



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

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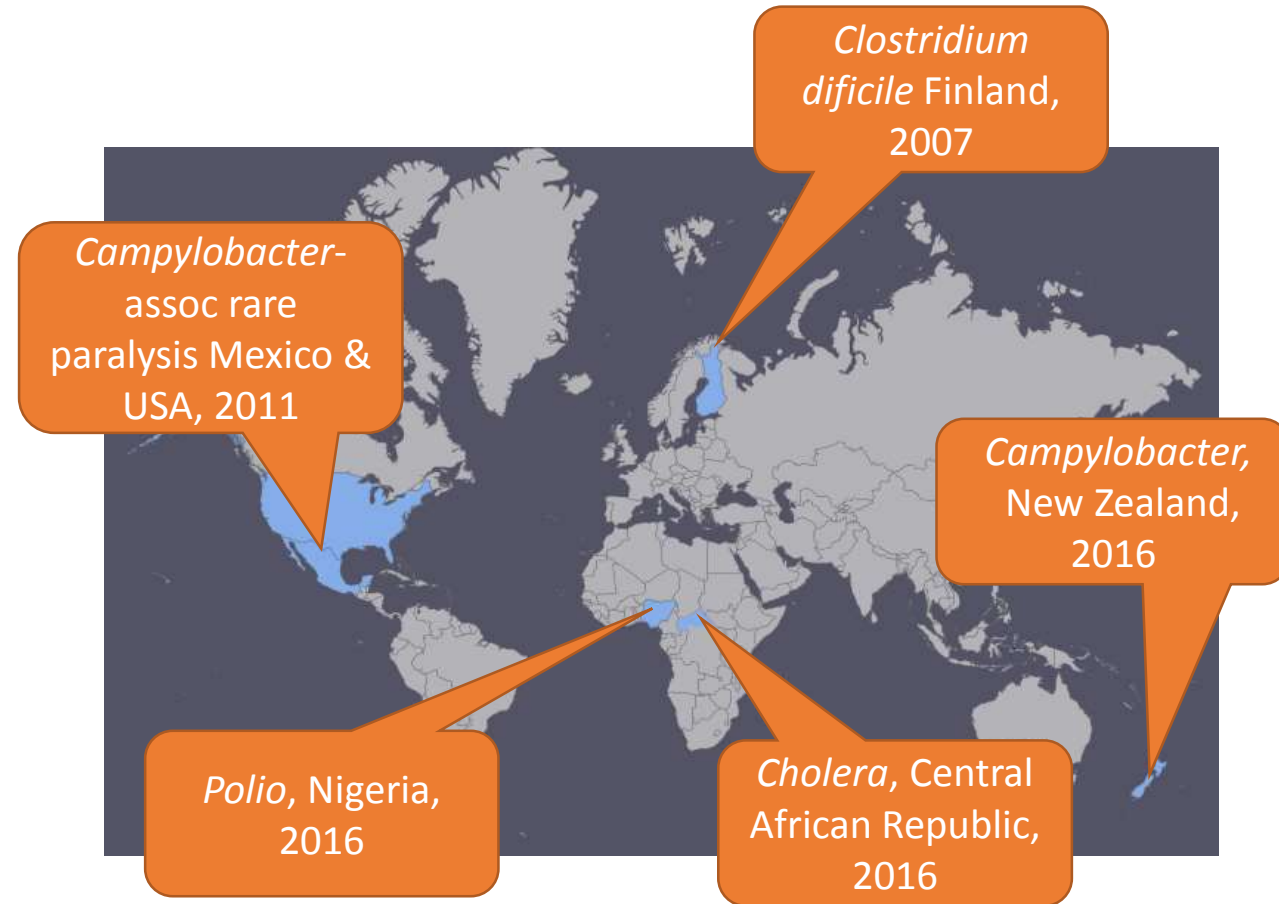
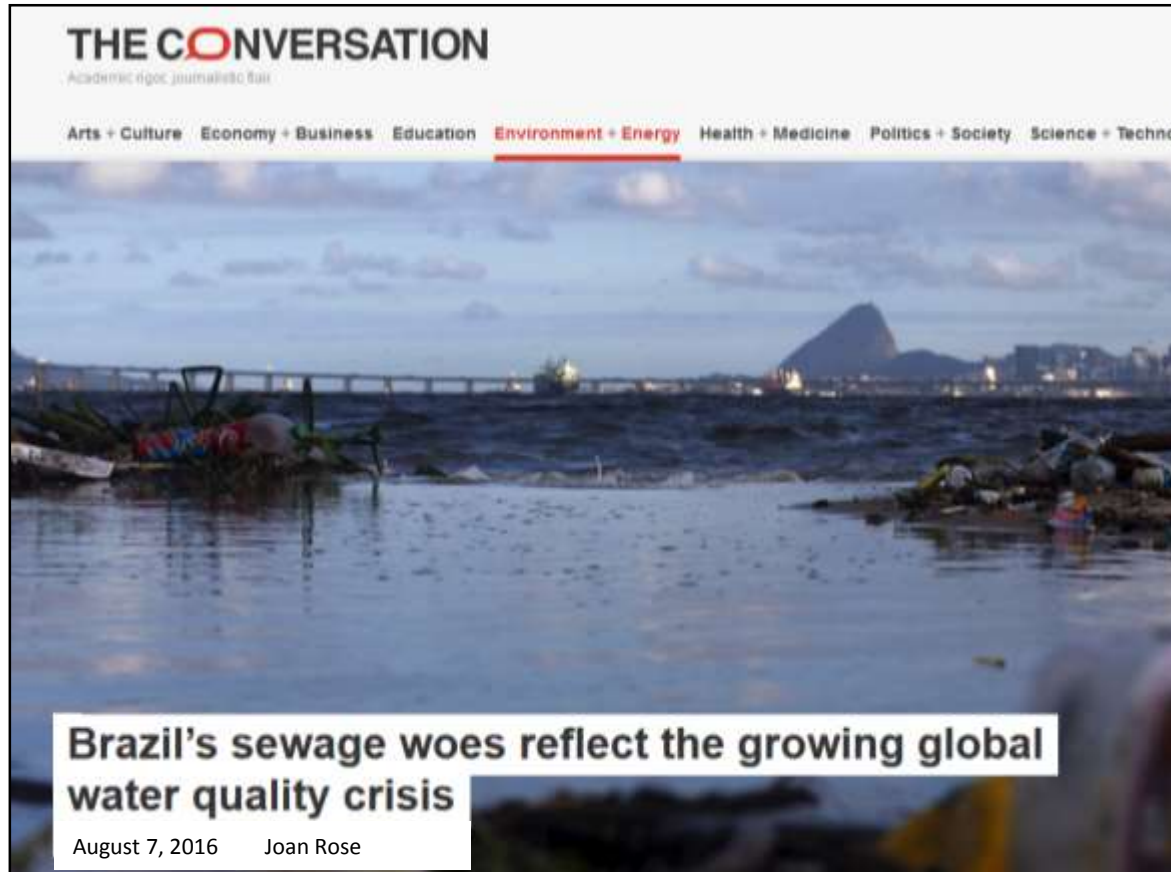


