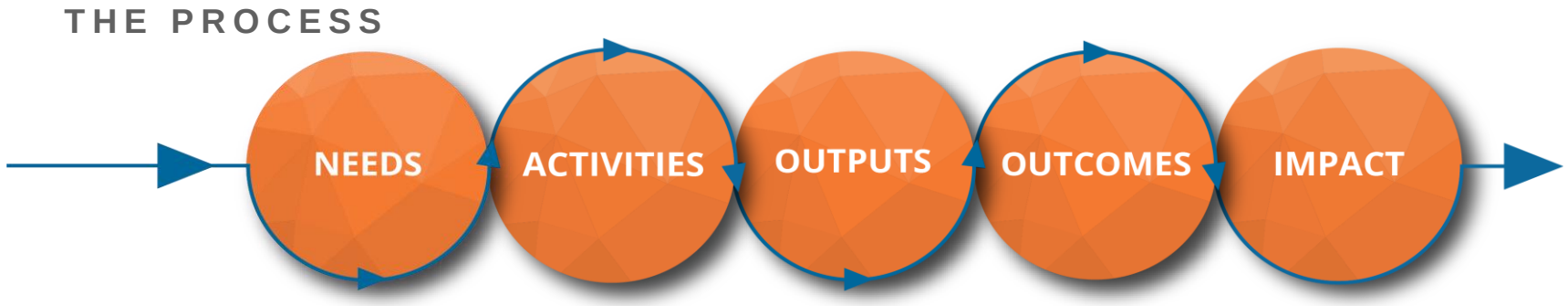
- To find the right person: understand the structure of each agency and identify high-level person (expert in One Health topics and knowledge of strategic direction of agency)
- Take contact:
  - Make best use of previous contacts
  - Publish ad-hoc reports that relate the needs of the stakeholders with your expertise (Examples from One Health EJP are available here). More on this later!

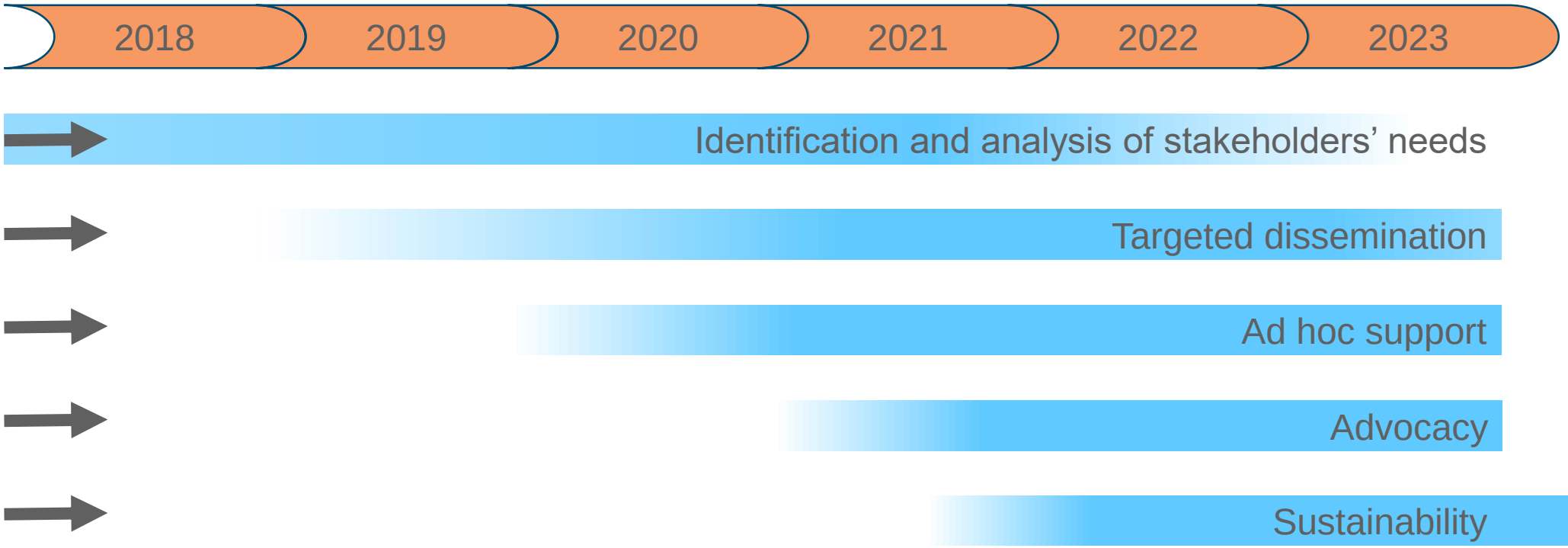
Thematic Reports:

