SANPLAN: THE SANITATION PLANNING TOOL

LAUNCH WEBINAR

February 3, 2022
Background

WASHPaLS CLTS Performance Envelope (PE)

- The PE work found that context does matter for CLTS program success and sustainability but that highly-localized situational analyses are still necessary (no one size fits all!)

Rethinking Rural Sanitation Guidance (RRSG)

- The RRSG is a comprehensive set of resources on how to design, cost, and implement programs for rural sanitation, authored by WaterAid, UNICEF, and Plan International (published in 2019).
- As a step in the RRSG, followers categorize their community into a typology: rural remote, rural on-road, or rural mixed to help determine an appropriate intervention.
  - Categorizing community by community could require significant primary data collection.

How might we leverage existing datasets for analysis at-scale?
Enter SanPlan: The Sanitation Planning Tool

- SanPlan gives sanitation practitioners the power to make decisions about their programs by allowing them to explore **highly-localized, contextual, spatial data without GIS expertise**.
- SanPlan includes a unique, multi-country map layer to designate all areas within a country into 1 of 4 typologies indicating accessibility and remoteness (aligned with Rethinking Rural Sanitation Guidance).
  - Rural remote
  - Rural on-road
  - Rural mixed
  - Urban
SanPlan aligns contextual datasets and allows for multi-variable location targeting.

Users can explore the following datasets down to the 5km pixel-level:

**Accessibility**
- Rural typology
- Travel time to cities
- Distance to roadways
- Distance to towns

**WASH**
- Population practicing open defecation
- Reliance on unimproved sanitation
- Reliance on unimproved water

**Socio**
- Population estimate
- Men’s/women’s educational attainment

**Health**
- Annual diarrhea incidence in children <5
- Under 5 mortality
- Predicted annual cholera incidence
SanPlan has five primary analysis features.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>1km Rural Typology Classification</td>
<td>Areas categorized as urban, rural mixed, on-road, &amp; remote</td>
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<tr>
<td>5km area pixel level contextual analysis</td>
<td>Multi-variable filtering with user-inputted criteria</td>
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<tr>
<td>Administrative-level contextual analysis</td>
<td>Multi-variable filtering with user-inputted criteria</td>
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<td>User-added community situating</td>
<td>Visualize project communities and extract data at locations</td>
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<td>Estimated settlement mapping (Beta)</td>
<td>Locate and extract data for probable community boundaries</td>
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**Use Case:** Facilitating Rethinking Rural Sanitation Guidance with local government staff

Sokha Mok | Program Manager, WaterAid Cambodia

**Sokha’s role:**
- Working with systems strengthening at the provincial- and district-levels
- Improve coordination and programming of local governments (planning and monitoring of ODF commitments and progress)

**Use case preface:**
- WaterAid, a co-author of the RRSG, is using the guidance while working with local governments to roll out rural sanitation programs.
- WaterAid is now rolling out projects in, Niger, Rwanda, Cambodia, and Nigeria, working with local governments to survey each community (via mWater) to calculate the appropriate rural typology.
- They use the rural typology information, along with information on challenging contexts (e.g. flood burden) and sanitation access in their decision-making process.
Use Case: Formative assessment for funder’s RFP

Nicole Helme | Senior Monitoring, Evaluation & Learning Specialist, Global Communities

Nicole’s role:
• Providing monitoring & evaluation technical assistance to the WASH portfolio of projects
• Helping the team make data-driven decisions
• Formative assessments at the outset of programming to inform activities and approaches

Use case preface:
• Global Communities is preparing a technical response for a new grant aiming to improve WASH access in Ghana
• RFP priorities:
  – The geographic scope should include the USAID/Feed the Future zone of influence (17 districts in 4 regions)
  – Interventions should target poor, densely populated areas with growing populations
• Global Communities also prioritizes areas with high need:
  – Low levels of sanitation access and use
  – Low levels of safe drinking water access
CHECK IT OUT!
www.SanPlan.app

WE WANT TO HEAR FROM YOU!

○ If you are interested in using the tool for your own programming and would like extra support!

○ If you find a bug!

○ If you used it on your own and are willing to provide feedback!

○ If you would like to see an additional country supported!

support@sanplan.app