



# GLOBAL TASK FORCE ON CHOLERA CONTROL

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**Joint Meeting of the Working Groups on Surveillance (Laboratory & Epidemiology)  
16 to 18 April 2018 – Annecy, France  
AGENDA**

**Objectives:**

The meeting will be an opportunity to present an update on the GTFCC and the *Ending Cholera Roadmap* and in this context to discuss the engagement of the Surveillance Epidemiology and Laboratory WG in the implementation of the roadmap. Specifically, the proposed objectives of the meeting are to:

- Provide an update on the GTFCC and the recently launched *Ending Cholera Roadmap*
- For partners and countries to provide an update on activities
- Agree on next steps in the mapping of cholera hotspots in affected countries to inform the implementation of control interventions
- Discuss the role of modelling to inform response to outbreaks and use of Oral Cholera Vaccines
- Agree on recommendations for national laboratories for the management of cholera strains including quality assurance
- Identify opportunities for coordination with other GTFCC Working Groups

**Dates:** 16 to 18 April 2018

**Location:** Veyrier du Lac, France

**Venue:** Fondation Merieux Conference Centre Les Pensières

DAY 1	
JOINT MEETING LABORATORY AND EPIDEMIOLOGY WORKING GROUP	
Time	
8.30 -9.00	<b>Welcome coffee</b>
9.00 -9.30	<b>INTRODUCTION</b> Opening Remarks – <i>Marie Laure Quilici, Chair of the Laboratory WG and Francisco Luquero, Chair of the Epidemiology WG</i> Introduction of participants and meeting objectives
9.30 – 10.15	<b>GTFCC UPDATE</b> <ul style="list-style-type: none"> <li>Ending Cholera, A Global Roadmap to 2030, <i>Dominique Legros, GTFCC Secretariat</i></li> <li>Moving forward with the implementation of the Roadmap, <i>Johanna Fihman, GTFCC Secretariat</i></li> </ul> <i>Questions and answers</i>
10.15-10.45	<i>Coffee Break</i>
10.45 -11.45	<b>COUNTRY SURVEILLANCE CAPACITY</b> <ul style="list-style-type: none"> <li>Introduction to the survey and initial results, <i>Chesco Nogareda, GTFCC Secretariat</i></li> <li>Feedback from participating countries on their assessment of country surveillance capacity, impact of previous capacity development projects, national planning or policy pending implementation, and the content and utility of survey for identifying priorities for support</li> </ul> <i>Facilitated Group Discussion</i>
11.45 – 12.10	<b>THE NAGOYA PROTOCOL,</b> <ul style="list-style-type: none"> <li>Presentation on the Nagoya protocol, <i>Claudia Nannini, WHO</i></li> </ul> <i>Q&amp;A and brief discussion on practical consequences</i>
12.10-13.00	<b>WHOLE GENOME SEQUENCING</b> <ul style="list-style-type: none"> <li>Genomic history of the seventh pandemic of cholera– <i>Nick Thomson, Sanger institute</i></li> <li>Compiled Whole Genome sequencing and outbreak epidemiology data , <i>Emaline Laney, GTFCC Secretariat</i></li> </ul> <i>Questions and answers</i>
13.00 -14.00	<i>Lunch Break</i>

