

REPORT

ONE HEALTH APPROACH

Incubator event with EAIDNet and SACIDS networks

29-30 September 2015 Entebbe, Uganda

Supported by



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I. Executive Summary

The One Health approach requires the collaboration of different sectors and the aim of CORDS One Health incubator was to bring different sectors from different countries together to talk and work *with* each other. This incubator took place from 29th to 30th September 2015 in Entebbe, Uganda, and involved 20 participants from six countries (Burundi, Malawi, Kenya, Sierra Leone, Tanzania and Zambia) from two networks: EAIDSnet and SACIDS. The overall aim was to enhance the trust and respect that enable true collaboration, share best practices within CORDS networks and contribute to a community of practice.

The specific objectives and priorities were to:

- Analyse multi-sectoral collaboration in ideal setting and in reality in countries;
- Develop new thinking about better connecting sectors;
- Exercise and plan next steps

CORDS One health incubator applies a methodology that uses analytic tools in small, facilitated working groups and plenary discussions for group reflections. As an "incubator" this approach encourages holistic, analytic reflections (incubating) and new thinking put into practice to see the catalytic effects of this intense cross-fertilisation. By developing local solutions for better collaboration, these activities are more sustainable and longer-lasting: the incubator should serve as a springboard for activities. Participants leave the incubator with a set of actions they are committed to support.

A core theme was

Enabling factors

- STRUCTURES: political commitment and technical infrastructures
- People
- Coordination and networks
- Community engagement

Blocking factors

- STRUCTURES: political commitment and technical infrastructures
- Lack of motivation (people)
- Lack of funds (networks) and lack of coordination
- Community resilience

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Group 1 suggested: Break down silos, build on existing infrastructures and create a OH coordination function across sectors;

Group 2: Work together, from the very beginning; and

Group 3: Collaborate - enable the flow of information and create a feedback as true collaboration

The participants reported an overwhelming increase of knowledge, skills and governance by taking part in this workshop and they particularly liked the interactive group work, the role-play and exercise scenarios and the opportunity to meet and build trust among different professional groups from different countries.

Dr Willy Abwoka Were, a Medical Epidemiologist from East Africa Public Health Laboratory Networking Project (EAPHLNP) in Tanzania: https://www.youtube.com/watch?v=5zELV2Xfido

Dr Poya Njoka from Ministry of Agriculture, Irrigation and Water and Development in Malawi: https://www.youtube.com/watch?v=0iIRPeoy 3I

Dr Mohamed Barrie from Ministry of Agriculture, Forestry and Food Security in Sierra Leone shares his views on importance of One Health approach fighting against infectious diseases. https://www.youtube.com/watch?v=EwptbCIvjp8

Dr Immaculate Nsamba from Ministry of Health in Uganda: https://www.youtube.com/watch?v=-4ls6frAN-0

Dr Spes Ndayishimiye from Ministry of Health in Burundi: https://www.youtube.com/watch?v=NoX2coqIPFM

II. Background

One Health approach

The human-animal-ecosystem interface is of particular interest for limiting the spread of disease. The One Health approach aims to combine the forces in human and animal health sectors with industry and policy stakeholders. International organisations, in their *Strategic Framework*, conceptualise an intersectoral approach that brings together these different perspectives. This One Health incubator uses diseases as examples to better understand the principles and requirements for inter-sectoral cross-border work.

The One Health approach is quite a new development:

- **2005 Manhattan Principles:** *One World, One Health:* Movement of diseases between animals (domestic, wildlife) and humans;
- 2007 Delhi conference: Medium-term strategy to better address EID. Better understanding of the drivers and causes around the emergence and spread of infectious diseases is needed, under the broad perspective of the 'One World, One Health' (OWOH) principles;
- 2008 Strategic Framework Contributing to One World, One Health A Strategic Framework for Reducing Risks of Infectious Diseases at the Animal–Human–Ecosystems Interface (Strategic Framework²; WHO, OIE, FAO, UNICEF, World bank, UN Influenza)

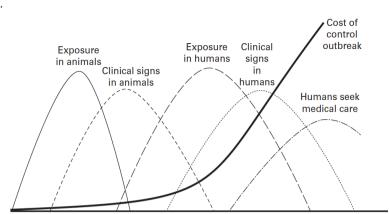
One Health refers to "the collaborative efforts of multiple disciplines working locally, nationally and globally to attain optimal health for people, animals and our environment." (2008).³ The major aim of One Health approach is to eventually detect diseases earlier thus avoiding the exposure in humans and minimising the cost of outbreak control.