Water for Sustainable Growth

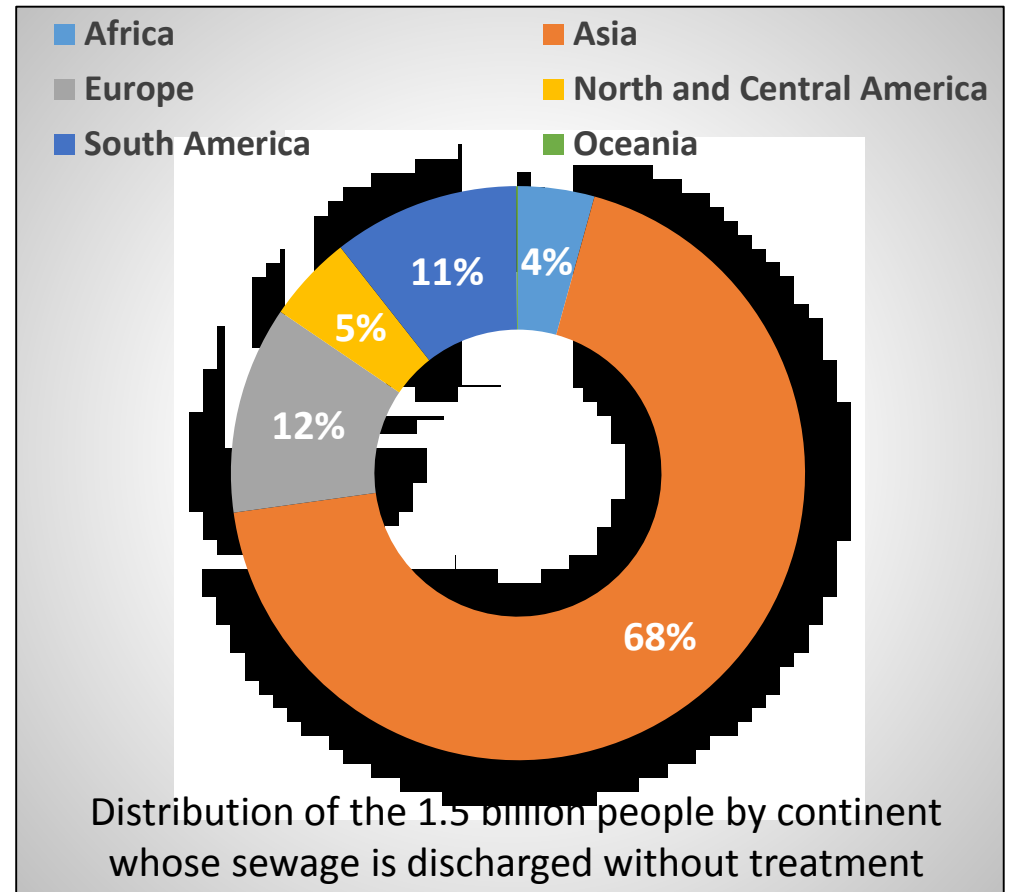
Dr. Joan B. Rose

**MICHIGAN STATE
UNIVERSITY**

Old & new pathogens threaten human health around the world



Billions lack effective sewage treatment



Global Water Pathogen Project: Passionate science moving to action

www.waterpathogens.org

GWPP
Global Water Pathogen Project

SANITATION & HEALTH: THEORY AND CONTROL | INDICATOR & PATHOGEN RESOURCES | RISK & MANAGEMENT | ABOUT

BOOK CONTENTS | BIBLIOGRAPHY | GLOSSARY | NEWSLETTER

Achieving the Water & Sanitation SDG: Role of the Global Water...

10th Africa Water Week - Wastewater-related diseases, risks and...

Africa Water Week

GWPP on Twitter

About GWPP
The GWPP mission is to be a knowledge resource and hub on water pathogens which will guide the goals for sanitation and achieving safe water around the world using the power of new information technology and tools. [Read more...](#)

Science Links
GAHI

Events

- 28 August Stockholm World Water Week
- 11 September 12th Annual Meeting of the International Water Resource Economics Consortium (IWREC)
- 13 September 5th Food and Environmental Virology Conference
- 9 October 6th International Calicivirus Conference

All events: Our Twitter feed

ChildrenWithoutWorms @CWOWDirector
How Worm Warriors Are Beating An Unbeatable Worm n pi2aGqwYZ via @NPR #NPRWormWeek

