

ONE HEALTH IN PREVENTION AND PREPAREDNESS STRATEGIES

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One Health Partner Platform June 2024









ISS strategies to enhance OH adoption in prevention and preparedness



Networking

CONTRIBUTION OF REGIONAL NETWORKS TO THE CONTROL OF CROSS-BORDER PUBLIC HEALTH THREATS: EpiSouth in the Mediterranean Region AND SOUTHEAST EUROPE

Maria Grazia Dente, Flavia Riccardo, Mondher Bejaoui, Massimo Fabiani Dragan Lausevic, and Silvia Declich; on behalf of the EpiSouth Working Group





EUROPEAN UNION

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MediLabSecure

MediLabSecure

2nd STRATEGIC DOCUMENT

June 2024

Strengthening One Health Systems in the Mediterranean, Sahel, Black Sea and Balkan Regions

DRAFT for MLS Final Meeting (Paris, 11-13 June 2024)

















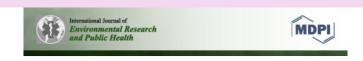








Assessing integration in surveillance



Int J Environ Res Public Health. 2018 Mar; 15(3): 489.

Published online 2018 Mar 10. doi: 10.3390/ijerph15030489

PMCID: PMC5877034

PMID: <u>29534445</u>

Strengthening Preparedness for Arbovirus Infections in Mediterranean and Black Sea Countries: A Conceptual Framework to Assess Integrated Surveillance in the Context of the One Health Strategy

Maria Grazia Dente, ^{1,*} Flavia Riccardo, ¹ Gloria Nacca, ¹ Alessia Ranghiasci, ¹ Camille Escadafal, ^{2,3} Lobna Gaayeb, ² Miguel Angel Jiménez-Clavero, ^{4,5} Jean-Claude Manuguerra, ² Marie Picard, ⁶ Jovita Fernández-Pinero, ⁴ Elisa Pérez-Ramírez, ⁴ Vincent Robert, ⁶ Kathleen Victoir, ² and Silvia Declich ¹



Zoonoses Public Health. 2019 May; 66(3): 276–287.

Published online 2019 Feb 5. doi: 10.1111/zph.12562

PMCID: PMC6850

PMID: 3072

Implementation of the One Health approach to fight arbovirus infections in the Mediterranean and Black Sea Region: Assessing integrated surveillance in Serbia, Tunisia and Georgia

Maria Grazia Dente, ^{1,†} Flavia Riccardo, ^{1,†} Francesco Bolici, ² Nello Augusto Colella, ² Verica Jovanovic, ³ Mitra Drakulovic, ³ Milena Vasic, ³ Habiba Mamlouk, ⁴ Latifa Maazaoui, ⁴ Mondher Bejaoui, ⁴ Khatuna Zakhashvili, ⁵ Irine Kalandadze, ⁵ Paata Imnadze, ⁵ Silvia Declich, ¹ and the MeSA Working Group [‡]

Int. J. Environ. Res. Public Health 2018, 15, 489

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Table 1. Proposed criteria to assess existing levels of integration.

Level of Integration	Sublevels of Integration	Criteria			
Policy and institutional	Policy	Existence of a national policy addressing integrated surveillance for a specific pathogen			
		2. Existence of a policy addressing integrated surveillance for a specific pathogen at subnational level			
	Institutional	3. Existence of agreements among the institutions involved in human/animal/entomological surveillance for the specific pathogen			
		4. Existence of coordination mechanisms among the institutions involved			
		5. Existence of identified focal points for each human/animal/entomological surveillance for the specific pathogen			
Data collection and analysis	Interoperability mechanisms at data collection	6. Existence of integrated data collection tools			
		7. Existence of activation mechanisms of human surveillance based on signals from animal/entomological surveillance			
		8. Other interoperability mechanisms at data collection level			
	Interoperability mechanisms at data analysis	Presence of database exchange/merging/other mechanisms to facilitate joint analysis among sectors.			
		10. Performance of joint/integrated data analysis among the different surveillance sectors			
		11. Other interoperability mechanisms at data analysis level			
Dissemination	-	12. Existence of joint results dissemination mechanisms (e.g., bulletins, reports, papers, media reports, websites, etc.)			