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¹ WHO;, OIE;, FAO;, Influenza; U, Unicef;, Bank W. Contributing to One World, One Health: A Strategic Framework for Reducing Risks of Infectious Diseases at the Animal-Human-Ecosystems Interface. 2008 ("Strategic Framework").

² Strategic framework 2008.

³ Strategic framework 2008.



Source: Adapted from IOM (2009).

The five strategic elements of the One Health approach, as articulated in the strategic framework are:

- Surveillance: Building robust and well-governed public and animal health systems:
 WHO International Health Regulations (IHR 2005) and OIE Performance of Veterinary Services (PVS);
- **Response**: Improve national and international emergency response capabilities;
- **Integration**: Shift focus from potential to actual disease problems, and through a focus on the drivers of a broader range of locally important diseases;
- Collaboration: Promote wide-ranging collaboration across sectors and disciplines; and
- Implementation: Develop rational and targeted disease control programmes.⁴

CORDS One Health incubator

CORDS networks face the challenge of infectious disease surveillance and information sharing, communication and coordination across sectors not only in one country, but across several countries and across regions within the same country. Considering the unique nature of CORDS networks and the challenges they face in the surveillance of emerging and remerging diseases in an international cross-border setting, this One Health incubator uses disease as examples to elicit the principles of inter-sectoral collaboration across regions.

CORDS One health incubator applies a methodology that uses analytic tools in small, facilitated working groups and plenary discussing for group reflections. As an "incubator" this approach encourages holistic, analytic reflections (incubating) and new thinking put into practice to see the catalytic effects of this intense cross-fertilisation. By developing local

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⁴ Strategic framework 2008.

solutions for better collaboration, these activities are more sustainable and longer-lasting: the incubator should serve as a springboard for activities. Participants leave the incubator with a set of actions they are committed to support. This incubator refers to a conceptual framework that is based on interactive, output-oriented and co-produced group work in a facilitated and safe environment. Facilitation is based on an 'enzymatic' approach of facilitators to help structure the change progress in policy and practice.

III. Method

Aims and objectives

The overall aim was to enhance the trust and respect that enable true collaboration, share best practices within CORDS networks and contribute to a community of practice.

The specific objectives and priorities were to:

- Analyse multi-sectoral collaboration in ideal setting and in reality in countries;
- Develop new thinking about better connecting sectors;
- Exercise and plan next steps

The workshop uses diseases as proxies and examples to elicit useful patterns of surveillance, detection and control in a multi-sectoral approach. The specific objectives and priorities were to

- Consolidate cooperation mechanisms;
- Improve routine information sharing and communication;
- Engage in joint risk assessment, and
- Participate in joint simulation and exercises.

Setting

Based on previous experiences with CORDS networks and other workshop settings, the workshop design was:

- Two-day workshop;
- 20 participants from six countries from two networks (EAIDSNet and SACIDS);
- Representatives from animal health, human health, wildlife, public policy-makers and research;
- Small interdisciplinary/intersectoral working groups with precise assignments; and

 Moderated plenary sessions to generate collaboration and agree on comprehensive and sustainable ways forward.

IV. Results

The One Health approach requires the collaboration of different sectors and the aim of CORDS One Health incubator was to bring different sectors from different countries together to talk and work *with* each other. This incubator took place from 29th to 30th September 2015 in Entebbe, Uganda, and involved 20 participants from six countries (Burundi, Malawi, Kenya, Sierra Leone, Tanzania and Zambia) from two networks: EAIDSnet and SACIDS. Participants were senior level professionals from public health, animal health, human health, wildlife, policymaking and research of the networks countries. They all had first hand experience in the management of emerging health threats and had the authority to induce change in their organisations (senior level, e.g. Director).

