



Regional meeting

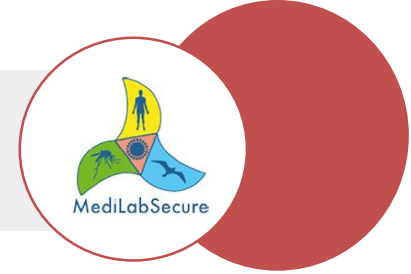


May 16-19th, 2022 Dead Sea, Jordan



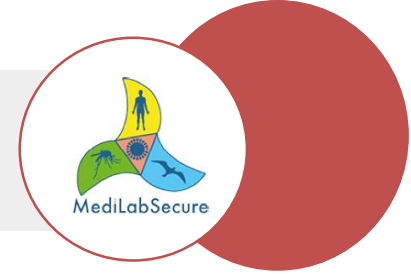
MediLabSecure 2 project

Presented by:
Nada Essawy
(Institut Pasteur, European Consortium)



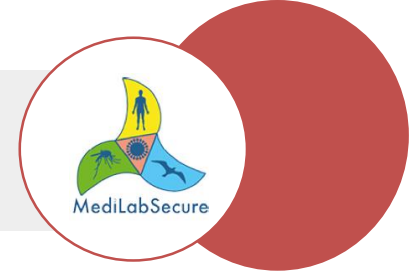
MediLabSecure 2 overview

- European Consortium
- Objectives
- Network
- Activities and main achievements
- Funding
- Timeline



MediLabSecure 2 overview

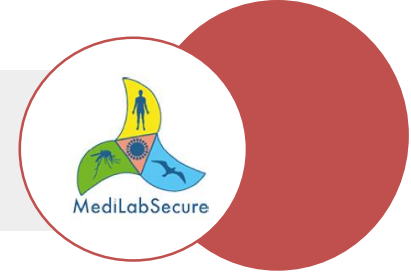
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5 partner institutions