<b>14.00 - 15.40</b>	<p><b>ESTIMATING CHOLERA DISEASE BURDEN</b></p> <ul style="list-style-type: none"> <li>• Introduction, rationale, and expected outcomes, <i>Francisco Luquero, Epicentre</i></li> </ul> <p><b><u>Presentation on Methodologies of Quantifying National/Regional burden</u></b></p> <ul style="list-style-type: none"> <li>• Global/regional estimates and update, <i>Mohammad Ali, JHU</i></li> <li>• Geographic scaling of incidence, <i>Justin Lessler, JHU</i></li> <li>• UNICEF Country fact sheets, <i>Renaud Piarroux, Université Sorbonne</i></li> <li>• Using serology to measure incidence of recent exposure, <i>Andrew Azman, JHU</i></li> </ul> <p><i>Questions and answers</i></p>
<b>15.40 – 16.00</b>	<i>Coffee Break</i>
<b>16.00 – 18.00</b>	<p><b>ESTIMATING CHOLERA DISEASE BURDEN – Group Work</b></p> <ul style="list-style-type: none"> <li>• Introduction to group work, <i>David Olson, WHO GTFCC Secretariat</i></li> <li>• Group work</li> <li>• Feedback in plenary and facilitated discussion</li> <li>• Next steps</li> </ul>
<b>DAY 2</b>	<b>JOINT SESSION LABORATORY AND EPIDEMIOLOGY WORKING GROUP</b>
<b>9.00-10.00</b>	<p><b>ENVIRONMENTAL SURVEILLANCE: WHEN, WHERE, WHAT and WHY</b></p> <ul style="list-style-type: none"> <li>• Introduction on the rationale for environmental testing and update on discussions to date, <i>David Olson, GTFCC Secretariat</i></li> <li>• Presentation of draft note and agreement on content, <i>Renaud Piarroux, Université Sorbonne</i></li> </ul> <p><i>Facilitated group discussion on use of environmental surveillance in: high-risk emergency settings for outbreak prevention, during cholera outbreaks and Inter-outbreak settings: M&amp;E of WASH cholera control projects</i></p>
<b>10.00 – 11.00</b>	<p><b>UPDATE ON CHOLERA RDTs</b></p> <ul style="list-style-type: none"> <li>• Cholera RDT prequalification process, <i>Mark Lannigan, WHO</i></li> <li>• Update on recent icddr,b RDT evaluation, <i>TBC</i></li> <li>• Modelling of RDT positive rates and to refine true outbreak epidemiology the example from Yemen – <i>Anton Camacho, Epicentre</i></li> <li>• Laboratory evaluation of RDTs in Haiti, <i>Louise Ivers, MGH</i></li> </ul> <p><i>Questions and Answers</i></p>
<b>11.00-11.15</b>	<i>Coffee Break – then return in separate sessions</i>

LABORATORY WORKING GROUP		EPIDEMIOLOGY WORKING GROUP	
<b>11.15 – 12.30</b>	<p><b>INTRODUCTION</b> Objectives of the session – <i>Marie Laure Quilici, Chair</i></p> <p><b>ENVIRONMENTAL SURVEILLANCE METHODOLOGIES: what tests, when and where? Methodologies and standard,</b> <i>Michele Parsons and Maryann Turnsek, CDC</i></p> <ul style="list-style-type: none"> <li>• Environmental sampling techniques and methodologies, reporting standards</li> <li>• Next steps on the technical note</li> </ul>	<b>11.15 – 12.30</b>	<p><b>INTRODUCTION</b> Objectives of the session- <i>Francisco Luquero, Chair</i></p> <p><b>MODELLING OF CHOLERA TRANSMISSION DYNAMICS</b> <b>Country examples</b></p> <ul style="list-style-type: none"> <li>• Basic tools and parameters to characterize a cholera epidemic, the example of Yemen , <i>Anton Camacho Epicentre</i></li> <li>• Haiti cholera epidemic after hurricane Matthew: short term predictions and measurement of vaccine impact, <i>Andrea Rinaldo EPLF</i></li> <li>• Forecasting of national/regional cholera burden and lessons learnt from other disease modelling , <i>Justin Lessler JHU</i></li> </ul> <p><i>Questions and answers</i></p>
<i>12.30-13.30</i>	<i>Lunch Break</i>	<i>12.30 -13.30</i>	<i>Lunch Break</i>
<b>13.30-14.30</b>	<p><b>Molecular testing, Whole Genome Sequencing- access and analysis,</b> <i>Nick Thomson, Sanger Institute</i></p> <ul style="list-style-type: none"> <li>• WGS: definitions, description of strains, review of analytic needs, how to increase access, research agenda</li> <li>• Strain surveillance – next steps on reference labs, sample preparation, material transfer agreements</li> <li>• Discussion on recommendations from the WG</li> </ul>	<b>13.30 – 14.00</b>	<p><b>Example of current tools used:</b></p> <ul style="list-style-type: none"> <li>• Data sharing agreements for timely data availability <i>Andrew Azman, JHU</i></li> </ul> <p><i>Questions and answers</i></p>
<b>14.30-15.30</b>	<p><b>Cholera-specific immune serology testing</b></p> <ul style="list-style-type: none"> <li>• Use of sero-surveys in the estimation of disease burden, Limits and challenges , <i>Jason Harris, MGH</i></li> <li>• Discussion on recommendations from the WG</li> </ul>	<b>14.00 -17.00</b>	<p><b>Defining the role of the Epi WG: “Modelling Package” for countries</b> (<i>includes coffee break at 15.30</i>)</p> <p>The objective of the session is to define how the Epi can support countries through modelling: The group will review and discuss:</p> <ul style="list-style-type: none"> <li>• Which indicators to monitor</li> <li>• Which data to be collected</li> <li>• Based on experience to date, which mechanism/set up should be put in place for improved coordination</li> </ul>
<i>15.30 -16.00</i>	<i>Coffee Break</i>		
<b>16.00-17.00</b>	<p><b>Country laboratory capacity building</b></p> <ul style="list-style-type: none"> <li>• The scope of work for technical experts to assess and support countries in their laboratory capacity including training needs, quality assurance needs, supply management</li> <li>• Discussion on recommendations from the WG on lab capacity building services for country support</li> </ul>		