Countries

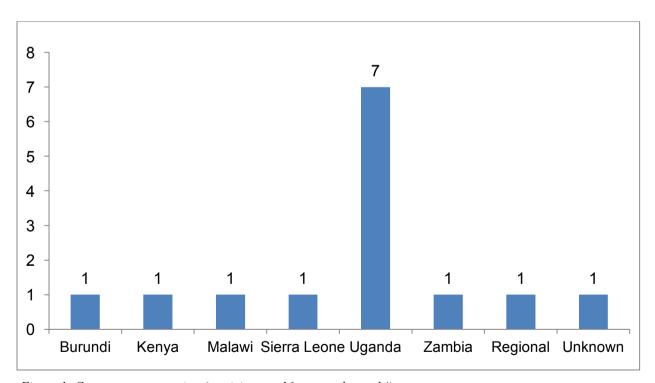


Figure 1: Country representation (particiapnts=16; respondents=14)

In total, 20 individuals attended the workshop. This was comprised of workshop participants 16 (4 SACIDS, 12 EAIDSNet countries); 2 EAIDSnet Secretariat, 2 CORDS HQ.

Figure 1 above illustrates the country profiles of the respondents that were actively involved

in providing data concerning their countries preparedness activities. Figure 2 displays the sector representation and figure 3 the seniority of the participants.

Sector

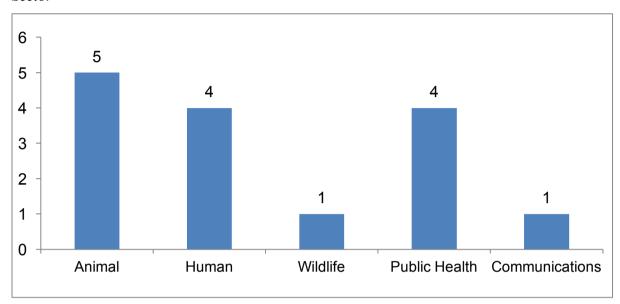


Figure 2: Sector representation

Level

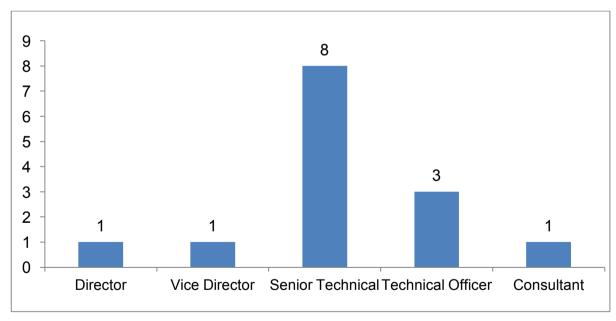


Figure 3: Seniority of participants

The overall principle was to work in small working groups and have moderated plenary sessions to discuss the results of the working groups. For the working groups, precise assignments with analysis and reflection tools were developed and provided to guarantee focused working sessions with clear outcomes. The moderated plenary sessions were used to

stimulate a debate and to agree on joint strategies. A role-play group exercise on the second day gave the opportunity to apply the insights and lessons of the previous days.

This workshop is understood as an enzymatic activity that brings people together and lowers the boundaries for collaborative actions and to induce and sustain change and progress.

Day 1: Analyse multi-sectoral collaboration – in ideal settings and in reality in countries

The starting point was to hear about the ideal and real situation of One Health in participating countries. For this purpose a first session started with small working groups to develop an *ideal* scenario for sector mechanisms including information, communication and coordination routines and the collaboration between sectors. Working in three parallel groups, each group had 'One Health' scenario to discuss:

Group 1: Your ideal country (country X) experiences an unusual outbreak of Malaria that is caused by a new mosquito strain due to changes in the environment.

Group 2: Your ideal country (country X) has experienced extraction industries activities; last week there was an unusual outbreak of a haemorrhagic fever in a group of workers after a joint barbecue.

Group 3: Your ideal country (country X) has a long tradition of poultry farming, both in bigger farms and small backyard farming; last months started an unusual outbreak of an avian influenza in people (H7N9).