The Stakeholders Committee

- Committee of appointed representatives with knowledge of strategic directions of their agencies/organisations, and experts in cross-sectoral collaboration: ECDC and EFSA (Key EU Stakeholders), FAO, WOAH, WHO-Euro, EEA, EMA
- Stable group increasingly familiar with the One Health EJP
- Regular meetings (twice per year):
  - Report on the development of the consortium
  - Targeted dissemination of results
  - **Discussion on the impact of the presented results**
  - **Discussion on the needs of the stakeholders**
  - **Discussion on mutual support**

Stakeholders‘ engagement and priorities over time 2018-2023





More insights on targeted dissemination to stakehodlers

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Targeted dissemination is the first step towards uptake

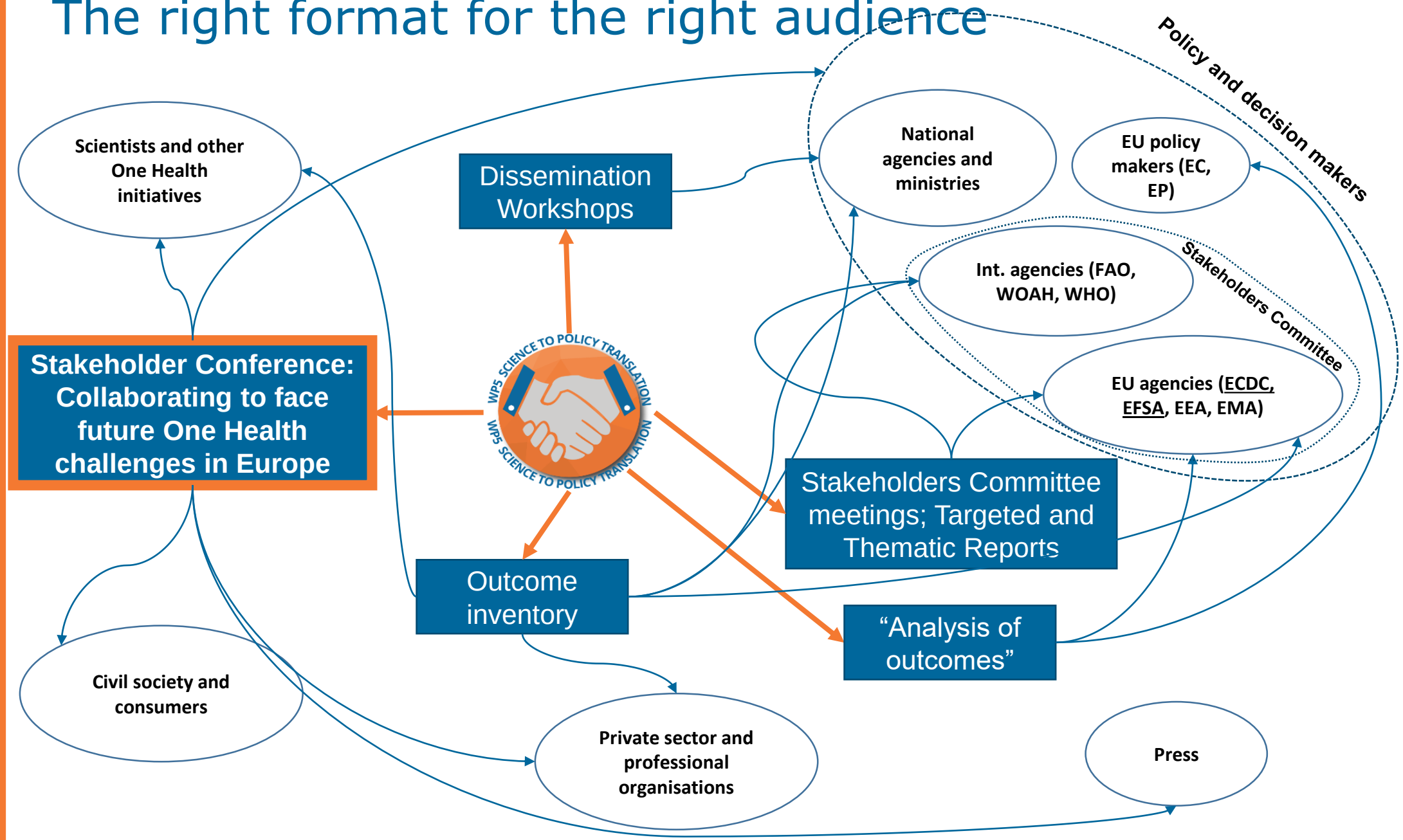
To relate the needs of the stakeholders with the consortium's:

