



Cholera Roadmap Research Agenda

GTFCC Annual Meeting 2020

Dr Deborah King, Vaccines Research Lead

Wellcome

A politically and financially independent charitable foundation supporting research to improve health

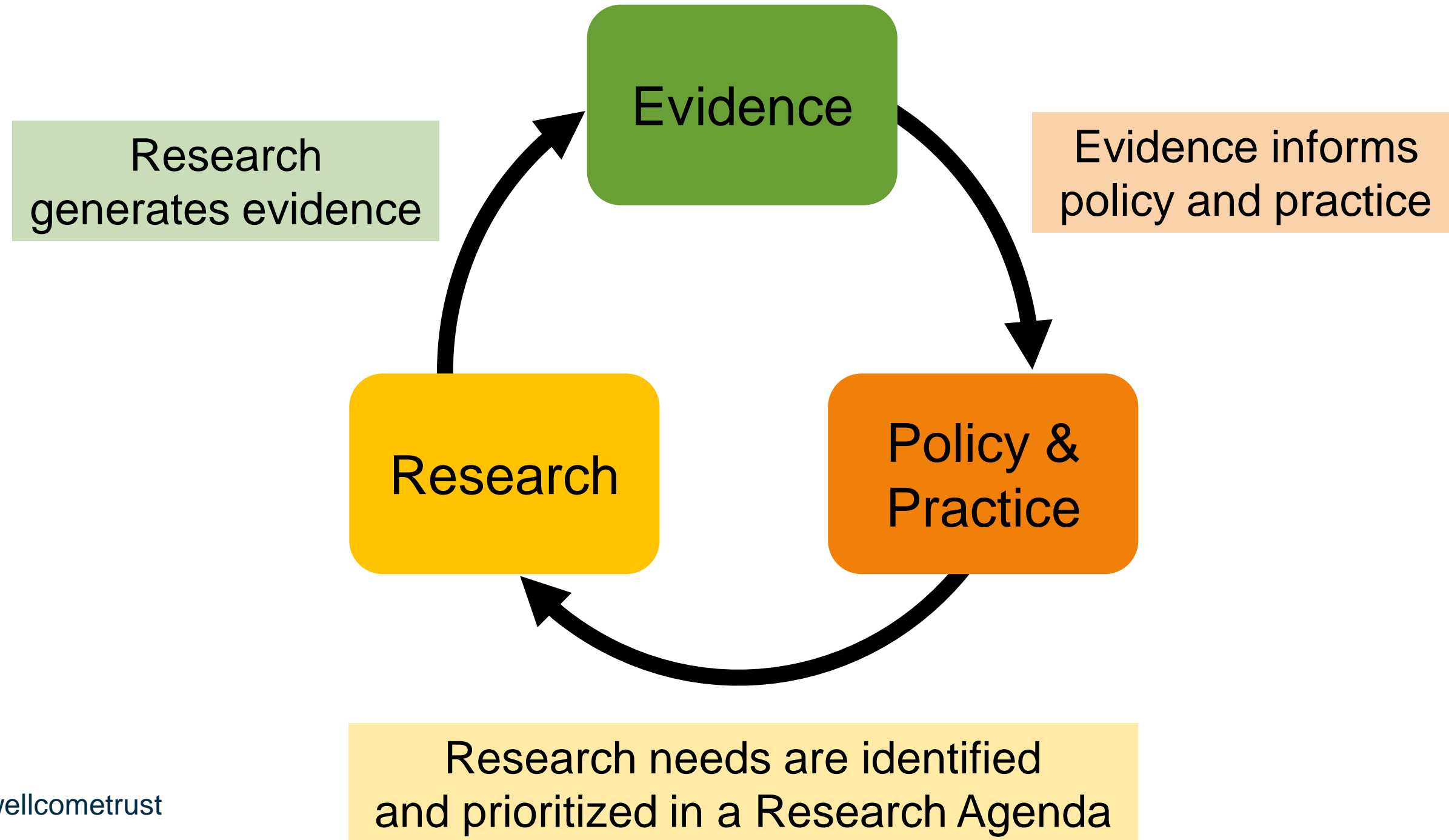
Wellcome supports science to solve the urgent health challenges facing everyone