All groups:

Please describe **country** X ideal surveillance and response mechanisms for involved sectors (human, animal/vectors, environment) and how they need to work together (using matrix 1) in

- Information (gathering, assessing and sharing)
- Communication (strategies, target groups, communications)
- Coordination (local, district, cross-border, national and international)

Matrix for Group work session 1 and 2

Country x/Real Countries		Human/ Public	Animal	Environment	Collaboration
		Health	health	(Trade,	between sectors
		(Malaria outbreaks)	(Vector	Environment,	
			control)	Travel)	
INFORMATION	Gathering				
	From				
whom/where					
	Assessing				

	Who? How?		
	Sharing		
	With whom?		
	What sectors?		
	Cross-border?		
	International?		
COMMUNICATION	Strategy		
	(Advocacy,		
	sensitisation,		
	etc.)		
	Target groups		
	Formats		
COORDINATION	Local		
	District		
	Cross-border		
	National		
	International		

Table 1: Ideal Country situation

Session 2 focused on the real situation in countries and asked the participants to use the same scenarios and matrix as in session 1, but also include insights about influencing (enabling and blocking) factors.

Country:		Human/	Animal	Environment	Collaboration	Influencing factors
		Public	health		between sectors	+ Enabling
		Health				- Blocking
INFORMA	Gathering					
TION	From					
	whom/where					
	Assessing					
	Who? How?					
	Sharing					
	With whom?					
COMMUNI	Strategy					
CATION	(Advocacy,					
	sensitisation,					
	etc.)					

	Target groups			
	Formats			
COORDIN	Local			
ATION	District			
	Cross-border			
	National			
	International			

Table 2: Real Country situation with modifying factors

In the plenary discussion the groups summarised the factors into:

Enabling factors

- STRUCTURES: political commitment and technical infrastructures
- People
- Coordination and networks
- Community engagement

Blocking factors

- STRUCTURES: political commitment and technical infrastructures
- Lack of motivation (people)
- Lack of funds (networks) and lack of coordination
- Community resilience

The groups stressed the importance of a One Health approach that starts early in

- Planning
- Preparation and
- Preparedness

As a "motto" to encourage inter-sectoral collaboration,

Group 1 suggested: Break down silos, build on existing infrastructures and create a OH coordination function across sectors;

Group 2: Work together, from the very beginning; and

Group 3: Collaborate - enable the flow of information and create a feedback as true collaboration

Day 1 was to collect insights into how One Health should ideally work – and what the factors

were that enable or block multi-sectoral collaboration in the countries on local level. Using analytic templates and plenary discussion elicited important intelligence about the procedures and practices of collaboration on the local level in countries.

Day 2: Develop new thinking about better connecting sectors: lessons learned and steps forward

Day 2 started off with three parallel working groups using the same scenario as the day before, but this time in a role-play setting. Participants were divided into groups using the same scenarios of the previous day, but this time they were asked to play one of the sectors' representatives, e.g. a chicken farmer, a poultry company owner, a concerned relative, a community health worker, a neighbour, etc. While 2-3 people play, the group observes and structures their observation into

- What is needed to improve mutual understanding?
- What is needed to improve mutual *collaboration*?

This playful, emotional perspective was chosen to add another layer to the analytic approach of day 1. Participants felt that the role-play exercises were great opportunities to 'feel' the need for changes, widened their own perception and understanding of the complex situation of multisectoral collaboration and created a sense of responsibility to commit to long-term, sustainable progress.

In the afternoon, country groups reflected on (using the template below, table 3) and summarised the lessons learned from these working groups.

Current Situation	LESSONS LEARNED
I.f	
Information Intelligence	
- Gathering	
- Assessment	
- Sharing	
Communication	
- Capacity	
- Skills	

|--|

Table 3: lessons learned

Building on lessons learned, participants planned actions using the template in table 4:

Current Situation	Desired Situation	Indicators of	Interventions
		change	
Information			
Intelligence			
- Gathering			
- Assessment			
- Sharing			
Communication			
- Capacity			
- Skills			
Coordination			

Table 4: Action plans

Group 1:

ONE HEALTH APPROACH – lessons learned

ONE HEALTH ATTIC	DACH – lessons learned
Current Situation	Lesson Learnt
Information Intelligence - Gathering - Assessment - Sharing	 Availability of information Information package for targeted audience Trained personnel (additional) for effectively communication Need for customize the existing technology Need to have rapid diagnostic tools Emphasis on need for awareness on the useful of early reporting of suspect outbreaks by the public Building community trust that information availed while be useful to the concerned authorities
Communication - Capacity - Skills	 Organized leadership for effective communication Communication experts e.g. artists, orators, journalist to be part of the team Train relevant stakeholders I communication and leadership skills
Coordination	 Standby task force (in emergency / stable conditions) Regional bodies / international bodies coordination Integration of the different sectors / departments Clear coordination SOPs at local, national, regional and international partners Synchronization of the work place policies in the participating ministries