Role: Implementation and coordination of project activities

MediLabSecure 2: European consortium



France



WP 1
Human Virology



WP 0/6
Coordination & Communication



Guillaïn Mikaty
Project Manager
Microbiologist



Jean-Claude Manuguerra
Key Expert
Human Virology



Nada Essawy
Project Manager



Vanessa Lagal
Project Manager



Imrane Tiachadine
Communication Assistant

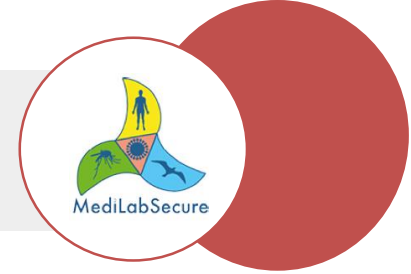


Alice Henry-Tessier
Communication Officer



Maud Seguy
Project Supervisor

MediLabSecure 2: European consortium



National Institute for Agricultural and Food Research and Technology



France



**WP 1
Human
Virology**



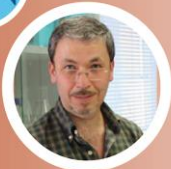
**WP 0/6
Coordination &
Communication**



Spain



**WP 2
Animal Virology**

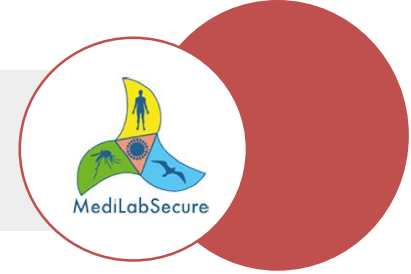


Miguel Angel
Jimenez Clavero
Key Expert Animal Virology



Pilar Aguilera
Project Manager

MediLabSecure 2: European consortium



National Institute for Agricultural and Food Research and Technology

French National Research Institute for Sustainable Development



France



WP 1
Human Virology



WP 0/6
Coordination & Communication



Spain



WP 2
Animal Virology



France



WP 3
Medical Entomology

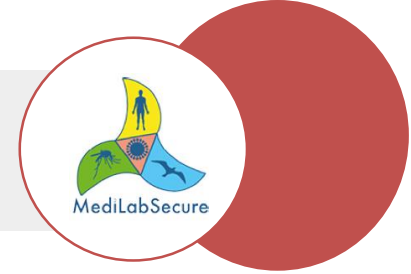


Vincent Robert
Key expert
Medical Entomology



Florence Fournet
Key expert
Medical Entomology

MediLabSecure 2: European consortium



National Institute for Agricultural and Food Research and Technology

French National Research Institute for Sustainable Development

Italian National Institute of Health



France



WP 1

Human Virology

WP 0/6

Coordination & Communication



Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria

Spain



WP 2

Animal Virology



Institut de Recherche pour le Développement FRANCE

France



WP3

Medical Entomology



Italy

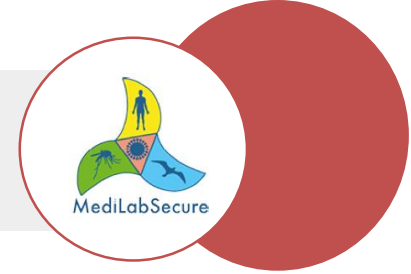


WP4

Public Health & Veterinary Services



MediLabSecure 2: European consortium



National Institute for Agricultural and Food Research and Technology

French National Research Institute for Sustainable Development

Italian National Institute of Health



France



WP 1
Human Virology



WP 0/6
Coordination & Communication



Spain



WP 2
Animal Virology



France



WP 3
Medical Entomology



Italy



WP 4
Public Health & Veterinary Services



Belgium



WP 5
Early Warning System & Modelling

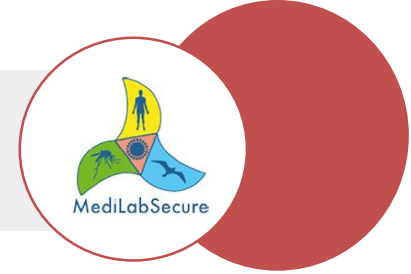


Guy Hendrickx
Key Expert Risk Mapping/
Modelling



Cédric Marsboom
Spatial decision support
systems engineering

MediLabSecure 2: European consortium



National Institute for Agricultural and Food Research and Technology

French National Research Institute for Sustainable Development

Italian National Institute of Health



France



WP 1
Human Virology



WP O/6
Coordination & Communication



Spain



WP 2
Animal Virology



France



WP3
Medical Entomology



Italy



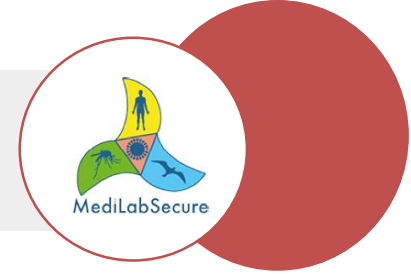
WP4
Public Health & Veterinary Services



Belgium



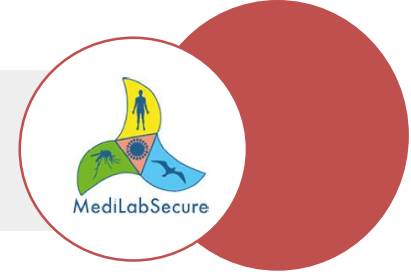
WP5
Early Warning System & Modelling



MediLabSecure 2 overview

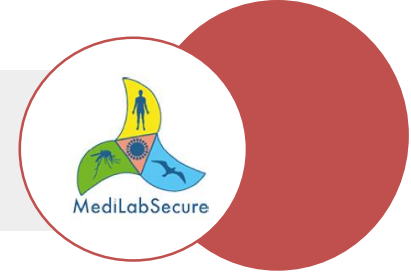
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MediLabSecure 2: Objective



Preventing **biological risks** related to **vector-borne diseases** increased by **climate changes** and **globalization** by adopting a **One Health approach**

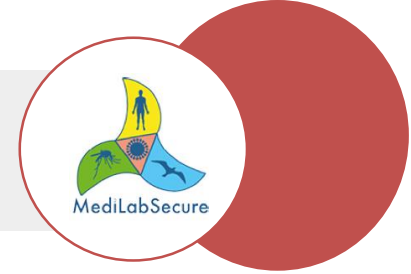
MediLabSecure 2: Objective



Preventing **biological risks** related to **vector-borne diseases** increased by **climate changes** and **globalization** by adopting a **One Health approach**

How ?

MediLabSecure 2: Objective



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How ?

