How WPDx Improves Rural Water Services

1. Governments and their partners are already collecting massive amounts of data. It is currently too fragmented to use, with different approaches for data collection and storage. Given the challenges in accessing and using data, it is typically only used for reporting.

2. All stakeholders can easily use the WPDx data standard to harmonize their existing data structure. Formatting existing data into the WPDx data standard typically takes about five minutes. The WPDx standard fits most water point data, even if it was collected with no knowledge of the standard.

3. After formatting, the file is simply published to the WPDx platform. The WPDx platform automatically removes duplicate entries, links multiple updates to the same water point, and integrates the data into the global data repository to provide easy access to data. All data is now harmonized and integrated.

4. Decision support tools access data from the global repository and automatically carry out advanced GIS and machine learning analysis on the fly. Designed in partnership with governments and data scientists, these tools provide concrete insights, like which waterpoint to send a technician to rehabilitate next to reach the most people. As governments begin to see benefits from using data on a regular basis, they will have an incentive to continue to invest in data collection, harmonization, and use.