

This project

was co-financed
by the
**EUROPEAN
UNION**



Implementing partner
and co-funder:
Fondation Mérieux

Start of the work: 1/07/2005
End of the work: 31/12/2009

Contrat de subvention N° SANTE / 2004 / 095-807

Presentation of a success story:

Results of the project ACTION BIOMALI

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Global Health Policy Forum

Brussels, 13 October 2010



Fondation Mérieux

- Independent family foundation with official charity status
- Its mission is to **strengthen local capacities** in developing countries to reduce the impact of infectious diseases on vulnerable population
- 4 types of activity: strengthening of health infrastructures, applied research programs, training and exchange of knowledge, mother & child support
- Budget: around 14 million €/year
- Fondation Mérieux funds sometimes submitted projects, but most of our activities are to set up - **in partnerships** - research and capacity building projects in LIC
- Fondation Mérieux works with an international network of experts, respecting the **local context and needs**



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TIC LAB
COORDINATION



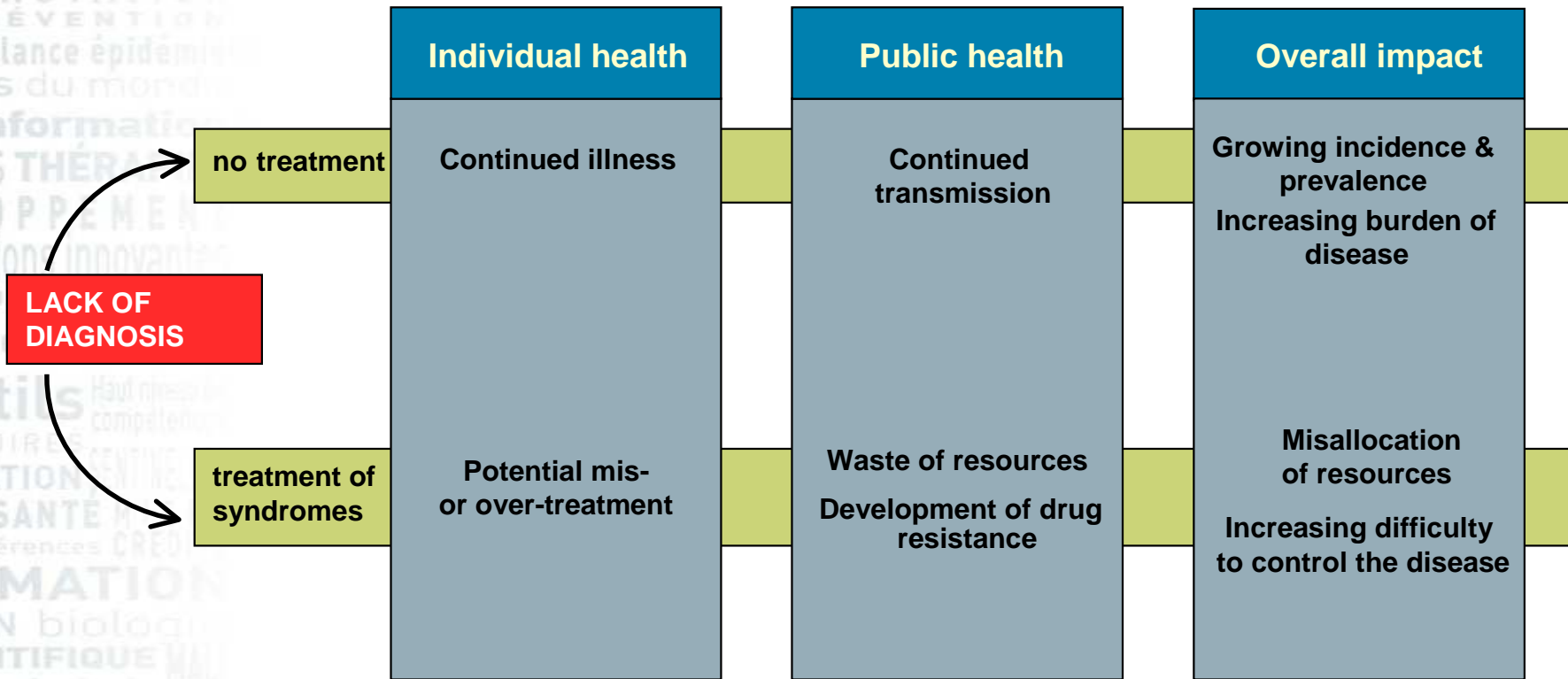
Fondation Mérieux in Mali



- Since 2004, in close collaboration with the government:
- **Centre Charles Mérieux Bamako**
 - Biomedical Laboratory
 - Training and Conference Centre
 - Centre for applied research
- Aims to strengthen – in partnership - biomedical laboratories all over the country and in the region



Importance of well functioning lab system



Field action: Mali



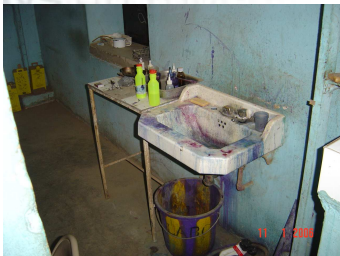
- Life expectancy at birth: 46 years