ONE-HEALTH APPROACHES – ACTION PLANS

Current Situation	Desired Situation	Indicators of change	Intervention
Information Intelligence	Gathered information should be shared as quickly as possible	Quick early information / effective responses	Creating rapid for quick response e.g. a web portal (integrated management
	Creation of awareness to be given priorities	Quick / effective / timely response	system for one-health)
Communication	Communication skills capacity building	Feedback mechanisms / channels implemented	Integrated systems for engaging stakeholders in matters of communication.
Coordination	Integrated approach	Joint activities	Have people participate in the simulation exercises for different situations e.g. cross-borders
	Have vaccine bank in the country. Production unit. Category of vaccines responsive to the existing circulating sero-type.	Contained outbreaks Export of different animals to the international trade market	Continued vaccination for a period 5-6 years
	Political will enhanced	Participation in outbreak management	Participate in the simulation exercises for different situation

Group 2:

Current situation	Lessons learnt
Information	 Needs for establishing structures where they don't exist.
	Need to develop capacity IHR/LOGISTICS
Communication	There is a need to harmonise Communication strategy and
	strengthen feed back systems
	• IHR FP can be a vehicle for strengthening communication and
	providing guideline for core capacities
Coordination	There is a need for strong multisectoral collaboration because most
	interventions are carried out in isolation.

Action plans

	interventions
situation	

Information	Established structures	% of districts with	Recruitment of
	for gathering	surveillance staff	surveillance
	information in place	-% of districts submitting	officers
		timely and accurate reports.	support to
			surveillance staff
			to carry out work.
			Technological
			innovation to
			support
			surveillance.
	Sharing	No of reports shared between	Mechanism for
		at one health platform	sharing
			information
			developed
			including feed
			back
Communication	One health	# of IEC for OH developed	We need a plan
	Communication	% of health facilities using	for community
	strategy put in place	OH IEC materials	engagement
		# of OH meetings held	Having staff
			trained in one
			health
			communication
			Stakeholder
			analysis
			(skills/capacities)
Coordination	A well coordinated	# of multisectoral meetings	Conduct
	multisectoral	# cross border meeting and	Multisectoral
	onehealth framework	simulations held	meeting
	in place	# of university institution	Hold Crossborder
		curricular revised to include	meetings
		one health concept.	Carry out
		# of advocacy meetings and	Simulations

workshop	Inclusion one
	health is included
	in university
	curricular
	Advocacy
	individually and
	collectively as one
	health group

Summary of group 2: There are already interventions/activities in One Health but these need to be harmonised and coordinated in order to maximise resource use and early response to events of local and international concerns.

Group 3:

Information gathering:

- Information is collected, analyzed and kept in different places sectors
- When stakeholders are involved in time, they can gather relevant information easily

Communication

- Inadequate capacity (human and material)
- Inadequate skills (competencies)
- Different sectors use different channels of communication and also send different messages

Coordination

- Tools and structures were not harmonized
- Inadequate financial resources for implementation of OH
- Lack of integrated policies limit implementation of OH

Action plans:

CURRENT	DESIRED	INDICATORS OF	INTERVENTIONS
SITUATION	SITUATION	CHANGE	
Information	Harmonized system	Proportion of cases that are	Development of
	for information	promptly investigated	harmonized tools
	gathering and sharing	Regular updates (bulletins)	Collate, analyze data
		of surveillance data for	and prepare regular
		priority diseases for humans	reports for
		and animals	dissemination
Communication	Capacity for effective	# of trained personnel	Recruit and train
	communication	available	personnel
	developed	All stakeholders using the	Development of a
	Harmonized system of	same communication	harmonized
	communication	channel, format and sending	communication
		similar messages	protocol
COORDINATION	Integration of policies	No of sectors whose	Meetings to integrate
	of relevant sectors into	policies are integrated.	sector policies into
	one health.	Proportion of funds	ОН.
	Availability of	available for OH work.	Protocol of
	adequate resources for	No. of organizations that	integration.
	OH implementation.	participate in the	
	Have harmonized	harmonization process	
	tools and structures for	A harmonized OH structure	
	OH.	No. of tools that are	
		developed for OH	

V. Course assessment

This incubator was evaluated to improve the conceptual approach, actual agenda and exercise capabilities for future workshops.