- Expertise (*we have the capacity to assist you*)
- Outcomes (*we have a tool, and it is ready to use*)
- Knowledge (*we have a scientifically solid advice*)

Important to:

- Adapt the language and format to the target audience
- Be timely

The right format for the right audience



One Health EJP Thematic Reports

- Link between **needs of stakeholders** and One Health EJP expertise
  - International stakeholders (FAO, OIE, WHO)
  - European Medicine Agency
  - European Environment Agency

- **Topic-related reports** on aspects addressed in One Health EJP activities
  - Antimicrobial Resistance
  - Environmental aspects
  - COVID-19 related needs

Publicly available: https://onehealthejp.eu/outcomes/science-to-policy-translation/reports

Thematic Reports:

One Health EJP Targeted Reports to Key EU Stakeholders

- **Targeted to ECDC and EFSA**, also for the use of EEA, EMA, FAO, WOAH and WHO
- Updates on the consortium, information on upcoming events of interest for ECDC and EFSA
- Regularly published twice per year to keep stakeholders up to date and as background for Stakeholders Committee meetings

Not publicly available!

Dissemination Workshop series

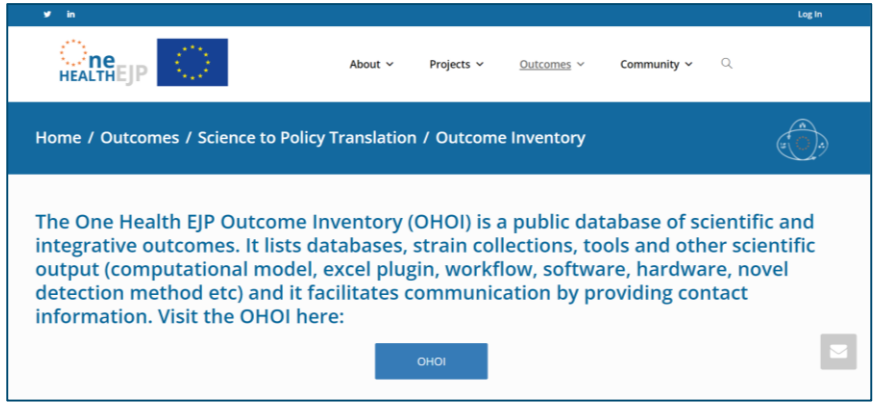
- Target: national stakeholders -> various technical backgrounds
- Topics communicated directly by stakeholders:
  - **Metagenomics**
  - improving **One Health preparedness** to (re)emerging infectious threats
  - **Joint SimEx/Dissemination Workshop** lead by WP4
- By invitation only, but reports publicly available through [WP5 webpage]

Diss. Workshops' Reports:

One Health EJP Outcome Inventory (OHOI)

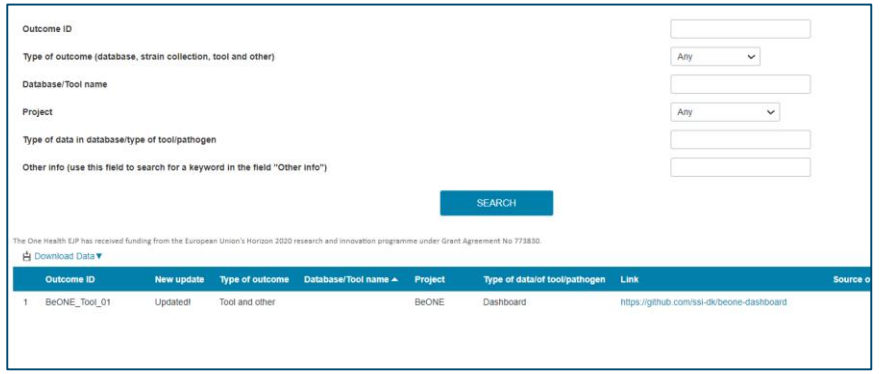
Public database of **scientific** and **integrative outcomes**: https://onehealthejp.eu/outcome-inventory/

- databases, strain collections, tools and other scientific outputs (computational model, excel plugin, workflow, software, hardware, novel detection method etc)
- facilitates communication by providing contact information