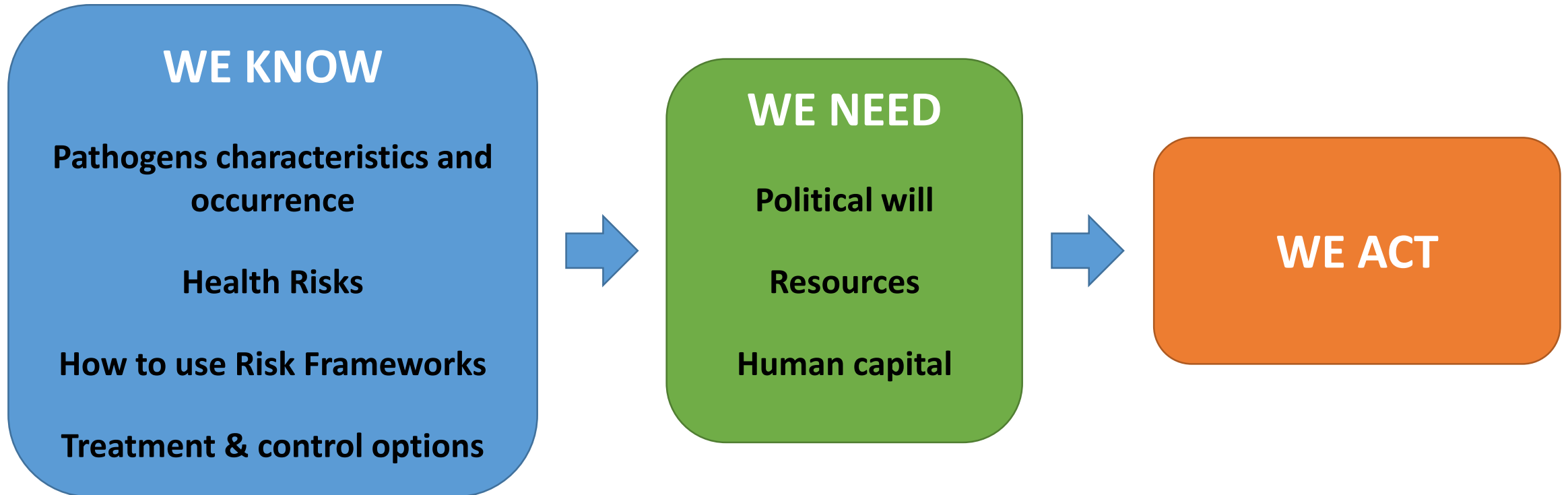
www.waterpathogens.org

The GWPP mission is to be a knowledge resource and hub on water pathogens which will guide the goals for sanitation and achieving safe water around the world using the power of new information technology and tools.