Pre-course assessment

One Health approach

All participants have heard about the One Health approach, and all of them referred to the right definition of One Health.

Have you heard about the One Health approach?

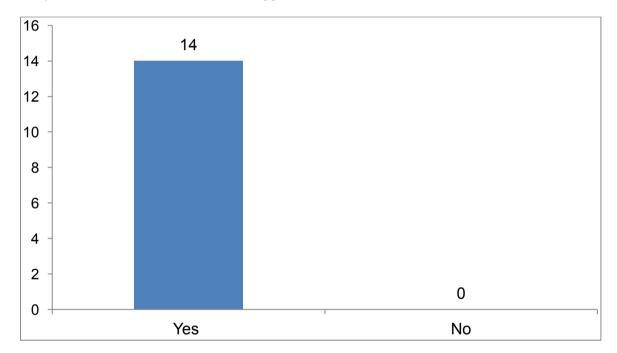


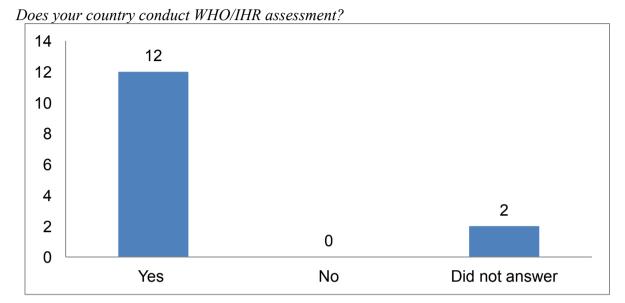
Figure 5 - awareness of the One Health approach

What sentence describes the One Health approach best?

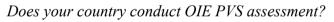
- 1. The One Health refers to a policy and practice approach that calls for animal and human health to merge and work together as one health.
- 2. The One Health refers to the collaboration between developing and developed countries.
- 3. The One Health refers to the collaborative efforts of multiple disciplines working locally, nationally and globally to attain optimal health for people, animals and the environment. (correct) (14/0)

Assessment activities

The majority of countries conduct WHO International Health Regulation (IHR) assessments (12/15) and OIE Performance of Veterinary Service assessments (9/14).



 $Figure\ 6-participants\ who\ reported\ their\ countries\ conduct\ WHO/IHR\ assessments$



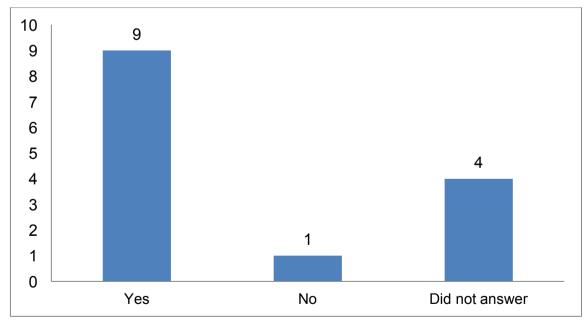


Figure 7 – participants who reported their countries conduct OIE PVS assessments

Information sharing

The information sharing habits differ across sectors and within sectors. In general, information sharing is good with daily (1/14), frequent (4/14) and once a week (1/14) sharing of information within the sector. Outside their own sector participants reported that they mainly share information once a month (7/14).

