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Responding to Crises

Guinea Preventing & Responding to Ebola crisis



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Strategic Questions

- Could the recent Ebola outbreak have been predicted?
- Why was the magnitude of the outbreak so high?
- Could the extension of the outbreak have been contained?
- Could the Ebola Viral Disease (EVD) happen again?
- Why did local communities react negatively? Why so much rumors, misperceptions?
- What are the roles of countries & international community and the future for globalization?

Impact of Recent EVD Outbreak

- Guinea faced recurrent socio-political conflicts, natural disasters, emergencies
- Recent Ebola outbreak affected the socio-economical activities & sustainable development seriously
- Impact of global mass media & communication on the people and countries affected

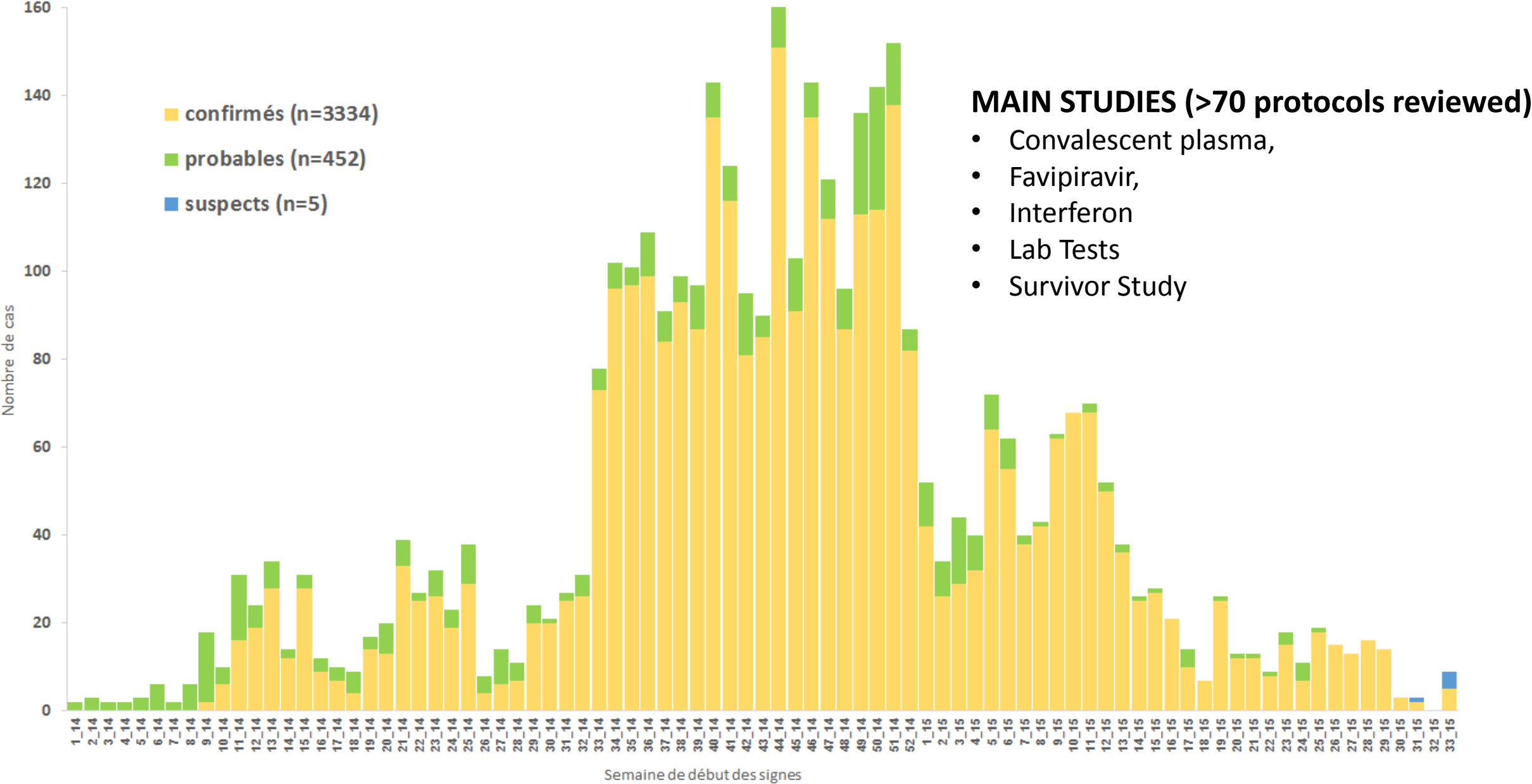
Ebola R&D Background

- Unprecedented EVD outbreak in West Africa, Guinea as epicenter
