



Building a Knowledge Value Chain to Support Global Water Safety Part of the UNESCO Global Water Pathogen Project

Funded by the Axia Institute

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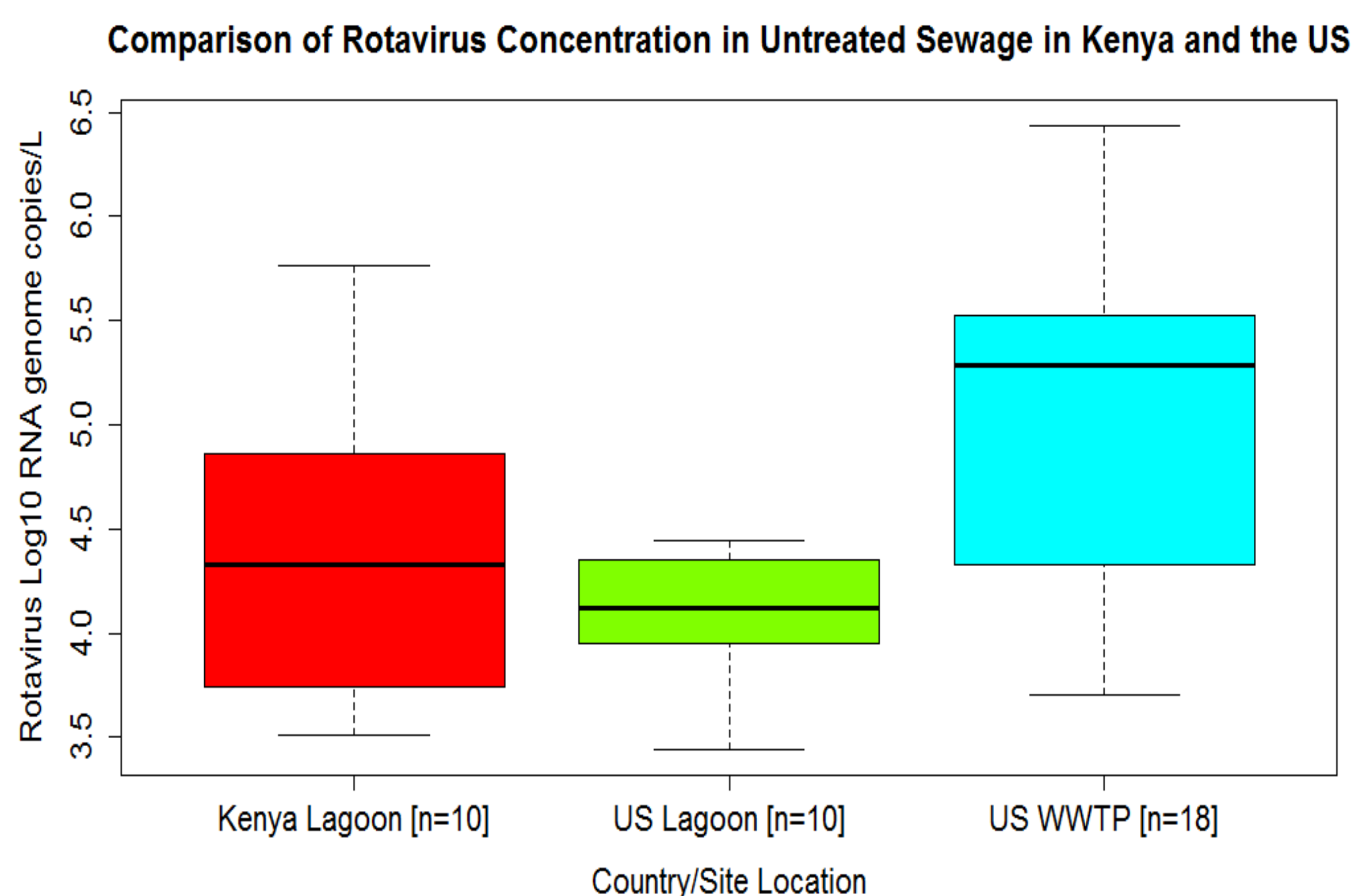
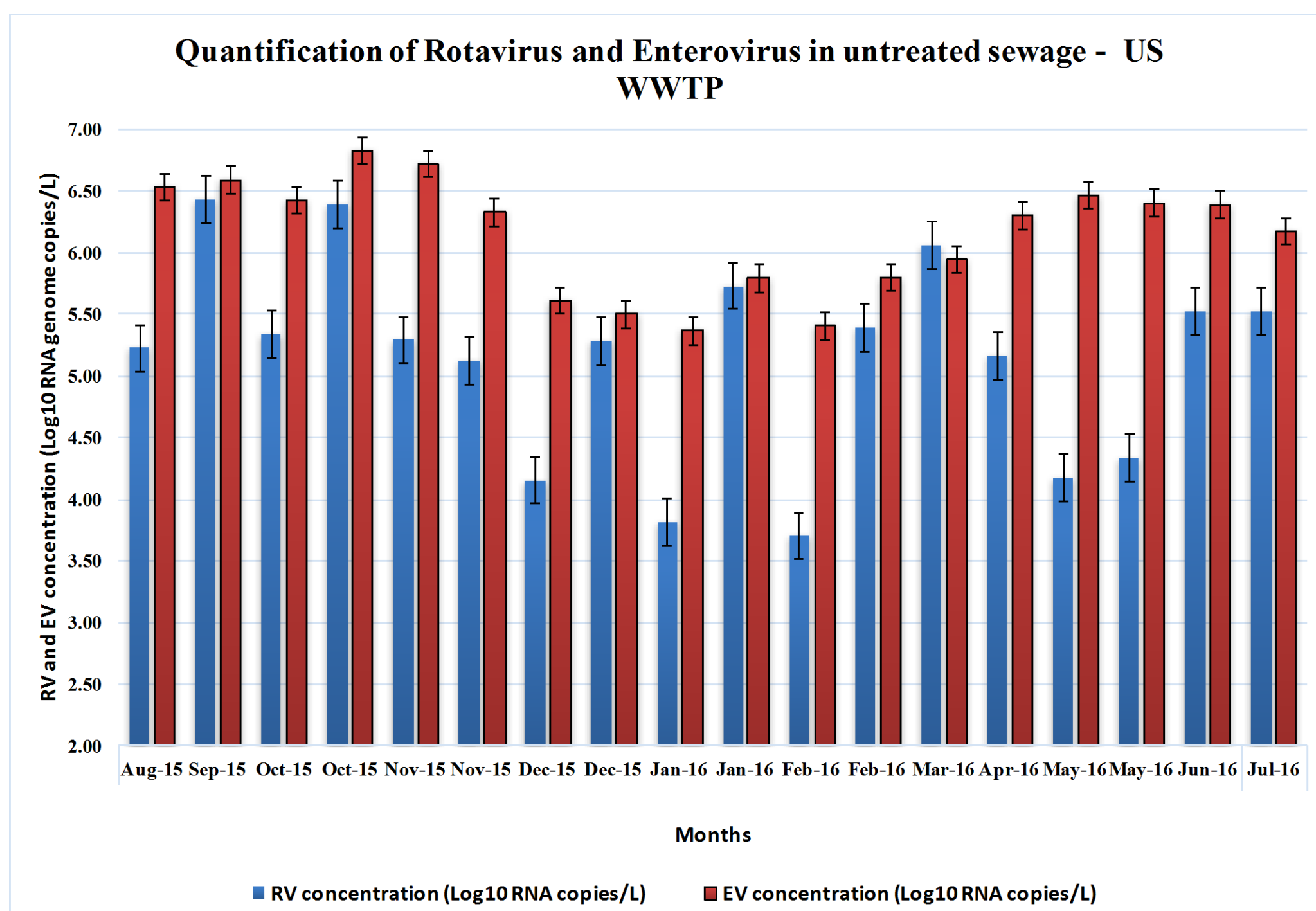
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Project Description

