Inventory and Ideation - Assets & Opportunities Example

For guidance on using this tool: https://fl-rda.org/inventory-and-ideation/

STEP 1: Individual Assets and Resources Inventory
What expertise, skills, connections, environments, and other resources does each person bring to this collaboration?

Name	Assets and Resources Bringing to Collaboration
Pavle	- University facilities (specialized labs) - Data science, machine learning - Partnership with a local environmental non-profit
Indy	- Bioinformatics - Connection to local, diverse stakeholder network (non-academics) - Adjacent to the Bay
Taddeo	- Equipment (sensors, boats, servers) - Experience accessing and using large national datasets - Teach large undergraduate research courses

STEP 2: Ideation around Collective Opportunities
If some of the assets and resources from two or more people were joined, what potential project could be enabled?

Project Ideas
1. Leverage large national datasets for historical data and use data collection capacity of large undergraduate research courses to collect water quality indicators from various water sources, including the Bay, before and after major storm events. Use of the high computational power of machine learning will facilitate processing of the large dataset.
2. Develop new undergraduate research courses focused on the impact of major storm events on local bodies of water as well as the downstream impacts on ecosystems, agriculture, and human health. Can leverage freely-accessible national datasets, analyze new water samples from local sources, and learn new data science techniques for large-scale analysis.

Additional rows can be added to the above tables to accommodate more team members or additional project ideas.