- WHO set of meetings in Geneva, 2014-2015
- Reasons for Guinea request:
 - Potential therapeutics could reduce mortality (Favipiravir, Convalescent Plasma, Interferon, Zmap)
 - Vaccine could interrupt the outbreak as soon as possible, (Ring vaccination)
 - The current research could have some benefits on the at-risk population (Frontline worker vaccination)
 - Country capacity building for R & D in the context of weak health system

Update of EVD Outbreak in Guinea as of 26 Aug 2016

	Resurgence of the Epidemic			1st wave of the Epidemic			Cumulative		
Cases	Case	Death	Case Fatality Rate (CFR)	Case	Death	Case Fatality Rate (CFR)	Case	Death	Case Fatality Rate (CFR)
Total Confirmed	07	05	71%	3 351	2 083	62%	3 358	2 088	62%
Total Probable	03	03	100%	453	453	100%	456	456	100%
Total Suspected	-	-	-	-	-	-	-	-	-
All Total cases (confirmed, probables & suspected)	10	08	80%	3 804	2 536	67%	3 814	2 544	67%
Health Staff	00	00	-	211	115	55%	211	115	55%

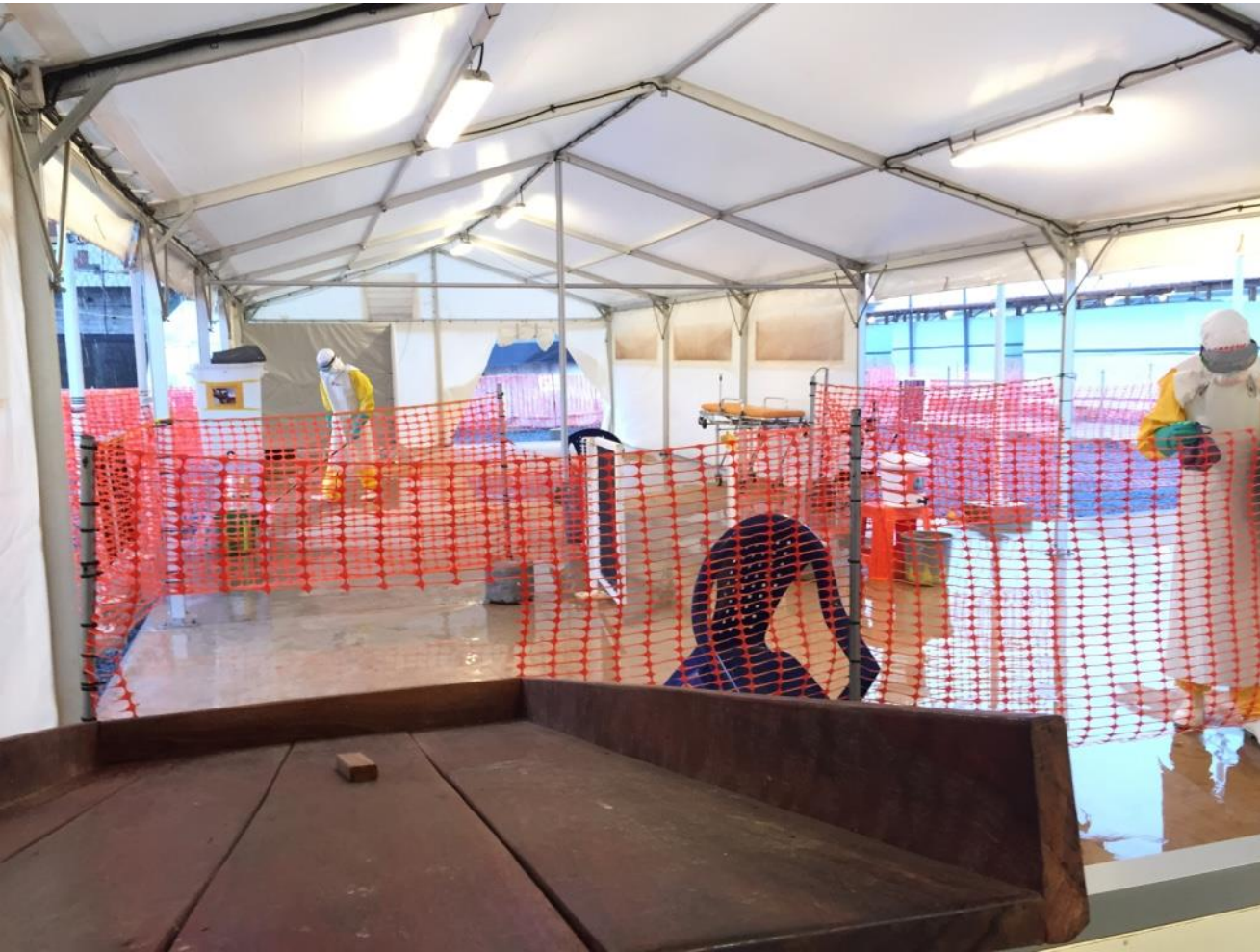
Guinea Ebola Epidemic Curve, 30 Dec 2013- 18 August 2015