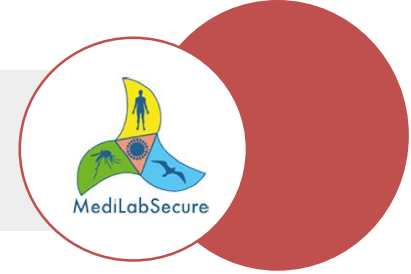
Capacity building



Institutional Networking



MediLabSecure 2: Objective



Preventing **biological risks** related to **vector-borne diseases** increased by **climate changes** and **globalization** by adopting a **One Health approach**

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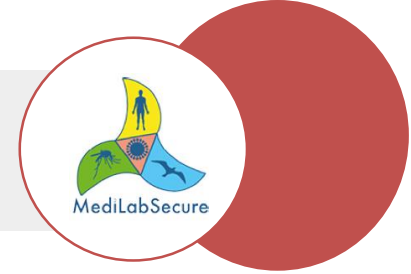
Capacity building

Enhancing **laboratory preparedness** and **response capacities** to arboviruses and their vectors

Enhancing awareness of the added value of **integrated surveillance, risk assessment and early warning** to prevent and control epidemics

Institutional Networking

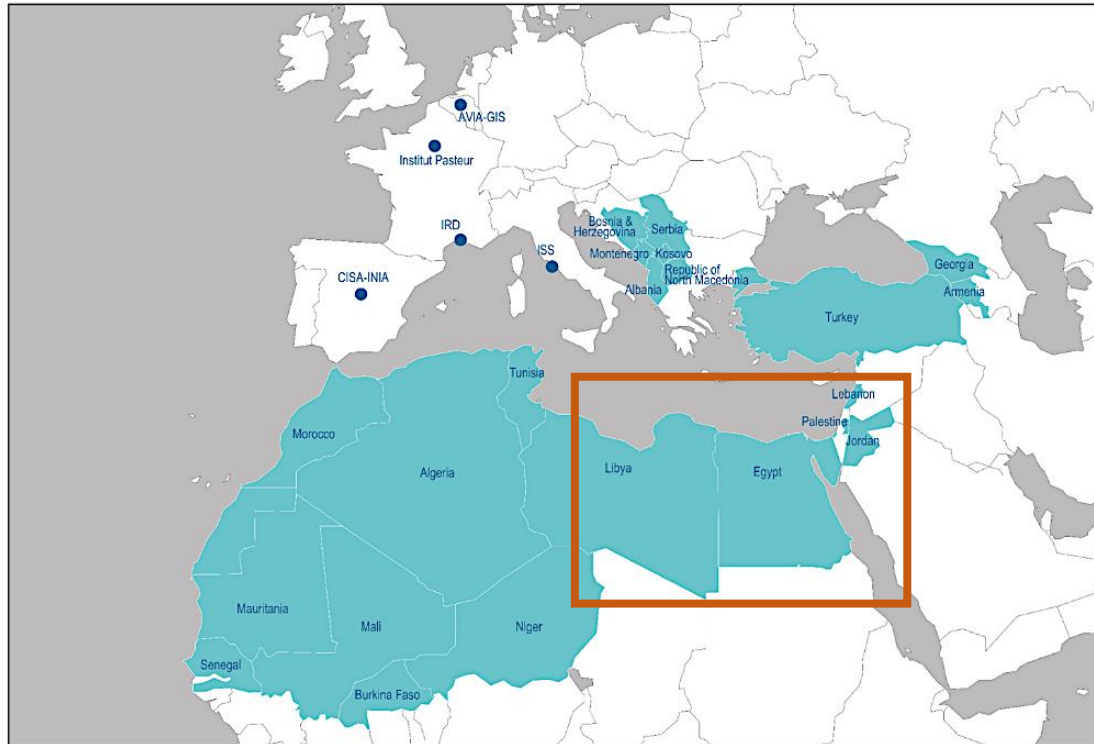
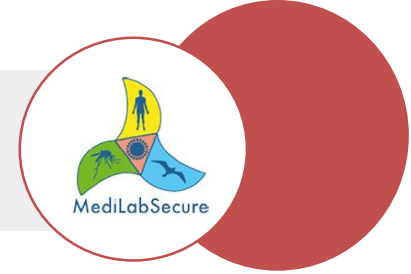
Reinforcing an **international network** of laboratories and public health institutions