How often do you routinely share information within your sector and outside your sector? Within sector – all

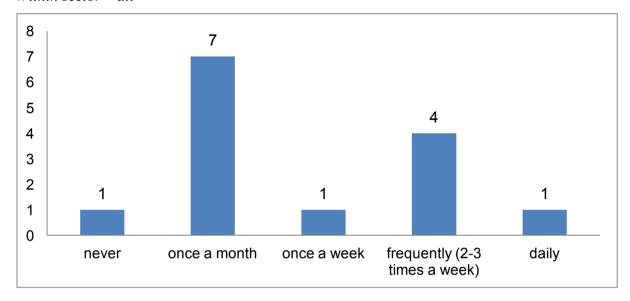


Figure 8 – frequency of sharing information within sector

Outside own sector

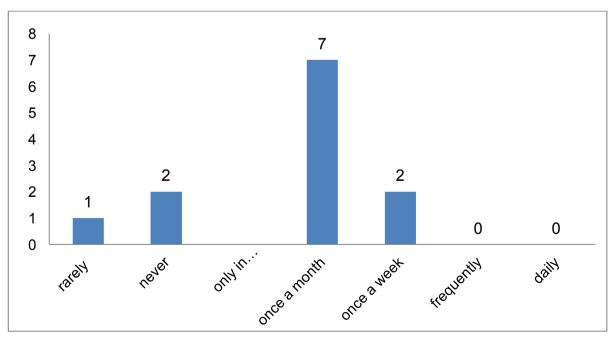


Figure 9 – frequency of sharing information outside own sector

Communication

How often do you routinely communicate with the public?

The communication with the public is mainly in emergencies only. Some communicate once a month (2/14) and one institutions once a week.

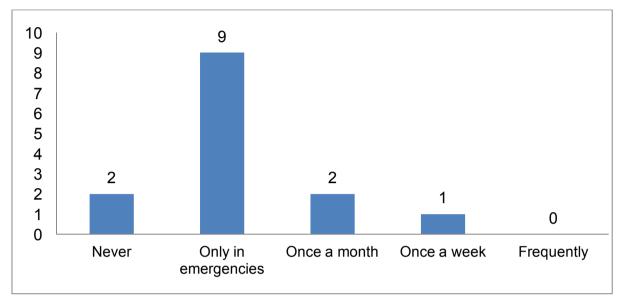


Figure 10 –frequency of communication with the public

Coordination

Most participants reported that they have established protocol for the collaboration between sectors (8/14).

Do you have established protocols for the collaboration between different sectors for the surveillance of animal or human health threats?

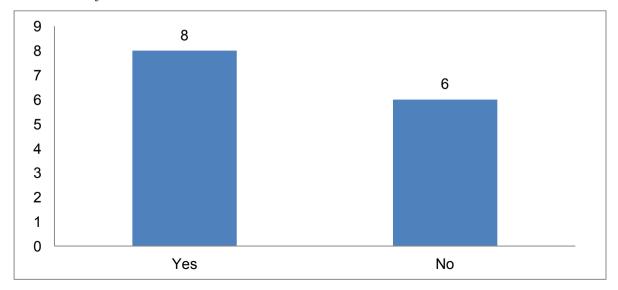


Figure 11 – Presence of protocols for collaboration between different sectors?

Post-course assessment

Participants reported that taking part in the workshop led to a good (6/14) and significant (7/14) increase of their knowledge.

Participation also led to good (7/14) and significant (6/14) clarification of their practice. They now know much better what they have to do in order improve their One Health approach.

This One Health workshop helped them to clarify the governance of One Health (good= 8/14; significant= 3/14).

How much has this workshop increased your knowledge, clarified a practice and a policy approach (governance)?

Knowledge

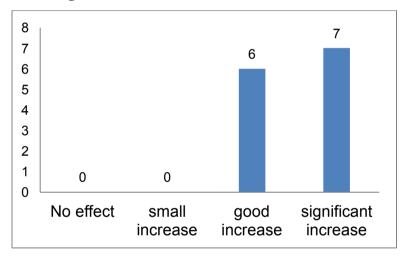


Figure 12 – Participants self-reported increase in knowledge as a result of attending incubator

Practice

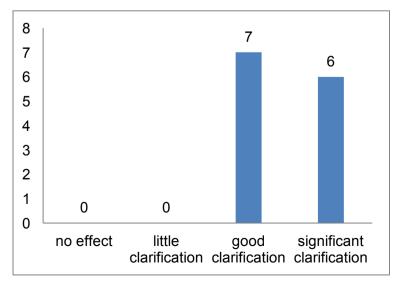


Figure 13 – Participants self-reported increase in practice as a result of attending incubator

Governance

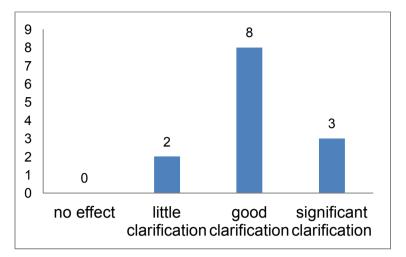


Figure 14 – Participants self-reported increase in governance as a result of attending incubator

One Health approach

The best parts of the One Health approach are

Key obstacles are seen in lack of funding, the ability to work across sectors and coordination.