Main Strategic Control

- Surveillance & Contact tracing
- Lab confirmation
- Case Management
- Infection Prevention & Control (IPC)
- Adequate & dignity Burrial
- Communication & Social Mobilization
- Coordination





Promising Ebola Vaccine Phase 3 trial results in Guinea, Towards vaccine licensure

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Articles

Efficacy and effectiveness of an rVSV-vectored vaccine expressing Ebola surface glycoprotein: interim results from the Guinea ring vaccination cluster-randomised trial

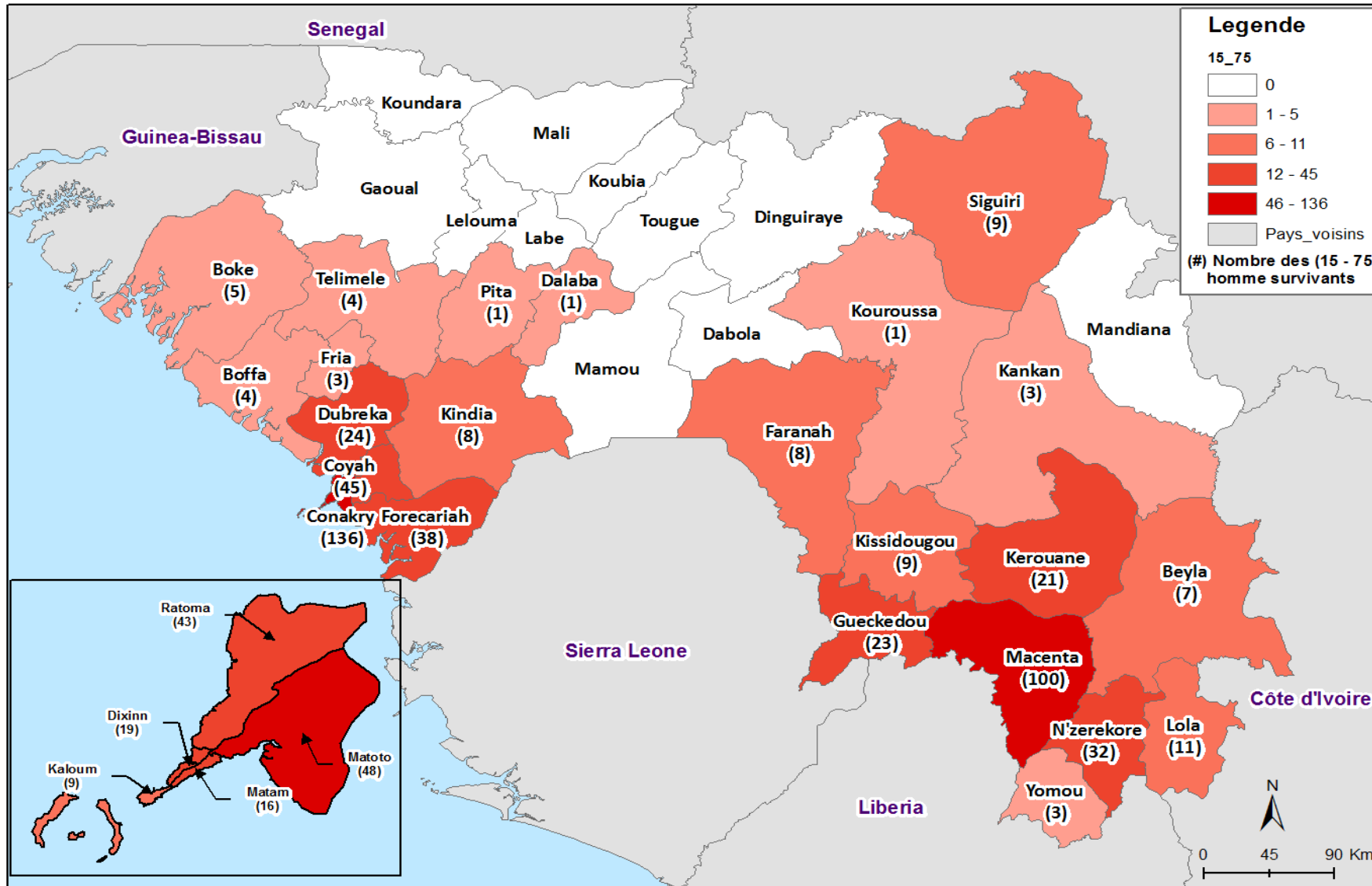
Ana Maria Henao-Restrepo, MD, Prof Ira M Longini, PhD, Prof Matthias Egger, MD, Natalie E Dean, PhD, Prof W John Edmunds, PhD, Anton Camacho, PhD, Miles W Carroll, PhD, Moussa Doumbia, MD, Bertrand Draguez, MD, Sophie Duraffour, PhD, Godwin Ewere, FWACP, Rebecca Grais, PhD, Stephan Gunther, MD, Stefanie Hossmann, MSc, Prof Mandy Kader Kondé, PhD, Souleymane Kone, MSc, Eeva Kuisma, PhD, Prof Myron M Levine, MD, Sema Mandal, MD, Gunnsteina Norheim, PhD, Ximena Riveros, BSc, Aboubacar Soumah, MD, Sven Trelle, MD, Andrea S Vicari, PhD, Conall H Watson, MFPH, Sakoba Kéita, MD, Dr Marie Paule Kiery, PhD , Prof John-Arne Rettingen, MD[†]

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Challenge of sexual EVD Transmission

EVD Survivor by District in Guinea (n=1270) & Male 15-75 years (n= 496)



Challenges for EVD research

- Better understanding of the disease
- Communication & Migration issues and its impact on the affected population