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MediLabSecure 2: Network



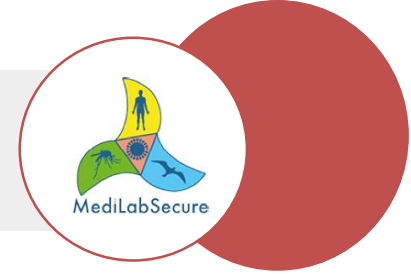
22 Countries

114 Beneficiary laboratories and national institutions

170 Multidisciplinary experts

- ✓ Animal virologists
- ✓ Human virologists
- ✓ Medical entomologists
- ✓ Public Health epidemiologists and officials
- ✓ Veterinary services epidemiologists and officials
- ✓ Modellers

MediLabSecure 2: Middle East region



Jordan :



- ✓ Ministry of Agriculture
- ✓ Ministry of Health
- ✓ New partner: Ministry of Environment

Lebanon :

- ✓ Rafik hariri University Hospital
- ✓ Lebanese Agricultural Research Institute
- ✓ Lebanese University Faculty of Public Health
- ✓ Ministry of Public Health
- ✓ Ministry of Agriculture

Libya :

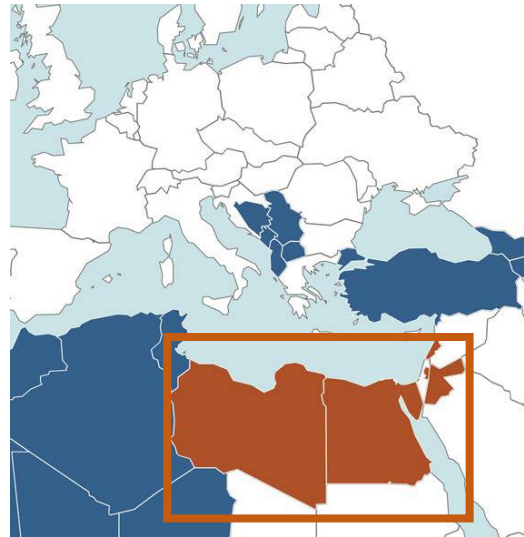


- ✓ National Centre for Disease Control
- ✓ Ministry of Agriculture

Egypt :



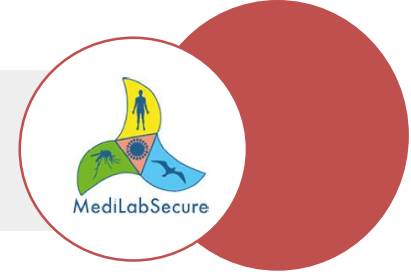
- ✓ National research Center
- ✓ Animal Health Research Institute
- ✓ Ain Shams University
- ✓ Ministry of Health and Population



Palestine :



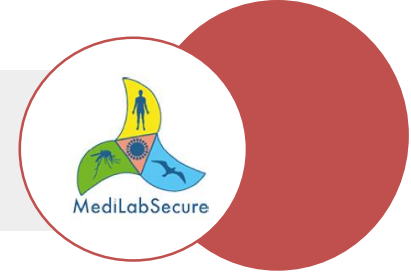
- ✓ Ministry of health
- ✓ Veterinary School - An-Najah National University
- ✓ Ministry of Agriculture



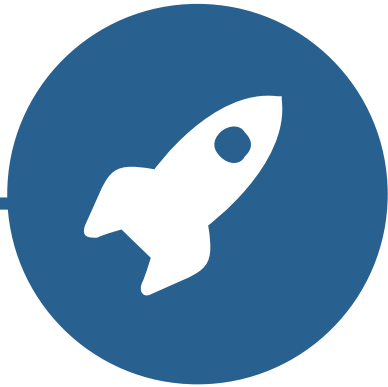
MediLabSecure 2 overview

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MediLabSecure 2: **Activities**