- U5 Mortality rate 217 (per 1000 live births)
- HIV prevalence among pregnant women 15-24: 6,4%
- TB prevalence: 599 (per 100 000)
- Diagnostic of malaria done in only 30% of cases
- Total expenditure on health: 6% of GDP
- Global Fund makes treatment available
- PRODESS – Health and Social Development Program
- National Strategy Plan for Health System Strengthening (2009)
- National Policy of Human Resource Development in Health (2009)
- IHP – member (since 2007)

Sources:
WHO Health Statistics 2006, 2007, UNICEF,
National malaria programme Mali



The situation

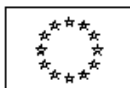
- Not enough laboratory professionals
- Those in place insufficiently trained
- Bad infrastructures and lack of (harmonized) equipment and reagents
- No harmonized procedures and quality assurance in place
- No network of laboratories in place for exchange of good practice and surveillance of infectious diseases
- Laboratory data not taken into account for epidemiology and disease surveillance
- Unreliable results
- No trust by patients and doctors...



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The project ACTION BIOMALI



Commission européenne

EuropeAid/117571/C/G/Multi

Aide à la lutte contre les maladies liées à la pauvreté (VIH/SIDA, paludisme, tuberculose) dans les pays en développement

Formulaire de demande de subvention

Ligne budgétaire 21.020702 (ex.B7-6311)

- Budget: 4 million € (90% EC, 10% Fondation Mérieux)
- Duration: 4 ½ years
- Implementing agency: Fondation Mérieux, via Centre Charles Mérieux Bamako
- Active partner: Ministry of Health of Mali
- Project follow-up by the EC Delegation in Mali