- Compliance with the principles of GCP, ethical and regulatory pathway
- Survivors and contacts follow up (Sexual transmission risk assessment)
- The ecological studies (animal reservoir...)
- Virus variability and sequences
- Country capacity building towards research sustainability

Opportunities

- Local capacity building: Staff & Research system, equipments, infrastructure,
- Sub regional collaboration of Mano River Union (Cote d'Ivoire, Guinea, Liberia, Sierra leone) towards West Health Organization
- International partnership (UN, Bilateral Cooperation, Institutions & Academia, NGO's, Manufacturer's, Regulator's, Ethic Review Board, etc)

Main lesson learned

- Lack of communication during the crisis
- Misperception, ignorance, lack of confidence of the community
- EVD affected community culture & behaviour (burial & ceremonies)
- Mobility & migration increased the risk of the spread of EVD
- Number of ETU, Infection Prevention Control (IPC) & contribute to better disease control
- New technology/innovation helped to control the outbreak
- Lack of leadership & ownership on the EVD R&D with various partnership to be strengthened
- Resilience of socio-economical development & health system strengthening of the affected countries including Guinea

Home take Message

Health crisis impacting negatively the socio-économic development in Guinea

World change determinants that impact the human live and the future

Better Pevention than Responding to crisis like fireman !

Sub Regional Ebola Research Partnership