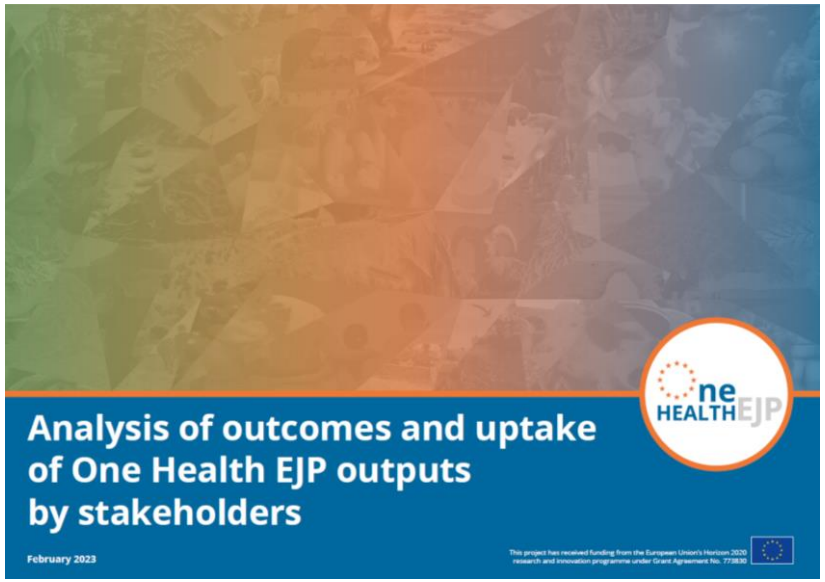
OHOI:

- Main features
  - Open access
  - Easy to use: search by keywords
  - Regular updates
  - Entries validated by projects coordinators
- Important for impact



Analysis of outcomes for uptake by stakeholders

Full deliverable:



Only table:

JOINT INTEGRATIVE PROJECTS (JIP)	INTEGRATIVE STRATEGIC ACTIVITIES	JOINT RESEARCH PROJECTS (JRP)		
		FOODBORNE ZOONOSES	ANTIMICROBIAL RESISTANCE (AMR)	EMERGING THREATS
MATRIX: solutions to support and advance One Health surveillance	Design and implementation of surveillance activities	AIR-SAMPLE: air filters to detect *Campylobacter* in broiler houses		
COHESIVE: pathway analysis of detection of outbreaks		NOVA: code to model disease spread and explore disease surveillance options		
OH-HARMONY-CAP: diagnostics, laboratories capabilities, capacities and interoperability collection tool	Laboratory methods	METASTAVA: Guidelines for sequence based metagenomics disease surveillance	IMPART: updated and improved detection protocols multicentre evaluation study results. New ECOFFs of veterinary antibiotics	TOX-Detect: database of protein profiles of foodborne toxogenic bacteria
		TOXOSOURCES: Harmonised Methods for detecting *Toxoplasma gondii* contamination in fresh produce	FARMED: Detection and Characterisation of unauthorised genetically modified microorganisms	MAD-Vir: Tool to detect known viruses and discover new viruses
			WORLDCOM: predict/detect AMR from microbial samples and genomic sequences	TELE-Vir: portable toolbox for identification and characterisation of emerging virus threats
			MedVetKlebs: The ZKIR Assay, a Real-Time PCR method for the detection of *Klebsiella pneumoniae* in environmental samples	IDEMBRU: toolbox for rapid detection/identification of emerging *Brucella* species
				MEmE: detection tools standardisation and data collection tools on *Echinococcus multilocularis/granulosus* in the food chain
				PARADISE: novel genotyping schemes and detection strategies for *Cryptosporidium* and *Giardia* detection

- Ensure that the main scientific outputs, protocols, databases, and other strategic integration activities will be sustainable beyond the lifetime of the project
- List of outcomes that address some of the needs of ECDC, EFSA, DG-HEALTH and DG-AGRI (and beyond).
- Available as full deliverable or as branded table