Workshop

The most useful aspects of the workshop are seen in group discussions, the methodology and approach and the insights gained into the One Health theoretical approach.

The workshop could be strengthened by provision of case studies and preparatory material prior to the workshop, more time, site visits to be included and the inclusion of simulation exercises.

VI. Conclusion

The strategic objectives of the One Health workshop approach were to enhance awareness for the need for collaboration among stakeholders; encourage commitment and political will; and agree on targets of collaboration.

The specific objectives and priorities for this workshop were to

- Describe and consolidate cooperation mechanisms;
- Improve routine information sharing and communication;
- Engage in joint risk assessment, and
- Participate in joint simulation and exercises.

The results and feedback from participants in their statements, group work results and the survey results indicate that the set objectives were fully met. The participants reported an overwhelming increase of knowledge, skills and governance by taking part in the workshop and they particularly liked the methods applied, the interactive group work, role-play and scenario exercises. They highly valued the opportunity to meet and build trust among different professional groups from different countries.

CORDS One health incubator applied a methodology that uses analytic tools in small, facilitated working groups and plenary discussions for group reflections. As an "incubator" this approach encouraged holistic, analytic reflections (incubating) and new thinking put into practice to see the catalytic effects of this intense cross-fertilisation. By developing local solutions for better collaboration, these activities are more sustainable and longer-lasting: the incubator should serve as a springboard for activities. Participants leave the incubator with a set of actions they are committed to support.

Core themes were

Enabling factors

- STRUCTURES: political commitment and technical infrastructures
- People
- Coordination and networks
- Community engagement

Blocking factors

- STRUCTURES: political commitment and technical infrastructures
- Lack of motivation (people)

- Lack of funds (networks) and lack of coordination
- Community resilience

Group 1 suggested: Break down silos, build on existing infrastructures and create a OH coordination function across sectors;

Group 2: Work together, from the very beginning; and

Group 3: Collaborate - enable the flow of information and create a feedback as true collaboration

Agenda

Day 1	RAISE AWARENESS – EXPLORE THE COMPLEXITY		
Tues 29 th Sept	Analyse and reflect the starting points		
09:00 – 9:45	General Introduction: Participants, workshop method, One Health		
	approach		
	PRE-COURSE ASSESSMENT		
09:45 – 11:15	Group work session 1: One Health scenario: ideal mechanisms including		
	information, communication and coordination routines		
11:15 – 11:30	Tea/Coffee break		
11:15 – 12:15	Working group presentation		
12:15 – 12:45	Moderated plenary discussion: analysing differences and commonalities		
12:45 – 14:00	Lunch		
14:00 – 15:30	Group work session 2: One Health scenarios from countries'		
	perspectives: situation and influencing factors for emerging health threats		
15:30 – 15:45	Tea/Coffee break		
15:45 – 16:30	Working group presentation		
16:30 – 17:00	Moderated discussion: analysis of facilitating and blocking factors of		
	collaboration and information sharing		
17:00	Day 1 Summary		

Day 2	TRANSLATE INSIGHTS INTO ACTIONS
Wed 30 th Sept	Agree on joint ways forwards
09:00 – 9:15	Recap of Day 1
09:15 – 11:00	Working group session 3: Exercises of the scenario settings
11:00 – 11:15	Tea/Coffee break
11:15 – 12:45	Working group debrief and moderated plenary discussion
12:45 – 14:00	Lunch
14:00 – 15:00	Working group session 4: Lessons learned
15:00 – 15:15	Tea/Coffee break

Working group session 5: Actions for improvement
Working group presentations
Moderated discussion: Lessons for actions and implications
Day 2 Summary
Post-course assessment

List of participants

	NAME	INSTITUTION	FUNCTION	COUNTRY	Email address
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