Illustrative WPdx Achievements

Data Sharing:

- WPdx has successfully created the **world's largest inventory** of rural water services, with almost 600,000 water point records harmonized in a single table.
- WPdx has made **all data available in a machine-readable open-source format**, providing unprecedented access to water point data. In many cases, WPdx made this data public for the first time.
- WPdx provides public access to **data from more than 50 countries**.
- **Dozens of organizations**, including governments, INGOs, local organizations, universities, and private sector stakeholders, have contributed data to WPdx.

Data Use:

- The WPdx platform provides simple access to the raw WPdx dataset. While users can access the data directly, many users complete a brief form to share information about how they are using WPdx. The information below comes from the web form.
    - **Over 1,200 unique users** have accessed WPdx data through the web-form. Many others may have accessed data directly.
    - Stakeholders in **more than 100 countries** have used WPdx data.
    - WPdx users have reported a **wide range of use cases**. Uses have included understanding the existing landscape prior to making an investment, developing advocacy tools, connecting WPdx data with other data sources, carrying out research, supporting USAID projects, UNICEF evaluations, strategy development, and coordination with other actors, among many others.
- Governments (and their partners) have begun using data to optimize the key decisions that impact SDG progress. Working directly with governments, WPdx developed four tools that allow governments to use data more efficiently than ever before. Prior to these tools, most governments were simply summarizing the data they had. These tools are fundamentally different, bringing in external data and advanced analytics to turn data into immediately actionable insights. WPdx provides **the only tools available that allow governments to immediately make the following decisions**:
    - Of all of the water points in this district, which ones are both most likely to break and would impact the most people if they stopped working?
    - Among all of the broken water points in this district, which one could be repaired to provide access to the greatest number of people that do not currently have access to a basic source?

- o Out of all of the possible locations where a new water point could be installed, which location would provide water access to the greatest number of people that are currently unserved.
  - o Based on how many people (and what percent) in each district live within 1km of a functioning water point, how should the national budget be allocated among districts?
- WPdx tools were developed in partnership with governments and leading data science organizations including **Microsoft, ESRI, Mastercard, UC Berkeley, and DataRobot**.
- WPdx provides a foundation for research in the sector. **More than 10 published research articles have referenced WPdx data** in looking at everything from understanding causes of water point failure to exploring rural water policy.
- WPdx provides an essential platform for practitioners in the water sector. **WPdx is routinely cited** in RWSN materials, World Bank reports, and diverse conference proceedings.

Government Support:

- WPdx has seen the greatest successful in Sierra Leone, due to dedicated funding from Coca-Cola that allowed WPdx to collaborate with the Ministry of Water Resources. Success included:
  - o The Ministry of Water Resources **implemented a national policy** requiring the use of WPdx tools in routine decision-making processes.
  - o The Minister launched a digital monitoring strategy calling for all partners to **collect data that aligns with the WPdx data exchange standard**.
  - o District officials have taken the lead on encouraging NGOs in their districts to share data with WPdx, developing the **most comprehensive district inventories** of rural water services that have ever existed.
  - o The Ministry of Water Resources used WPdx tools to **develop recommendations for the Ministry of Finance** as they developed district water budgets.
  - o Three districts **used WPdx decision support tools for their annual workplan process**, including determining locations for rehabilitation and repair.

  With the resources requested in this concept note, these successes can be scaled to other countries.
- WPdx has been **formally invited to provide trainings** by national governments in Uganda, Liberia, Sierra Leone, and Eswatini. Additional demand has been expressed by governments in Ghana and Ethiopia.
- Leadership from the Sierra Leone Ministry of Water Resources and the Liberia National WASH Commission have **participated on a USAID webinar** to discuss the ways in which they are planning to continue using WPdx to increase the use of data in those countries.
- Governments of Ethiopia, Uganda, Sierra Leone, and Liberia have all **provided written letters of support for WPdx**.