Capacity building



**Integrated surveillance
&
early warning**



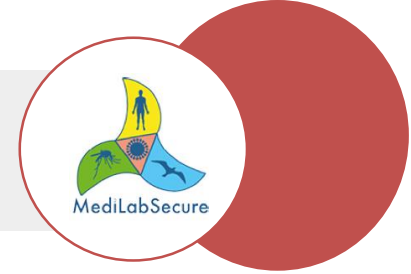
**Communication
&
advocacy activities**



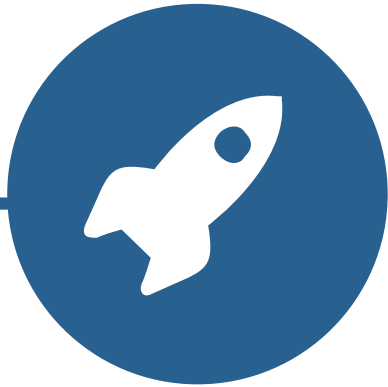
**Institutional
networking**



MediLabSecure 2: **Activities**



Capacity building



**Integrated surveillance
&
early warning**



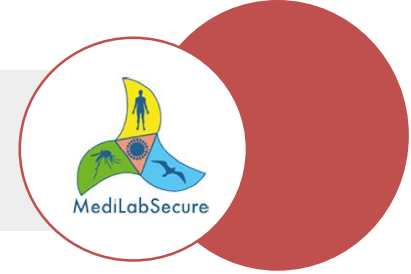
**Communication
&
advocacy activities**



**Institutional
networking**



MediLabSecure 2: **Activities**



Capacity building



Tailored technical support for preparedness



Training
(workshops, webinars)

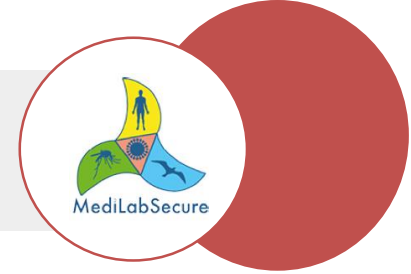


External Quality Assessment (EQA)



Tools

MediLabSecure 2: **Achievements**



Tailored Technical Support for preparedness

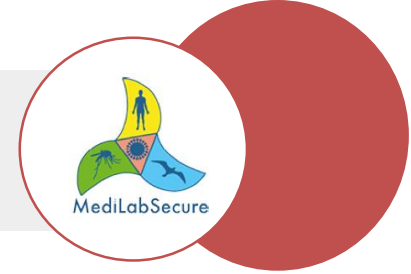
- Write up and sharing of **protocols, SOPs** (e.g. COVID-19, RVFV, WNV)
- **Tailored technical assistance** when a country faces a specific epidemic (eg CCHF/RVF, Sinbis, COVID-19)



Training

- **Molecular and serological diagnostics of arboviral infections, and COVID-19**
- **Bio-informatics** analyses,
- **Biosafety** practices,
- **Biorisk management,**
- **Vector identification,**
- **Vector monitoring** and control,
- **Epidemiology,**
- **GIS mapping and modelling,**
- **Intersectoral risk assessment exercises**

MediLabSecure 2: **Achievements**



External Quality Assessment (EQA)

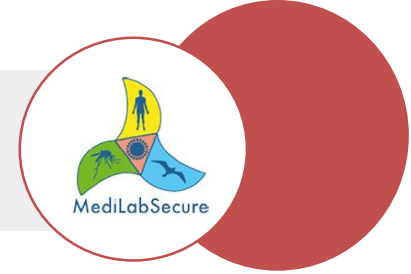
- Evaluation of the laboratory capacity to correctly apply and interpret results of **molecular and serological diagnostic techniques for arbovirus detection in biological samples**
- Evaluation of the laboratories' capacity to correctly **identify vector species**



Tools

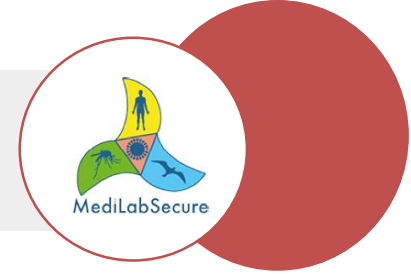
- **Interactive identification keys for vector:** to identify mosquitoes & phlebotomine sandflies covering Euro – Mediterranean and Sahelian species (UK and FR versions)
- **Practical toolkit:** mosquito factsheets to support easy field identification of vectors (main mosquito characteristic: morphological description, distribution, transmission,...)