Studies on national OH operational isation





Article

Assessing the Adoption of One Health Approaches in National Plans to Combat Health Threats: The Pilot of a One Health Conceptual Framework in Armenia .

Alessia Milano ^{1,2,†}, Claudia Robbiati ^{1,2,†}, Silvia Declich ¹, Paolo Calistri ³, Ombretta Pediconi ⁴, Laura Amato ³, Lusine Paronyan ⁵, Lilit Avetisyan ⁶, Arsen Manucharyan ⁷, Georgi Avetisyan ⁸, Tigran Yesayan ⁸, Arman Gevorgyan ⁸, Tigran Markosyan ⁹ and Maria Grazia Dente ^{1,*}

Published February 7, 2024 | Version v1





MediLabSecure One Health Situation Analysis (OHMeSA) in Montenegro

Robbiati, Claudia¹; Milano, Alessia¹; Habib, Maham¹; Declich, Silvia¹;

Dente, Maria Grazia¹; On behalf of the study working group &

The ONE HEALTH CONCEPTUAL FRAMEWORK

The present framework aims at guiding the relevant national sectors to strengthen the One Health system and implement harmonised and context-driven One Health strategies to support health security globally.								
Target areas								
National level					International level			
GOVERNANCE	PREVENTION AND PREPAREDNESS	DATA COLLECTION AND SHARING	NATIONAL CAPACITY BUILDING	CONSOLIDATION AND EVALUATION OF THE SYSTEM IN PLACE	CROSS-BORDER COLLABORATIONS	GLOBAL CAPACITY BUILDING		
Priorities for Action								
Establishing a national multisectoral and multistakeholder team to set principles, rules and procedures to allow operationalisation of OH strategies. Assessing the opportunity and benefits of setting up a OH National Center Enacting laws and identifying resources for OH operationalisation	Connecting OH strategies to prevention and preparedness plans by establishing a multisectoral team (OH Team) in charge for development, implementation and monitoring of plans Develop inclusive strategies engaging all the actors, including communities	Identification of national priority areas to be monitored and related monitoring indicators/metrics Verifying available sources of information and data Development of integrated and interoperable database connected with early warning and surveillance systems	Development of training curricula about OH prevention and preparedness Training of the OH workforce included in national plans Piloting OH strategies and exercising about their implementation	Identifying monitoring and impact indicators Assessing level of implementation of OH indications in prevention and pandemic plans Assessing added value of OH in prevention and preparedness	Developing and updating international guidance and regulations to integrate OH strategies in prevention and preparedness plans and international early warning systems Identification of OH preparedness indicators/metrics in collaboration with National OH Teams Establishing Quadripartite collaborating Centers at National OH Centers Facilitating Networking opportunities between OH National Centers	Integration of OH principles in International trainings and in capacity assessment tools Promoting harmonised and multicounty exercises		



Contents lists available at ScienceDirect

One Health

journal homepage: www.elsevier.com/locate/onehl





One health adoption within prevention, preparedness and response to health threats: Highlights from a scoping review

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journal homepage: www.elsevier.com/locate/onehlt





Strengthening preparedness against global health threats: A paradigm shift based on One Health approaches

M.G. Dente ^{a,*,1}, F. Riccardo ^{c,1}, S. Declich ^a, A. Milano ^a, C. Robbiati ^a, U. Agrimi ^b, A. Mantovani ^b, S. Morabito ^b, G. Scavia ^b, F. Cubadda ^b, L. Villa ^c, M. Monaco ^c, L. Mancini ^d, M. Carere ^d, S. Marcheggiani ^d, A. Lavazza ^e, M. Farina ^f, O. Dar ^g, M. Villa ^h, P. Testori Coggi ⁱ, S. Brusaferro ^j

One Health good practices across the European Region: the co-production of a Compendium 3

M G Dente ™, C Robbiati, R Pireddu, S Marcheggiani, A Maugliani, F Riccardo, A Mantovani, S Seravesi, M Simonelli, L Bertinato

European Journal of Public Health, Volume 33, Issue Supplement_2, October 2023, ckad160.083, https://doi.org/10.1093/eurpub/ckad160.083