**DAY 3****JOINT SESSION LABORATORY AND EPIDEMIOLOGY WORKING GROUP****9.00 -13.00****COUNTRY SUPPORT: THE ROLE OF THE EPIDEMIOLOGY AND LABORATORY WORKING GROUPS**

- Introduction of the session: objectives and expected outcomes, *Dominique Legros, GTFCC Secretariat*
- Feedback from participating countries on the discussions of the WG to guide the last session

**9.30 – 10.15****Laboratory support to countries –Feedback from the Lab WG**

- Feedback from the Laboratory WG session and proposed role for the WG – *Marie Laure Quilici, Institut Pasteur*  
*Group discussion on the way forward and agreement on WG recommendations*

**10.15 – 11.00****Modelling Support in the early detection, confirmation and control of outbreaks – Feedback from the Epi WG**

- Feedback from the Epidemiology WG session and proposed role for the WG -*Francisco Luquero, Epicentre*
  - Short-term Outbreak prediction
  - Estimating impact of specific interventions, strategies

*Group discussion on the way forward and agreement on WG recommendations*

**11.00 – 11.15**

*Coffee break*

**11.15 – 11.45****Next steps on the Surveillance Capacity Survey tool**

- Opportunities for support to countries – *Chesco Nogareda, GTFCC Secretariat*

*Group discussion on the way forward and agreement on WG recommendations for technical support to countries from the Lab and the Epi WGs*

**11.45 – 12.30****Technical guidance needs**

- Overview of current guidance available, *David Olson, GTFCC Secretariat*
- From the LAB WG, *Marie Laure Quilici, Institut Pasteur*
  - Next steps on draft notes: Role of environmental surveillance
  - Additional notes to be developed including a guide on preparation, packaging, shipment of stool samples (template MTA, country-specific shipper identified), “ Lab Package”
- From the EPI WG, *Francisco Luquero, Epicentre*
  - Notes to be developed: 2 pages definitions and dissemination

*Group discussion and agreement on way forward*

**12.30-13.00**

**WAY FORWARD – WORKPLAN**

**Supporting cholera control programmes**

- Role of the regional platforms, *TBC*
- How to facilitate countries access to the Working group, *David Olson, GTFCC Secretariat*  
*Group discussion and agreement on way forward*
- Summary of agreed next steps for the Surveillance Laboratory and Epidemiology Working groups, *Johanna Fihman, GTFCC Secretariat*

**Closing remarks from the Chairs**

**END OF MEETING**