



Data Portal – Decision Support System

Sector: Climate Change Adaptation Industry

Service: Software Development & Consulting

Resources: 2000+

User Base: 7000+

Background

Zurich Flood Resilience Alliance is a multi-sectoral partnership of Practical Action that focuses on finding practical ways to support communities to cope up and recover from flood risk. The information related to floods was very scattered and it was very hard to gather flood information and track the flood events. This created a requirement of a cost-effective centralized repository system for sharing practical knowledge. The centralized repository system was used to gather and share comprehensive information, including the reasons and methods for enhancing community flood resilience, and resources from other entities and researchers engaged in flood resilience efforts.



Simplified Solutions innovative approach to develop our data portal has centralized our information. Made it cost-effective, and added valuable features, enhancing our IT services.

Practical Action



HOW DID WE HELP?

We developed a knowledge portal using DSpace, a widely recognized opensource platform used by universities and research institutions to serve as a foundation for a centralized repository. To enhance DSpace capabilities, we seamlessly integrated this system with WordPress on the frontend and created various structures for categorization of information and events. Through this integration, we became successful to store scattered information about flood risk and resilience and make the portal cost-effective. We also added valuable features like newsletter with updates on the latest news and events, interactive maps, an extensive case study library for events, and research findings that have contributed to flood resilience portal, and a blog and forum for open discussion and collaboration.

By utilizing DSpace in the backend and WordPress in the frontend, we not only became successful to strengthen the core of the portal with various features and functionalities but also ensured it serves its purpose effectively.



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