Health, Environment and Well-being Project
Danda Ecological Monitoring Program (DEMP), Siddharthanagar (Nepal)
Enhancing Urban Resiliency Through Citizen Science

Evidence Matters: Problem-driven research, research-driven solutions

Data Science

MONITORING:
- **Air Quality**
- **Water Quality**
- **Weather**
- **River Stage (depth)**
- **Aquatic Flora & Fauna**
- **Groundwater Level**
- **Groundwater Arsenic etc.**

Environmental Design Projects

- **Danda River Bio-museum**
- **Innovations in Agro-science, Permaculture, Waste Management & Recycling Technologies to enhance livelihood**
- **Citizen Science Toolkits**
  (Environmental Dashboard, Environmental Alert System, Harnessing Citizen Knowledge through Crowdsourcing, Environmental Props]
- **Constructed Wetland Filtration System**
- **Urban Wildlife Refuge & Bird Sanctuary Designs etc.**

Education & Awareness

- **WASHPlus in Schools**
- **Project Green Schools: Promoting Environmental Curriculum, Waste Management & Awareness Programs**
- **Community Health & Environmental Stewardship**
- **Student Eco-clubs Network etc.**
- **Community Learning Center & Innovation Lab**

Public Policy

- **Riparian Green Belt Zoning**
- **Open Space**
- **Wildlife Protection**
- **Anti Dumping Law**
- **Pollution Control Measures**
- **Waste Management**
- **Water Conservation etc.**

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