We support researchers, take on big health challenges, campaign for better science and help everyone get involved with science and health research

For cholera:

Science	Innovations	Vaccines Priority Area
<u>Creating knowledge</u>	<u>Translational research</u>	<u>Addressing a challenge</u>
<ul style="list-style-type: none"> - Genomics @ Sanger Institute - Many investigator-led research projects 	<ul style="list-style-type: none"> - Vaccine development and impact - Rapid diagnostics 	<ul style="list-style-type: none"> - Funding call with FCDO (DfID) for research to inform decision-making (all GTFCC pillars) - Cholera Roadmap Research Agenda

Strengthening the links between Research, Implementation and Policy



Overview – Cholera Roadmap Research Agenda

Why?

- To **identify research needs** based on the perspectives of implementation, policy and research communities
- To **prioritise the research** that will help countries meet the Ending Cholera Roadmap 2030 goals
 - Competing priorities
 - Optimize donor funding
- To communicate how addressing research priorities will **address the needs of people working in the field**

How it will be used

- Act as a **strategic guide** and a “**to-do**” list of research priorities
- By **researchers** to design research projects to address the priorities
- By **donors** to evaluate proposals’ importance to roadmap goals
- By **countries** and **implementers** to incorporate monitoring and evaluation into health programmes

Developing the Research Agenda

CHNRI methodology



Consultative

- Involvement of all stakeholders throughout the process
- Democratic process using **crowd sourcing**



Replicable

- Progress can be monitored
- Exercise can be repeated



Transparent

- Clearly defined context and prioritisation criteria
- Strengths and weaknesses of each idea can be clearly communicated
- Outcome is simple, intuitive, and quantitative



Comprehensive

- All types of research are included and evaluated within the same framework

The process:

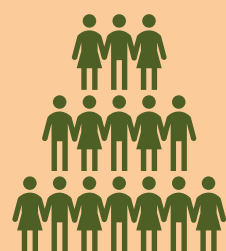
Research Agenda Steering Committee guides and governs the process



01 COLLECT & DEVELOP

- **Interviews, surveys, and virtual discussions** to collect input on barriers to implementation of the Roadmap and criteria to prioritise research
- **Collect research questions (RQ)**, consultation with GTFCC WGs chairs and other experts = remove duplicates, standardize and categorize
- **Stakeholder meeting** to adapt prioritization methodology, including defining criteria, weights and context

JANUARY – JUNE



02 PRIORITIZE

- **Score RQs** against criteria from a large group of stakeholders
- Analyze responses and **identify prioritized RQs** for Cholera Roadmap Research Agenda

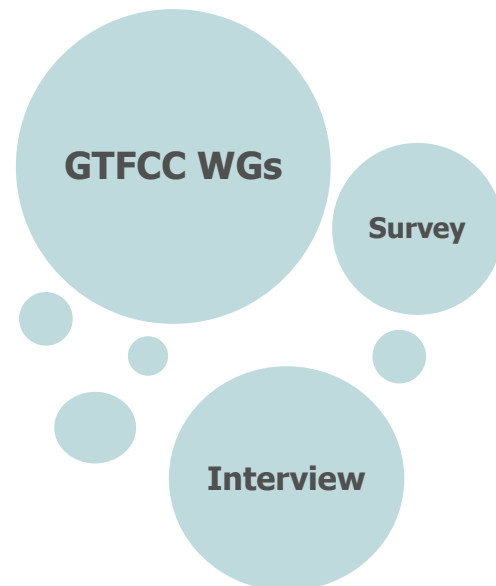
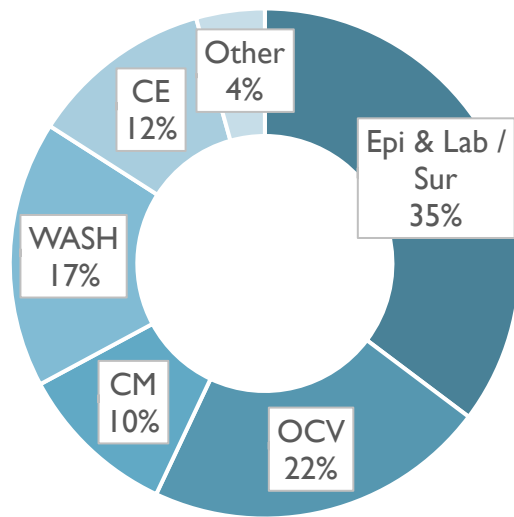
JULY – NOVEMBER