MediLabSecure 2: Achievements in numbers

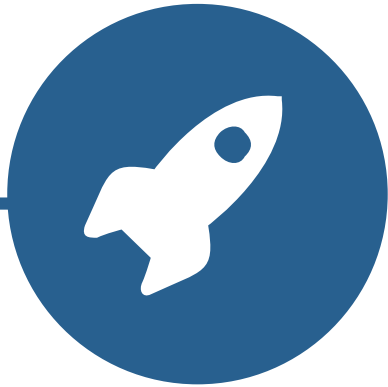


- ✓ **29** technical workshops
 - ✓ **16** training and **8** EQA
- representing almost **1000** participants trained

MediLabSecure 2: **Activities**



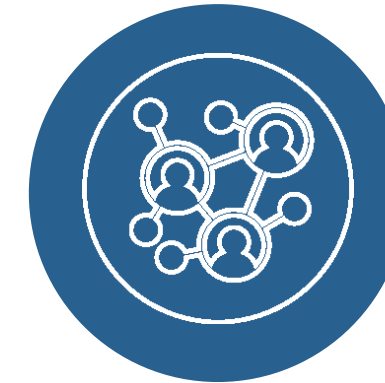
Capacity building



**Communication
&
advocacy activities**

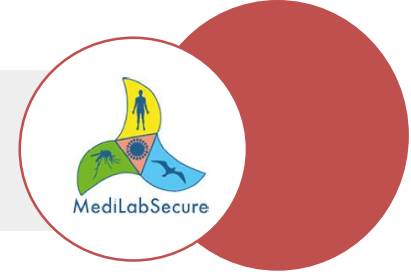


**Integrated surveillance
&
early warning**



**Institutional
networking**

MediLabSecure 2: **Activities**

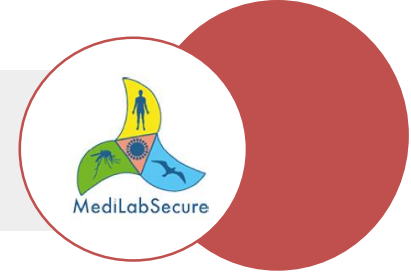


Reinforcing integrated early warning through analysis of the surveillance system and training needs assessment

MediLabSecure 2 Situational Analysis (MESAPLUS) in 3 countries

Expected outcome ► Elaboration of a Strategic Document reporting, discussing and recommending on enhancing early warning for arbovirus infections with One Health approach

MediLabSecure 2: **Activities**



Reinforcing integrated early warning through analysis of the surveillance system and training needs assessment

Identify geographical areas at risk and seasonality for potential outbreaks to develop tools for integrated early warning

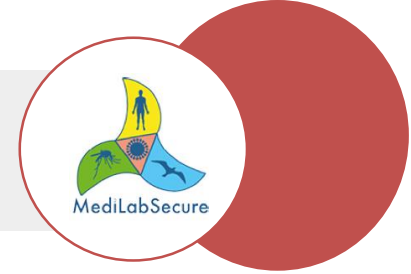
MediLabSecure 2 Situational Analysis (MESAPLUS) in 3 countries

Provide advanced GIS in epidemiology capacity building to the three pilot countries

Expected outcome ► Elaboration of a Strategic Document reporting, discussing and recommending on enhancing early warning for arbovirus infections with One Health approach

Building a solid baseline GIS in epidemiology capacity in all MediLabSecure countries

MediLabSecure 2: Achievements



Reinforcing integrated early warning through analysis of the surveillance system and training needs assessment

Identify geographical areas at risk and seasonality for potential outbreaks to develop tools for integrated early warning

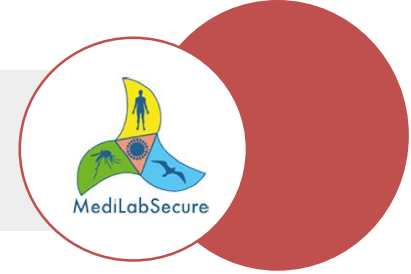
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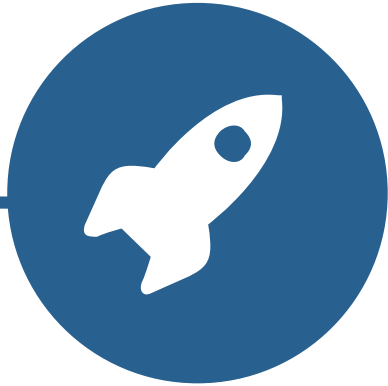
Armenia → ongoing

Tuesday May 17th	
8h30	Keynote Talk + round table Middle East One Health approach in early warning & preparedness on zoonoses Speaker: Dr Alaa odib Dr Rola Galeem
10h30	Break
11h00	Nagoya Protocol applied to activities Cindy Dias Vilela
12h30	Poster session + Lunch
14h00	Charter of values session
15h00	Presentation of GIS training opportunity Guy Hendrickks
16h30-18h	Entomology for non-entomologist Vincent Robert Medical entomology key expert
20h00-21h30	Dinner