Project Goal and Objectives

- ⇒ Overall Objective is to develop a knowledge supply chain for safe water using advanced information technology.
- ⇒ **The GWPP will:**
 - Provide an updated review of the efficacy of sanitation technologies and serve as a compendium of waterborne pathogen information and quantitative data that support risk assessment to protect water safety
 - Update the key global resource for sanitation and safe drinking water (Feachem et al., 1983); provide information on global pathogen occurrence and persistence in water
 - Interface with UNESCO's goal for production and dissemination of a new edition of Sanitation and Disease: Health Aspects of Excreta and Wastewater Management (Feachem et al. 1983)
- ⇒ **The knowledge system is being developed for safe water to support global exposure assessments and enable evaluation of sanitation technologies for achieving health-based targets**

Quantification of Enteric Viruses in Kenya and US



Value Created

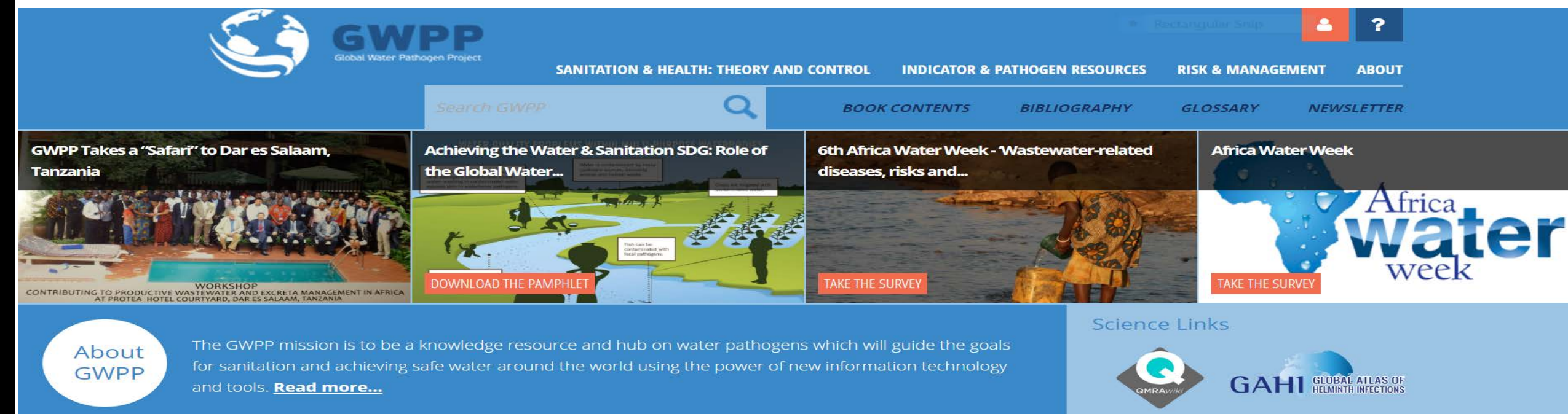
- Develop knowledge system for safe water to support global exposure assessments and enable evaluation of sanitation technologies for achieving health-based targets
- Provide evidence based quality data, and translating the scientific knowledge into socio-technical recommendations for safe water supply and sanitation
- Create knowledge for WHO to address policy and sanitation guidelines