The project ACTION BIOMALI

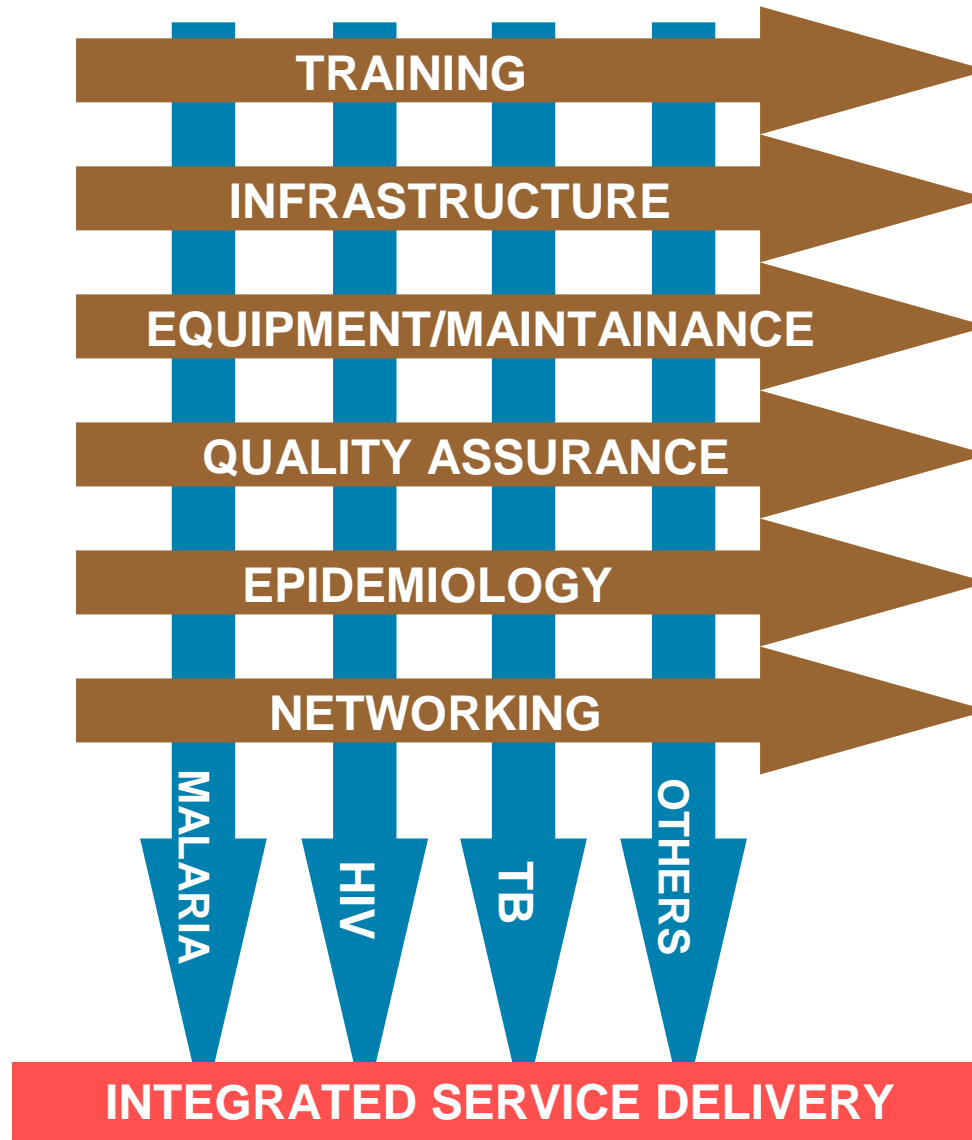


Objective:

Contribute to a better patient care by strengthening laboratory capacities all over the territory of Mali and bordering countries (integrated approach with focus on: HIV/AIDS, TB, malaria and other infectious diseases)