MediLabSecure 2: **Activities**



Capacity building



**Integrated surveillance
&
early warning**



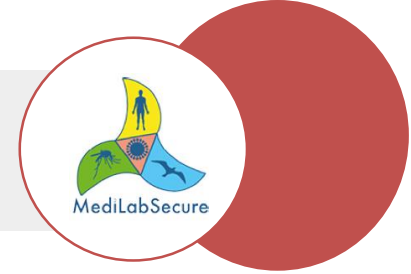
**Communication
&
advocacy activities**



**Institutional
networking**



MediLabSecure 2: Achievements



- Organization of networking events to foster intersectoral collaborations at the national and regional level

KOM Paris



First Regional Meeting (Dakar Jan. 2020)



Balkan and Black Sea Regional meeting (Online, Dec 2021)

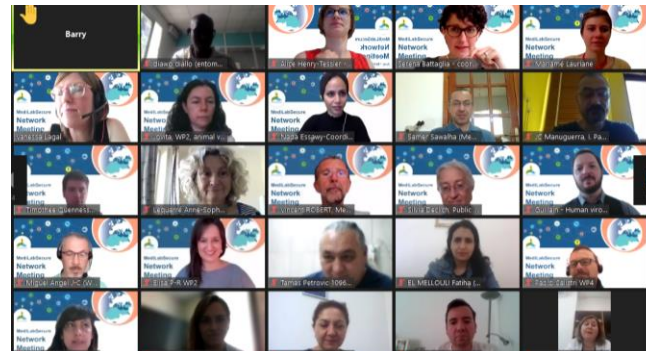
Online
BALKAN & BLACK SEA REGIONAL MEETING

2nd December 2021: 1-3PM (CET Time)
3rd December 2021: 10AM-12PM (CET Time)

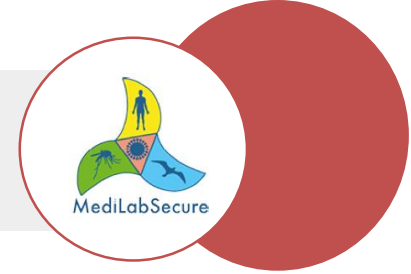
Partners: Institut Pasteur, INIA, URD, AVIA/GIS, etc.

Thursday Dec 2nd (CET)		Friday Dec 3rd (CET)	
1:00-1:05 PM	Opening		
	Case study: Detection of emerging zoonoses and outbreak investigations	10-11 AM	Poster session: Detection of emerging zoonoses and outbreak investigations
1:05-2 PM	Session 1: Case presentation	11-11:05 AM	Break
2-2:05 PM	Break	11:05 - 11:55AM	Overview on crisis communication (Speaker TBC)
2:05-3 PM	Session 2: Presentation of results and debate	11:55-12 PM	Closing

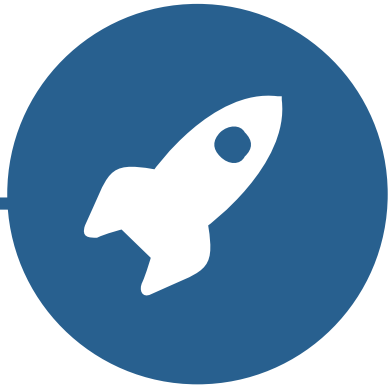
First Network Meeting (Online Jun. 2021)



MediLabSecure 2: **Activities**



Capacity building



**Integrated surveillance
&
early warning**



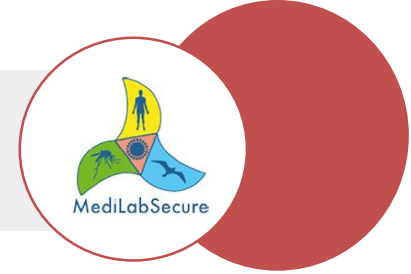
**Communication
&
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**Institutional
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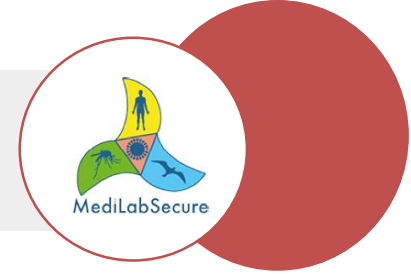