Research Approach

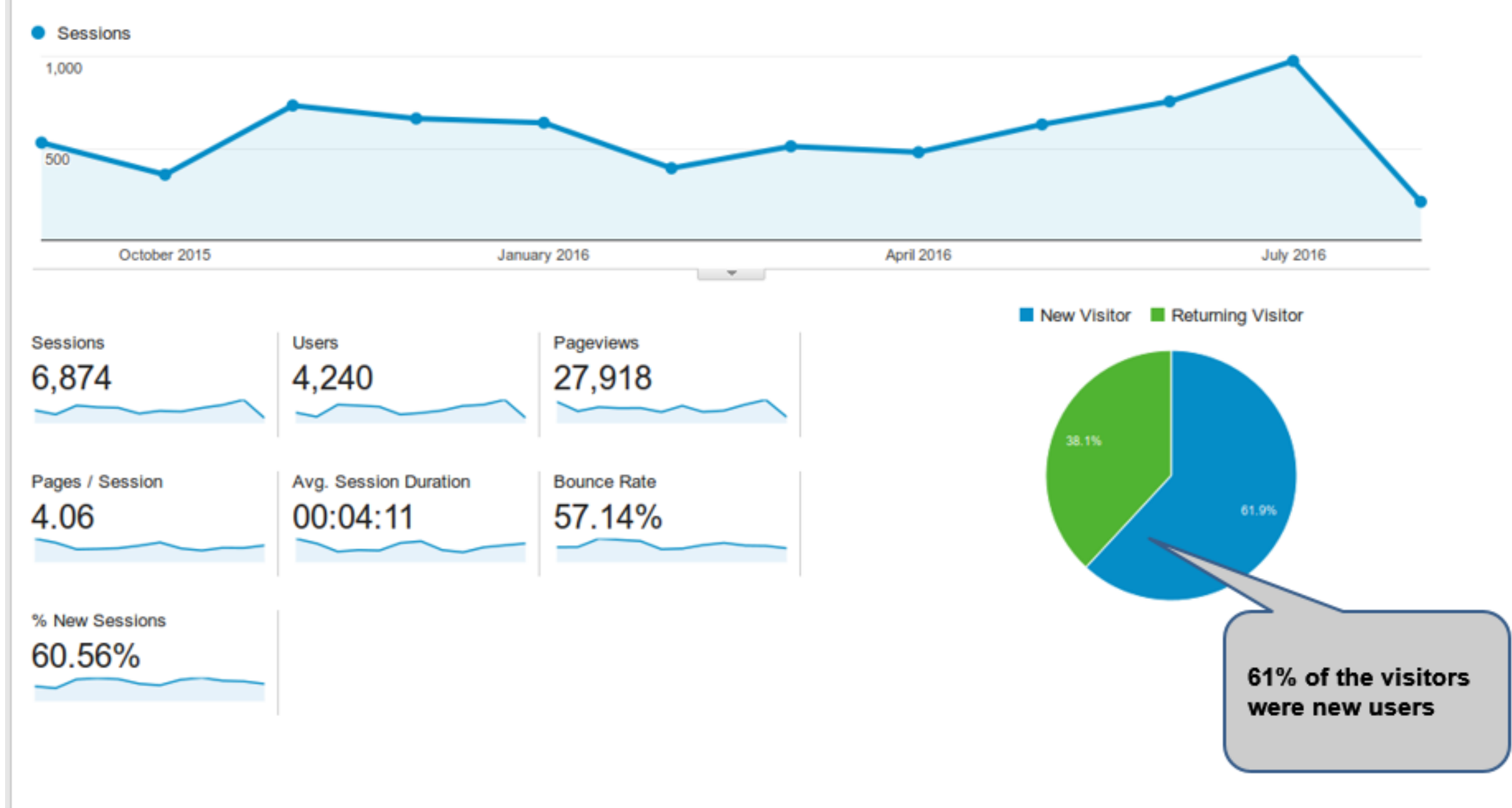
KEY ACCOMPLISHMENTS

A global water pathogen network has been established meeting the project timeline for chapter publications.

- The website: www.waterpathogens.org is easy to access by the global community



Website - total number of sessions



Contributing to Productive Wastewater Management in Africa

Dar es Salaam, Tanzania, 16-19 July 2016

GWPP Africa Water Week Results

- ❖ Diverse set of 96 Participants:
 - Researcher Scientists
 - Public Health Professionals
 - Academia
 - Government
 - Water Utilities
 - Consulting Engineers
- ❖ 3 African Countries
- ❖ 25/30 Regions of Tanzania
- ❖ >100 Participants on the Panel during AWW6

Project Timeline