LAUNCH EARLY 2021



Identifying criteria + developing research questions

141 Experts consulted



Criteria for prioritizing research

- 1 Relevancy
- 2 Impact
- 3 Implementability
- 4 Answerability
- 5 Sustainability

> 300

Gaps identified by experts across Roadmap pillars



Formulated into research questions + reviewed by experts



93

Research questions to be prioritised

Defining context

The scope of research to be included – who, where, when and what outcomes?

- Who is the **population of interest**?

All countries and communities where cholera is endemic and/or there is epidemic risk of cholera

- What is the **impact of interest**?

Reduction of deaths and burden of cholera

- Burden may include prevalence and morbidity as well as economic and social impact

- **Geographical scope** of research?

Global, regional, national and sub-national levels

- **Timescale**

Present day to 2030

Prioritise

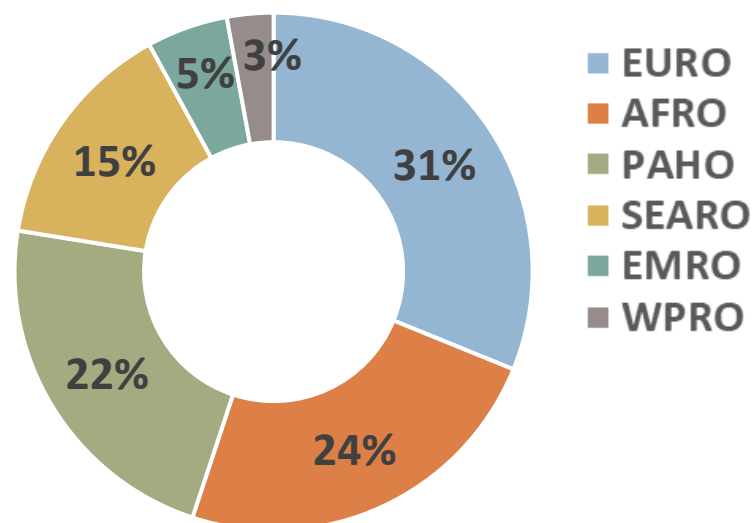
Survey sent to ~245 people working in cholera (researchers, implementors, policy/decision-makers, donors)

Each research question was scored against 5 criteria:

- 1 Relevancy
- 2 Impact
- 3 Implementability
- 4 Answerability
- 5 Sustainability

Scores calculated (weights applied to each criteria), combined, averaged = research priority score / question

138 responses:



What will be in the Research Agenda

Full results and list of research questions available upon launch in early 2021

20 Key Research Priorities

Spanning all types of cholera research
The highest ranking research questions from the survey