GWPP
Global Water Pathogen Project

We have the knowledge to act

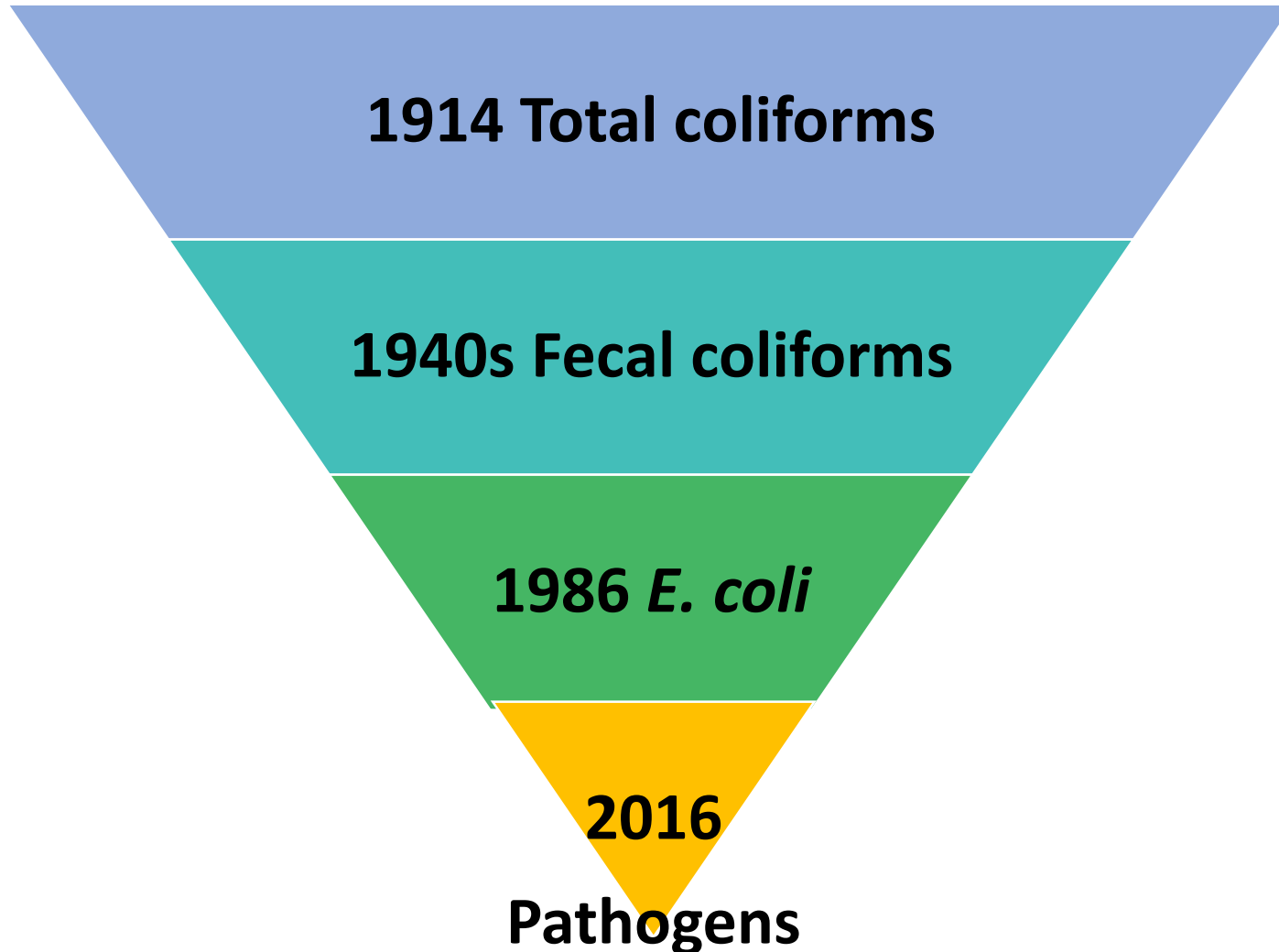


Moving from questions to answers

- New DNA technology enables us to answer key questions:
 - Is the fecal contamination coming from human or animal sources?
 - What are the hazards and risks?
 - How do we control pathogens and manage risk?

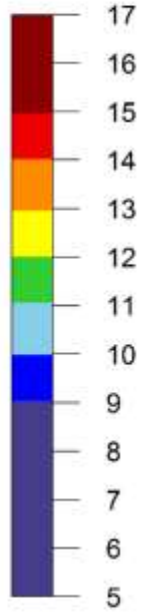
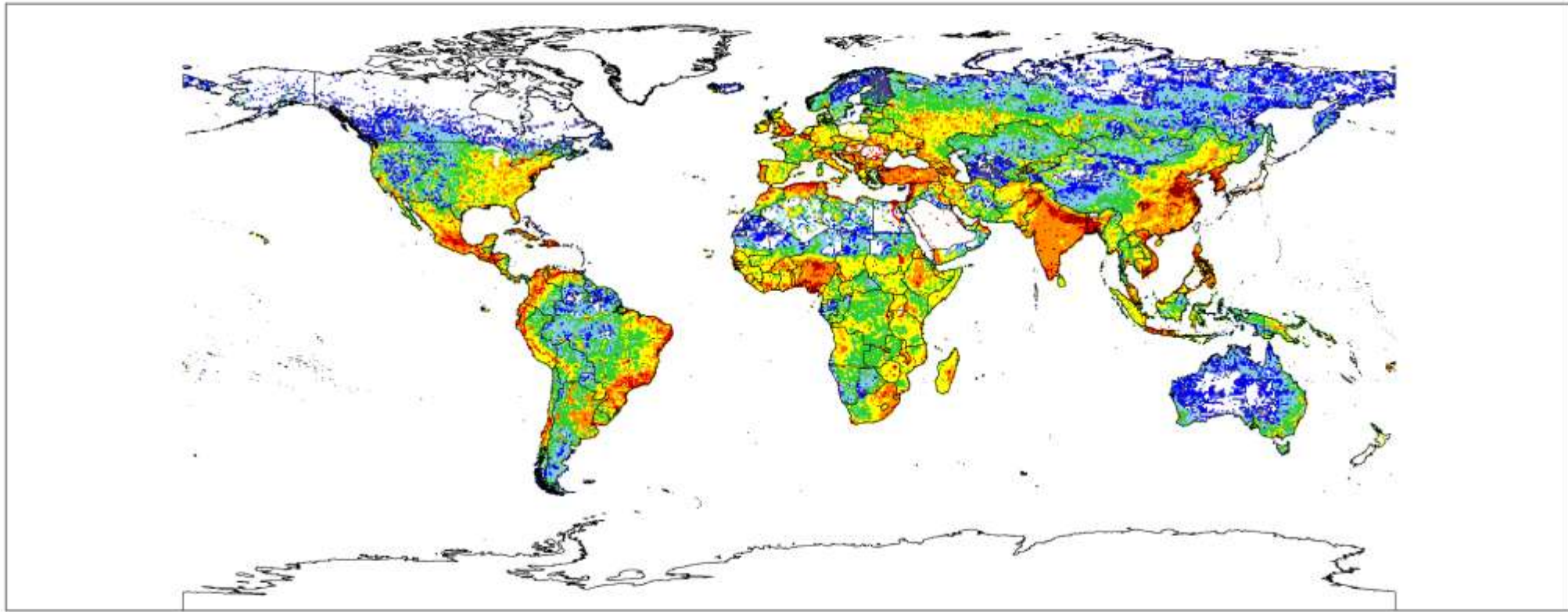


