Global Youth-Led Action for Water

Youth for Water, the story of drinkPani in Nepal

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About 2.2 million people die from diarrhea each year, mostly in developing countries, with 90% of these deaths occurring in children under the age of 5.

Nepal - 44,000 children under the age of 5 die each year.

(Source: WHO, 2017)

Overview on proportion of the population using improved source and case of E.coli detection.

(Source: Guardian 2018)
Issues to Consider

- Data Scarcity
- Climate Risks
- Adequate Manpower
- Capacity Building
- Shaping Future
- Gender Perspectives

Questions?

Regulation in drinking water quality monitoring mechanism?

- Youth at the centre of drinking water quality monitoring initiatives? Does it support?

- Suitable Design? How about data accuracy-reliability and sustainability of the model?

- The knowledge of local women in this process?
Location Map - Case Study Area
Objective

“Intends to bridge the gap between water utilities & communities in information flow on water supply and quality with Youth as key actors & ICTs as the main tool to navigate the path to reach policy makers for evidence-informed decision making”

drinkPani: research based initiative
Methodological Approach

From supply system to decision making in a loop!
Our Mobile App & the Website

Water works in the first line of defense to drive healthy living & drinkPani believes in Shaping Digital Water Future!
Initial Version Flow Diagram
Some impression of field activities
A glimpse of initial findings

Variation of Water Quality Index in the Sisuwakhudi Area – Lekhnath Water Supply Scheme – one of the two selected water supply schemes of Pokhara Metropolitan City, Nepal

Graphs showing the temporal variation of PH, EC, FRC, Total Hardness and E-coli (CFU/100ml)
More impression of field activities
- Water Testing and Water Quality
Challenges & Way Forward!
Figure: Water Data Flow-Chain under Youth-Led Participatory Sensing (YPS) Model in progress developed by drinkPani 2020

YWVs – Young Water Volunteers at drinkPani Clubs in piloted schools, Pokhara Metropolitan City, Nepal

Collaboration Support to Link ground data collection to national mainstream data repository – NWASH-MIS
drinkPani Bootcamp III (Inception Workshop and Gamified Training for YWVs 2.0)  
11th and 12th September 2022.
Note of thanks and acknowledgements!
References


Dickinson, Nicolas and Kristof Bostoen. 2013. USING ICT FOR MONITORING RURAL WATER SERVICES : FROM DATA TO ACTION.


Any Questions?

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