JOINT INTEGRATIVE PROJECTS (JIP)	INTEGRATIVE STRATEGIC ACTIVITIES	JOINT RESEARCH PROJECTS (JRP)		
		FOODBORNE ZOONOSES	ANTIMICROBIAL RESISTANCE (AMR)	EMERGING THREATS
CARE: database of strains and genomes for quality control analysis in food safety	Reference material and data	LISTADAPT: Algorithm for selecting strains to explore the diversity of strains circulating	ARDIG: collection of large number of genomes that can be used as reference material for AMR confirmation	
ORION: framework for understanding and information exchange - One Health Surveillance Codex	Interpretation of surveillance data	ADONIS: decision making tool to determine causes and best interventions in human *S. Enteritidis* infections	ARDIG: Comparibility between antimicrobial usage and AMR data, to improve AMR surveillance	
COVRIN: models for risk assessment of SARS-CoV-2		BeONE: integrative solutions for foodborne pathogens surveillance	FULL-FORCE: data on plasmid structure and variability of drug resistant organisms	
COHESIVE: information system that stores genomics data and metadata of pathogens from different countries (demo)		DISCoVeR: models and methods for attributing human foodborne infections to animal, food and environment sources		
		TOXOSOURCES: methods to evaluate the relative contribution of different sources of *Toxoplasma gondii* infections		
		MedVetKlebs: Multicentric Study of *Klebsiella Pneumoniae* in European food products		
COHESIVE: Risk Analysis System for zoonoses; FoodChain-Lab web application to trace suspicious food items; quantitative shiny Rrisk application assessment toolbox; risk assessment Decision Support Tool	Cross-sector communication of data	BIOPIGEE: education and training activities	FULL-FORCE: tool box for Single Molecule Real Time sequencing for AMR surveillance	
		NOVA: mathematic models for data combination and analysis for One Health syndromic surveillance systems	FED-AMR: new data on the role of extracellular DNA as an AMR source and on AMR spread in agricultural environment	
ORION: solutions for interoperability to improve data FAIRness - OHEJP Glossary, One Health Linked Data Toolbox, Health Surveillance Ontology			RaDAR: modelling methodology for AMR specific source attribution, disease burden	
COHESIVE: review on economic analysis of foodborne zoonoses	Action (prevention and response)	MoMIR-PPC: Prevention & Control Measures against *Salmonella* at the poultry production level		
		BIOPIGEE: biosecurity measures for the control of *Salmonella* and HEV in primary pig production and abattoir		

Stakeholder Conference: Collaborating to face future One Health challenges in Europe

Conference website:

- Two Aims:
  - To have additional **impact** at the scientific, policy, societal and economic level, and to support **sustainability** of One Health EJP outcomes
  - To provide a **forum for discussion** to wide range of stakeholders
- At the Museum of Natural Sciences in Brussels and online (free of charge), 3 days: 19th-21st June 2023.
- Almost 1000 registrations, 120 present on-site, hundreds online
- https://onehealthejp.eu/outcomes/science-to-policy-translation/stakeholder-conference-2023

Stakeholder Conference: a wide target audience

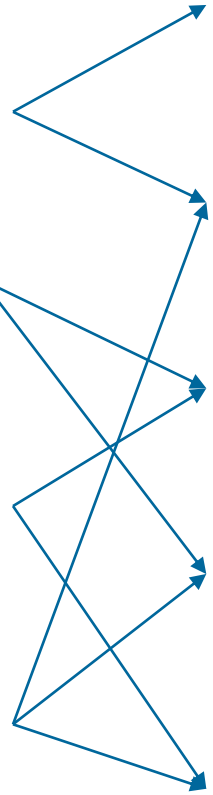
Policy and decision makers	• EU and international agencies (ECDC, EFSA, EEA, EMA, FAO, WOAH, WHO-Euro) • EC DGs: SANTE, AGRI, RTD, ENV, JRC, REA • National stakeholders: representatives of ministries, risk managers
Civil society	• NGOs, farmers, veterinary, animal welfare, public health, consumers and multi stakeholders associations
Private sector	• Industry associations (human and animal pharma industry, food and feed industry)
Scientists	• One Health and scientific initiatives
Press	• Specialised (and popular) press

Conference website:

Ad hoc support to reach impact

After creation of **trust** between stakeholders and your network (dependent on successful targeted dissemination)

- Facilitate **operationalisation** of outcomes
- Knowledge to **inform policies**
- **Advocacy** of the One Health approach
- Support **sustainability**



- Targeted request for assistance (e.g. Quadripartite, WOAH, WHO)
- Request for outcomes to be included in stakeholders' toolboxes (e.g. TZG-SISOT, WHO compendium)
- Contribution to stakeholders' consultations (direct input to EU policies)
- Invitation to join stakeholders' groups (e.g. WHO-GOARN, Partner Platform of the Regional One Health Coordination Mechanism)
- Contribution to meetings (e.g. ONE2022 side event, EFSA Summer Schools) and joint publications

Thank you for your attention!

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