GWPP links new technology and science



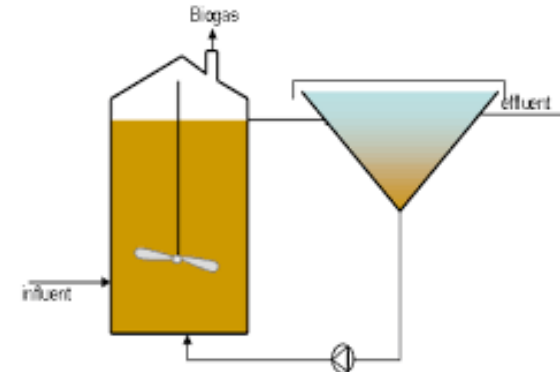
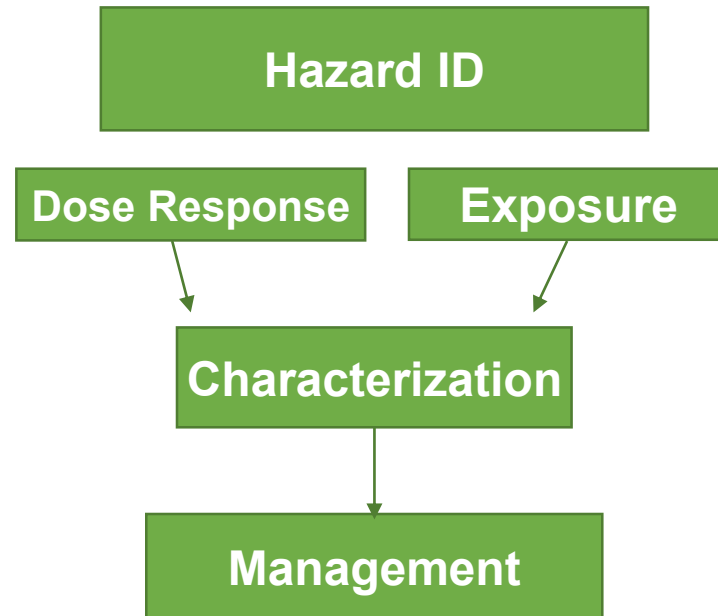
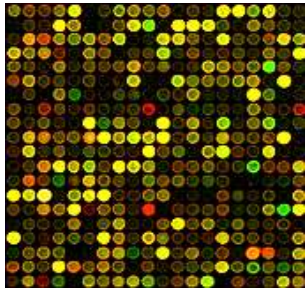
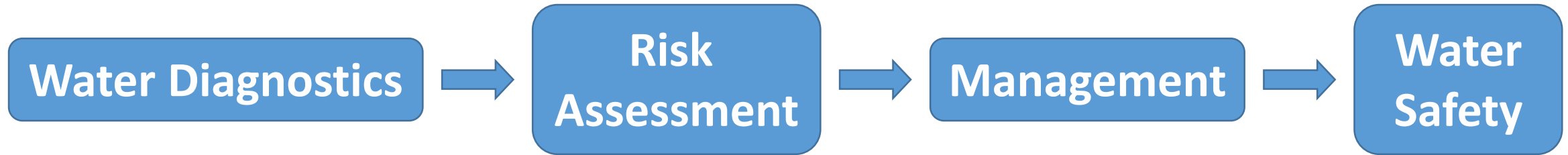
***E.coli* no longer adequate**