Published: 24 October 2023

Evidence for One Health Policies



DOI: 10.1093/eurpub/ckad160.213 · Corpus ID: 264473250

Building a European One Health workforce for prevention and preparedness to health threats

C. Robbiati, A. Milano, +5 authors M. Dente • Published in European Journal of Public... 1 October 2023 • Environmental Science, Medicine



REPORT of the Workshop: "Building the One Health Workforce in the European Region" 29th of February- 1st of March 2024

Italian National Institute of Health (Istituto Superiore di Sanità) Rome

Organized by the National Center for Global Health

In collaboration with: the Environment and Health Department; the Food Safety, Nutrition and Veterinary Public Health Department; and the Infectious Disease Department



Building the One Health Workforce in the European Region: findings from a workshop

of the workshop's participants.

advocacy &

OH principles

and practice

adopting OH approaches in prevention and preparedness strategies.



Claudia Robbiati, Walter Cristiano, Silvia Declich, Kevin Di Domenico, Laura Mancini, Alfonso Mazzaccara, Alessia Milano, Gloria Nacca, Angela Nardin, Alessia Ranghiasci, Flavia Riccardo, Gaia Scavia, Maria Grazia Dente Italian National Institute of Health - Istituto Superiore di Sanità, Rome (Italy)

Background

One Health (OH) is a multisectoral approach that could enhance prevention and preparedness to threats that emerge at the humananimal-environment interface and finally health security. OH operationalization would need to strengthen a synergic preventionpreparedness cycle, shifting the focus to operational OH upstream prevention that informs preparedness actions. This would require to describe and build a OH workforce able to work in a coordinated way across sectors and countries, by overcoming the limited standardization around OH curricula and competency-based frameworks.

The Italian National Institute of Health (Istituto Superiore di Sanità – ISS) is implementing an operational research project to contribute to the development of a harmonized training curriculum across the Pan-European Region for in-service professionals who need to integrate OH approaches in prevention and preparedness plans and strategies, to finally foster OH operationalization and health security.

Figure below: Competencies domains derived from gaps for OH prevention and preparedness operationalization identified in the literature expert consultation.







S., Di Domenico, K., Mancini, L., Mazzaccara, A., ... Dente, M. G. (2024). REPORT of the Workshop: "Building the One Health Workforce in the European Region." Cambridge Open Engage, doi:10.33774/coe-2024-cd17r-v2

The outline of the competencies necessary for the OH workforce working in prevention and preparedness is an ongoing process, also because it is strongly connected with the identification of the OH workforce, a topic still

Lessons learnt & way forward

A competency-based framework is complex to outline given these premises. This complexity could be address with a modular framework which outlines core competencies for the general OH workforce, and then identifies advanced competences for domains (e.g. AMR, zoonoses, determinants of inequalities during pandemics, ecoaction to prevent spillover; environmental degradation; OH literacy; etc.) and specific competencies for functions (e.g. research, resource allocation, legislation and requirements; etc.), thus addressing specific categories of OH

under debate at national and international level, including the definition of the OH workforce in charge for

A consensus on a competency-based framework for the adoption of integrated prevention and preparedness strategies could help in the development of a harmonized curriculum in the Pan-European Region for the OH workforce working in these areas, considering also the recently developed OH competency-based frameworks.

"Building the One Health Workforce in the European Region" Workshop - 29/02-1/03-2024 -Italian National Institute of Health (Istituto Superiore di Sanità) Rome Activities supported by the Project "Enhancing One Health-based strategies to prevent pandemics by assessing potential risks at the human-animal-environment interface; implen a One Health-based Conceptual Framework" (Bando Ricerca Indipendente ISS 2021-2023-Project code ID ISS20-d955b07fd1e4).

Robbiati, C., Cristiano, W., Declich, S., Di Domenico, K., Mancini, L., Mazzaccara, A., ... Dente, M. G. (2024). REPORT of the Workshop: "Building the One Health Workforce in the European Region." Cambridge Open Engage. doi:10.33774/coe-2024-cd17r-v2 This content is a preprint and has not been peer-reviewed.





THANKS FOR YOUR ATTENTION

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