A need for integration



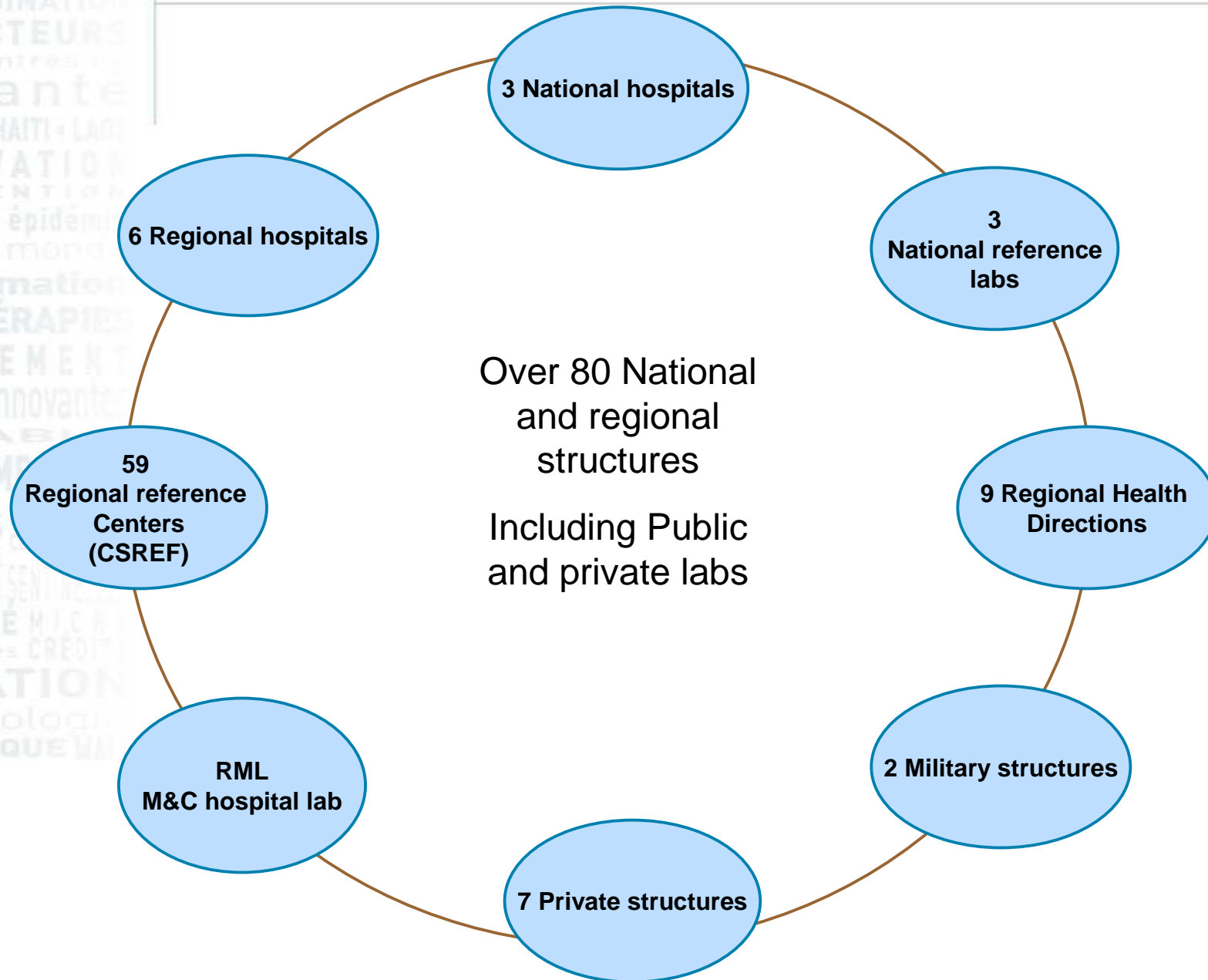
The Malien lead – a *must* for appropriation and sustainability

Steering Committee composed by:

- Project Coordinator (CCMB)
- Scientific Coordinator (CCMB)
- Local project Manager (CCMB)
- Director of Laboratory Department at the MoH, **Chair**
- Director of the National Institute of Public Health Research (Director of the Laboratory Network)
- Directors of the vertical programs (HIV/AIDS, TB, Malaria)



The ACTION BIOMALI laboratory network



Results: Structural support to the system (Needs)



- Detailed analysis and needs assessment of over 60 laboratories in terms of:
 - Human resources and continuous education
 - Infrastructure
 - Equipment and consumables
 - Biosafety
 - Organisational needs

ACTION BIOMALI
Contrat de subvention N° BAKTE / 2004 / 086-007



Projet co-financé par l'Union Européenne et la Fondation Mérieux dans le cadre du programme de l'Union de lutte contre les maladies liées à la pauvreté (M/H/BD, paludisme, tuberculose) dans les pays en développement

Analyse de la situation des laboratoires de biologie médicale au Mali en vue d'un programme de renforcement des capacités dans le domaine du VIH/SIDA, de la Tuberculose et du Paludisme.