Includes top 5 cross-cutting research priorities

+

**Top 5 priorities
OCV research**

+

**Top 5 priorities
WASH research**

+

**Top 5 priorities
Case Management
research**

+

**Top 5 priorities
Epi & Lab /
Surveillance
research**

**The importance of community
engagement research**

The importance of discovery research



Cholera Research Tracker



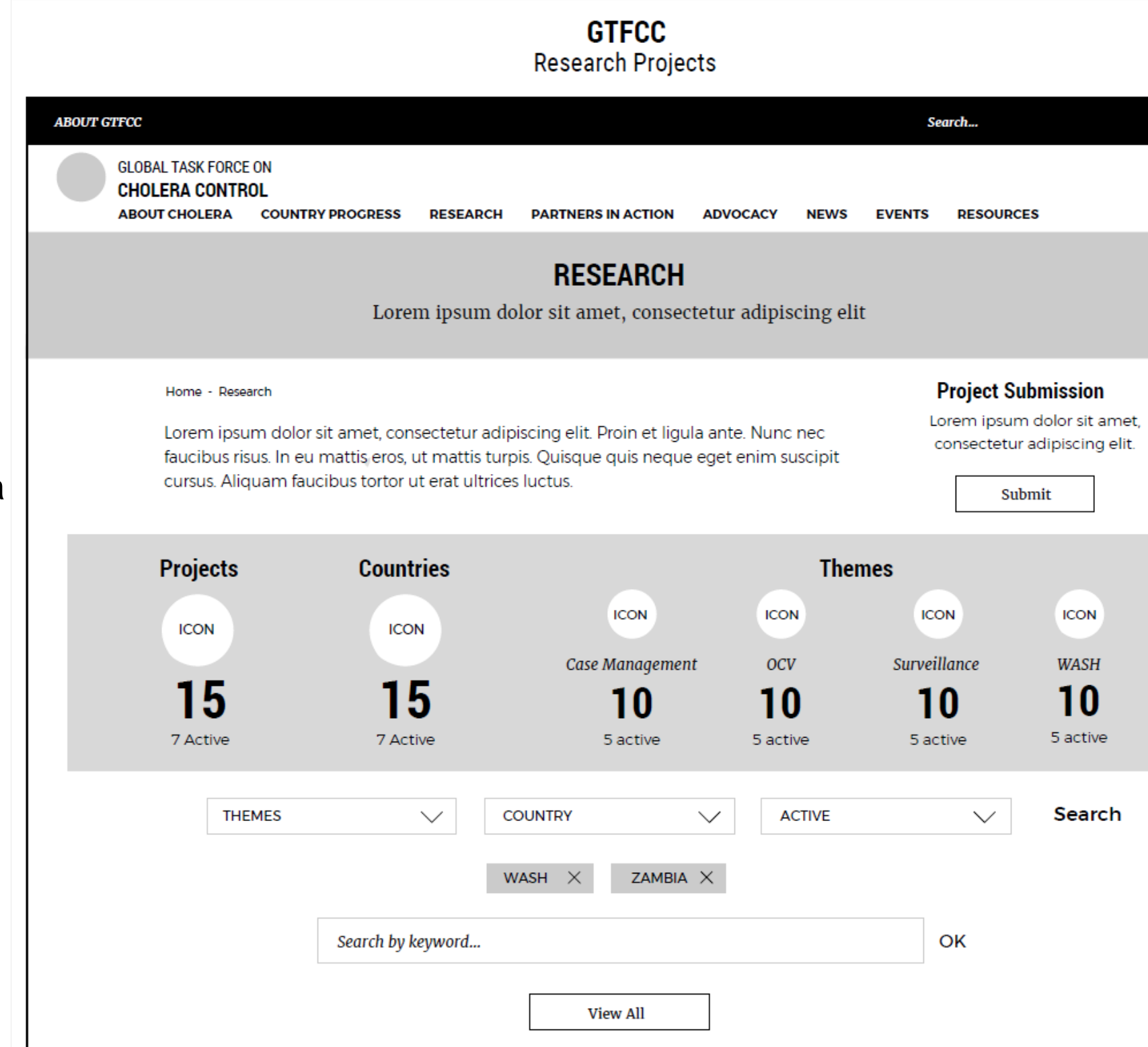
Research Tracker

- A need for greater global awareness and coordination of cholera research to identify:
 - complimentary projects and areas for potential collaboration
 - gaps in knowledge or funding
- Will assist with monitoring progress against the Research Agenda

Aim: collect information on cholera research projects and display on user-friendly, interactive map via Research Section on GTFCC website

Ask to the GTFCC working groups and partners:

1. Contribute research project information during the development of the Research Tracker:
2. Launch of the Research Tracker
 - Researchers and investigators submit projects directly on the GTFCC website



- ❖ Researchers will not be asked to share data, results or amounts of funding
- ❖ Only projects which have already received funding will be included



Thank you

For more information please contact:

Elizabeth Klemm: e.Klemm@wellcome.org

Helen Groves h.groves@wellcome.org