



# Second ring of Action

**The EU Labs and the Ebola crisis;  
Central Asia**

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## **Establishment of Mobile Laboratories up to Risk Group 4 in combination with CBRN Capacity Building in sub-Saharan Africa: The European Mobile Laboratories** Project launch in 2010

*The 3 mobile labs belong to the EMLab project (3.4M€+ 2.4M€),  
A collaborative network of EU and African institutions able to  
operate in common mobile laboratory units during outbreaks  
of health-threatening pathogens.*

*The EMLab Consortium led by the German "Bernhard-Nocht-Institut für Tropenmedizin" is made of Member States  
laboratories (from Germany, Italy, France, UK, Slovenia and  
Hungary).*

*It operates under the supervision of WHO GOARN (Global  
Outbreak Alert & Response Network).*



*First Lab deployed in Gueckedou (Guinea) end of March 2014. Since then, 14 teams staffed with 3-5 specialists 7 days a week 12 hours, 70 tests daily.*





*Second Lab deployed in Port Harcourt (Nigeria) in August 2014. The laboratory confirmed the first case, allowed to trace all the patients to isolate and track all contacts in a record time to address the crisis.*

*Third Lab deployed in Foya (Liberia) in September 2014. After having done an excellent job in this area the laboratory will be redeployed in the region of Grand Cape Mount close to the Sierra Leone border.*









# **European Union West African Mobile Laboratory EUWAMLab.**

*Project launched in September 2014  
EUWAM-Lab (2.6 M €)*

*Coordinator: French P4 laboratory INSERM Lyon*

*In charge of training: Institut Pasteur and it's  
International Network*



# Needs



- *Crucial need for reinforcement of African staff capacities in handling the outbreak as well as qualified EU trained staff able to be mobilized in case of outbreak*
- *Need for improvement of laboratory ergonomics, technical capacities in complement to EMLAB*
- *Need for adaptation of the mobile laboratory and equipment to ensure adequate intervention in difficult climate conditions*

# Overall objective



*Strengthen the capacity of the African Countries affected by the 2014 Ebola Virus Disease outbreak to detect and identify infectious diseases caused by risk group 4 viruses*

Collaborations will be set up with the EMLab, the European Research Infrastructure on Highly pathogenic Agents (ERINHA) network and the already established health network RESAOLAB (Fondation Merieux).





# Methodology



*Set up of the mobile laboratory in West Africa, its deployment and maintenance*



# Methodology (2)



*Training in diagnostic techniques and the adequate use of the mobile unit for African and European staff*





## Expected Outcomes

- *Deployment of the Mobile Laboratory Unit in West Africa, according to needs*
- *Training of at least 10 EU and 40 African scientist for diagnosis of ebola viruses (and other level 4 viruses)*
- *Availability of the Mobile Laboratory for local training and deployment in the future*



## **CENTRAL ASIA: Kazakhstan (2011-2014)**

***Kazakh Scientific Centre for Quarantine and Zoonotic Diseases (KSCQZD):*** Renovation & Modernization of Training center, Dormitory and an Animal breeding facility in accordance with International regulations

*Biosafety and Biosecurity training **254 specialists** from (Kazakhstan, Tajikistan, Mongolia, Uzbekistan and Kyrgystan)*

*Training on biosafety and biosecurity to minimize bio risks of **60 trainers** in Kazakhstan, Tajikistan, Mongolia, Uzbekistan Kyrgystan.*

***Kazakh-Russian Medical University (KRMU)*** training for personnel of mobile medical units working in the field conditions **142** Health workers (**Doctors and nurses**)



**The high quality level of the training at KSCQZD was confirmed by the professional work of Dr. A. Japarova and her colleagues during human plague outbreak in Kyrgyz Republic in 2013.**







## **Tajikistan (2012-2014)**

***Creation of a Regional Biosafety Training Centre in Dushambe for capacity building for Tajikistan and Afghanistan Professionals.***

***45 Afhgans doctors and scientists and 130 Tajiks (Health care specialists) trained.***

***Kazakhstan and Tajikistan Achievements: national diploma, SOP, law reinforcement, creation of web site, English improvement, Curricula, teaching material, software, computer network, new intractive forms of training.***



## KSCQZD Bacteriological training facility before and after renovation