Délivrable D01

		
Ce projet est financé par l'Union Européenne Délivré par la Coordonnateur Européen au Mali Ch. Joffre à Paris Immeuble 106 TT BP 110 80000 Tel: (33) 1 222 22 26 66 Fax: (33) 1 222 22 26 76	Le projet est financé par la Fondation Mérieux 17 Rue de Valenciennes 69277 Lyon 69600 Tel: (33) 4 72 46 79 55 Fax: (33) 4 72 46 79 56 Fondation Mérieux Mali Réseau DR Congo Mali BP N° 2281 3000000 - MALI Tel: (223) 222 54 54 Fax: (223) 222 54 55	Avec le soutien de l'Union Européenne BP 1070 Bamako Mali Tel: (223) 222 54 61 Fax: (223) 222 62 63



Results : Structural support to the system (Training)



- **Human resource plan for the Laboratory network:**
 - Initial training
 - Continuous education
 - Motivation
 - Coordination with other initiatives
 - Organisational and financial needs

ACTION BIOMALI
Contrat de subvention N° BANTE/2004/086-007

Projet co-financé par l'Union Européenne et la Fondation Mérieux dans le cadre du programme de l'Aide à la lutte contre les maladies liées à la pauvreté (M/H/8 DA, pluri-ans, libéralisée) dans des pays en développement

Plan de Formation du Réseau des Laboratoires d'Analyses Médicales du Mali

Délivrable D02

Coopérateur Concepteur Partenaire Européenne Département de la Coopération Européenne - S.A.8 Coopération Financière - Services de l'ET BP 112 80040 BO Tel: (33) 222 26 66 Fax: (33) 222 26 76	Le projet est financé et coordonné par la Fondation Mérieux Fondation Mérieux 60071 Lior FRANCE Tel: (33) 1 72 46 79 66 Fax: (33) 1 72 46 79 66 Fondation Mérieux Mali Rue de l'Institut Pasteur BP 112 80040 BO - MALI Tel: (223) 222 51 51 Fax: (223) 222 51 56	Cocycleur en charge de la mise en œuvre S.P. 1976 Bamako MALI Tel: (223) 222 54 81 Fax: (223) 222 62 81



Results : Structural support to the system (Quality)



- **Quality Plan and standardized lab procedures:**

- Strategy
- Activities
- Organisation
- Costs
- Implementation
- Procedures

→ National rules on standardized laboratory procedures

ACTION BIOMALI
Contrat de subvention N° BAITE/2004/096-007

Projet co-financé par l'Union Européenne et la Fondation Merieux dans le cadre du programme de l'aide à la lutte contre les maladies liées à la pauvreté (M/H/BD, maladies, élimination) dans les pays en développement

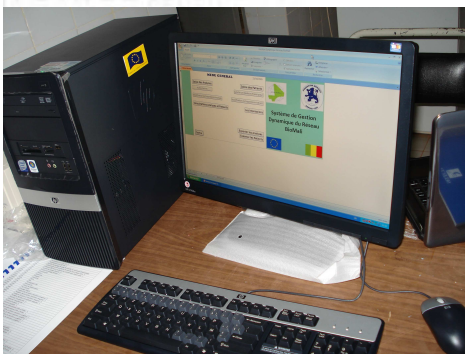
Plan National d'Assurance Qualité pour les Laboratoires d'Analyse Médicale au Mali

[Délivrable D 13]

Coprojet financé par l'Union Européenne Délégation de la Commission Européenne au Mali Courtilles France Immeuble 10/11 BP 115 - 00460 Tél: (+33) 222 26 66 Fax: (+33) 222 26 78	Le projet est financé et co-financé par la Fondation Merieux 17 Rue Beaupré 60271 Evry FRANCE Tél: (+33) 1 70 46 79 55 Fax: (+33) 1 70 46 79 56 Fondation Merieux Mali Réseau Des Centres Merieux 01, Boulevard BP F. 202 J 004600 - MALI Tél: (+223) 202 51 54 Fax: (+223) 202 51 56	On le coordonne 140 Boulevard de la Santé H2B B.P. 1976 Bamako MALI Tél: (+223) 202 52 61 Fax: (+223) 202 52 63