GWPP uses Water Diagnostics to advance decision-making



Rotavirus emissions (log10 viral particles / grid / year)

GWPP advocates Microbial Risk Assessment



GWPP contributes to productive wastewater management in Africa



“The GWPP is a very important project that will help my country improve wastewater management systems as well as raise the knowledge among practitioners on sanitation issues in my country”

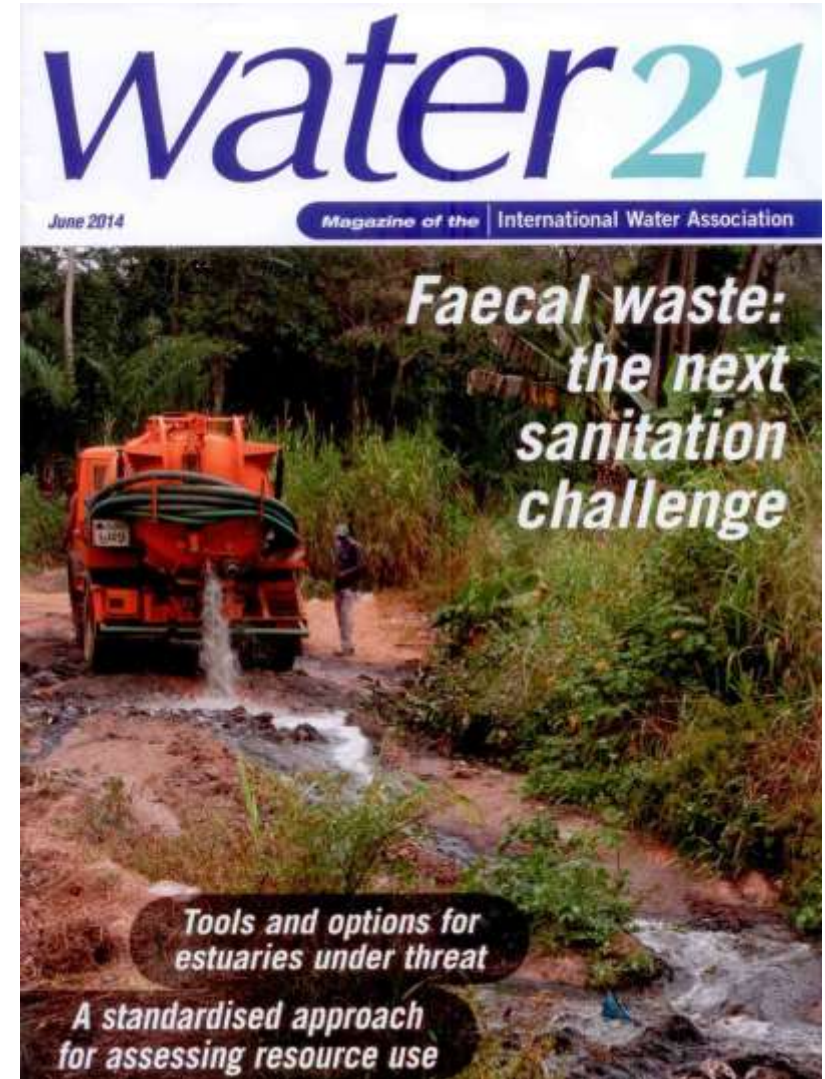
-GWPP User Survey Response



Investing in water diagnostics and sewage treatment has multiple benefits



The challenges remain...



The GWPP is ready to work with you.



An aerial photograph of a large body of water, likely a lake or reservoir, with a semi-transparent map of the state of Michigan overlaid on it. The map is centered over the water. The text "Thank you!" is prominently displayed in the center of the image.

Thank you!

Dr. Joan B. Rose

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