MediLabSecure 2: **Achievements**



- **Educational videos:** English, French and Arabic

MediLabSecure 2: COVID-19 support



Support of SARS-CoV-2 diagnostic capacities



- National reference laboratories within MediLabSecure beneficiary countries and beyond
- Veterinary laboratories involved in human diagnostic

Logistical and direct diagnostic support + protocol sharing

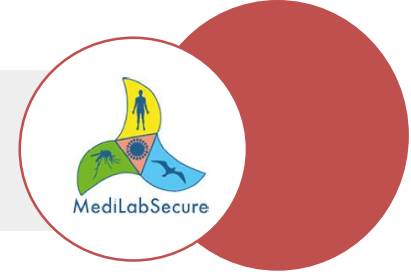
Strengthening surveillance and protection capacities in healthcare settings



- ▶ Off-line training on 'Preparedness and Response to the Health Emergency from novel Coronavirus SARS-CoV-2'
- ▶ Surveillance & Impact study for healthcare workers in Africa



MediLabSecure 2: **Activities till dec 2021 in numbers**



29

workshops



19

meetings



8

EQAs



8

site visits



17

publications



strategic
document



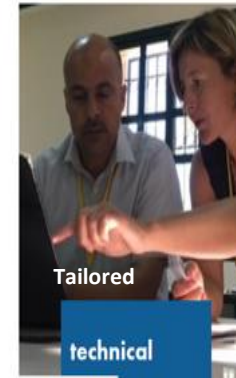
technical
tools



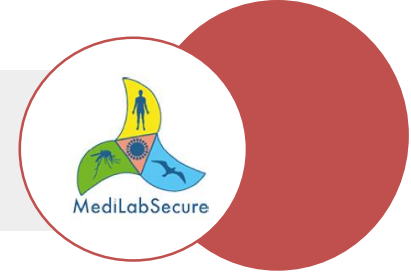
motion design
videos



multilanguage
exhibition



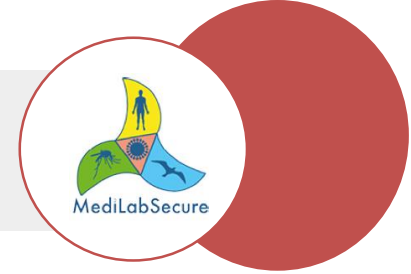
Tailored
technical
assistance



Project agenda

CURRENT & UPCOMING EVENTS

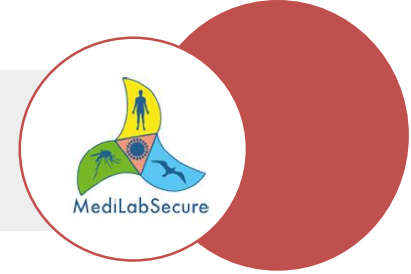
- **Mobile Laboratory and field diagnostics**
June 13th to 17th, 2022
Location : Institut Pasteur Dakar, Senegal
- **Workshop on diagnosis of Crimean-Congo Hemorrhagic Fever Virus**
May 24th to 27th, 2022
Location : Madrid, Spain
Program to come
- **IZSAM EPI training**
May, 2022
Location : Online
- **Rift Valley Fever Online Course WP4**
May 15th, 2022 (send the participation form before this date to [this address](#))
Location : Online



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MLS2: funding

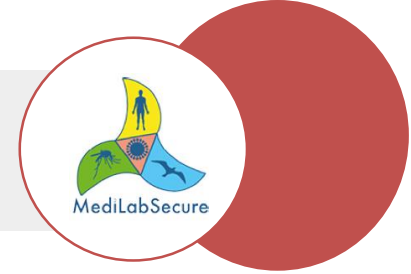


The European Union's Chemical, Biological, Radiological and Nuclear risk mitigation Centres of Excellence Initiative (**EU CBRN CoE**).

➔ addresses the **mitigation** of and **preparedness** against risks related to **CBRN** material and agents.



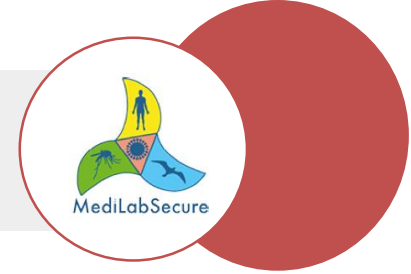
strengthen regional security



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MLS2: Timeline





THANK YOU!