Results : Labs are better equipped



- 77 laboratories are better equipped with standardized material, reagents and consumables for ~1,5 m Euros
- Tenders organised in coordination with vertical programs
- Stock management in place
- Central ordering of consumables
- Training on maintenance of material provided
- 20 labs are equipped with computer and Internet access



Results : Personnel is better trained



- 278 health professionals received continuous education (diagnostic procedures and techniques, quality assurance, maintenance)
- 44 health superior laboratory technicians (from Mali and neighbouring countries) trained in the framework of a 6 months Bachelor degree at CCMB
- 140 lab technicians received practical on-the-job training
- National coverage respected



Results : Basis for quality assurance in place



- External quality control unit built
- Procedures and standards defined
- All national labs of the network apply harmonized SOP
- National quality manager trained at WHO Lyon
- Supervisions organised and will be implemented through the RESAOLAB project that sustains ACTION BIOMALI



Results: Labs communicate for better surveillance



- Harmonized grid for epidemiology and surveillance based on lab data
- Data are transmitted regularly by over 70 labs
- 20 labs transmit data electronically after training on computer and Internet use
- Data control in place
- E-learning planed via GLOBE portal



Results: Communication to beneficiaries



action
BIOMALI



www.actionbiomali.com

Pour dissiper tout doute sur la maladie,
une seule destination :
le laboratoire d'analyses biomédicales

Ka siga bo bana na pewu,
fo banasegesegeyoro

action action
BIOMALI BIOMALI

Ensemble, gagnons contre la maladie !

- National communication campaign organised by the Ministry of Health
- Including 50 counselling services



Outcome



- Annual attendance of laboratories in the regions and the district of Bamako has doubled at the end of the project
- Increase of over 30% of the diagnosis of HIV, TB, malaria
- Link with national programs and Global Fund for effective treatment and care



- <http://www.fondation-merieux.org/action-biomali-significant-results.html#video>



Sustainability

- Project extended to 2 neighbouring countries (Burkina Faso and Senegal) in the framework of the RESAOLAB project (Réseau Afrique de l'Ouest de Laboratoires)
- Supported by the French Development Agency AFD and Fondation Mérieux
- WHO and WAHO are actively involved
- Other countries from West Africa expressed interest
- Work on innovative laboratory financing
- Mali, Burkina Faso and Senegal increased budget for lab strengthening





Conclusion - 1

- **MDGs** will not be achieved in LIC without accessible and reliable laboratory systems
- **Accessibility** of laboratory testing and the **quality** of available services remain a serious challenge
- High quality laboratory testing is vital for :
 - **effective patient care (including resistances),**
 - **prevention,**
 - **disease surveillance,**
 - **outbreak investigations**
- Absolutely necessary for the implementation of the International Health Regulations (**IHR**)
- Quality Lab services necessary for the fight against communicable and **non-communicable diseases**
- Laboratory systems have to be strengthened as part of **Health System Strengthening (HSS)** efforts



Conclusion - 2

- For Mali and neighbouring countries health is not a priority in the CSP → need for project support
- Project support have proved to be efficient and can be sustainable
- Projects can be focused on the needs of the population
- Projects can involve actively Ministries and local actors
- European NGOs can efficiently manage projects and are accountable
- Visibility for EU is assured



Thank you!

<http://www.fondation-merieux.org>

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This paper was produced for a meeting organized by Health & Consumers DG and represents the views of its author on the subject. These views have not been adopted or in any way approved by the Commission and should not be relied upon as a statement of the Commission's or Health & Consumers DG's views. The European Commission does not guarantee the accuracy of the data included in this paper, nor does it accept responsibility for any use made thereof.