

PROJECT DESCRIPTION

Nepal faces major disaster risk management challenges due to isolated efforts, poor coordination, & ineffective communication strategies, leaving vulnerable households without timely risk information. The “ACT FIRST” project by NAXA Pvt. Ltd. and partners IHRR, DCA Nepal, and Viamo Nepal targets enhancing anticipatory actions for 10,000 households in Nepal's Mahakali basin. It will expand the DASTAA platform, focusing on specific wards in Bheemdatt and Dodhara-Chandani Municipalities.



DODHARA CHANDANI MUNICIPALITY & BHEEMDATT MUNICIPALITY

PROJECT BENEFICIARIES
IN BHEEMDATT

35,561

PROJECT BENEFICIARIES IN BHEEMDATT MUNICIPALITY

6,906
Households

343
People with Disability

1,811
Social Security Plan

472
Chronic Illness

2,983
Children Under 5

2,876
Senior Citizens

142
Pregnant Women

1,137
Breastfeeding Women

PROJECT BENEFICIARIES
IN DODHARA CHANDANI

21,640

PROJECT BENEFICIARIES IN DODHARA CHANDANI MUNICIPALITY

4,463
Households

384
People with Disability

1,301
Social Security Plan

347
Chronic Illness

1,615
Children Under 5

1,386
Senior Citizens

105
Pregnant Women

819
Breastfeeding Women

PROJECT IMPACT

Supporting Four Pillars of
People-Centered Early Warnings for All

DISASTER RISK KNOWLEDGE

- 11,370 risk profiles generated.
- Supported relevant stakeholders in designing targeted Disaster Risk Reduction/Management Programs.
- 12,609 vulnerable populations identified and shared with the local governments ahead of disasters.
- 294 capacity and resources mapped.

WARNING DISSEMINATION & COMMUNICATION

- 41,495 SMS with customized early warnings and early action information sent.
- Easy access to forecasts and near real-time observations provided through DASTAA mobile app.
- 1,27,677 Interactive Voice Response (IVR) sent.

DETECTION, OBSERVATION, MONITORING, ANALYSIS, AND FORECASTING

- Supported DHM and Local government in strengthening Impact Based Forecasting.

PREPAREDNESS AND RESPONSE CAPABILITIES

- 11,370 Household Level Disaster Risk Management Plans (HDRMPs) generated and disseminated.
- 14 trainings and workshops conducted and capacitated 266 people, 79 local government officials for proactive disaster management.



Main narrative

PROBLEMS

- Response-Focused Rather Than Preparedness-Based Approaches:** Disaster management in low-income, highly-vulnerable countries often focuses on post-disaster response rather than proactive preparedness.
- Lack of Data-Driven Disaster Management:** Current disaster risk reduction strategies frequently lack robust data, hindering effective anticipation and mitigation of disaster impacts.
- Community-Wide Blanket Approaches:** Community-wide risk assessments often overlook the specific needs and vulnerabilities of individual households, increasing their risk.
- Lack of Household-Level Vulnerability Computation:** Risk communication strategies are usually inadequate, leaving households without timely access to crucial risk, weather and early preparedness and action information.
- Inadequate Early Warning Systems and Anticipatory Actions:** Disaster management activities are typically carried out in silos, lacking coordination.

ACTIVITIES

- Generate risk, vulnerability and exposure profiles of households.
- Integrate real-time and forecasted weather information and develop targeted early action messages in consultation with local stakeholders and Department of Hydrology and Meteorology (DHM)
- Dispatch the early warnings & early action messages through IVR, SMS & push-notifications.
- Sensitize local government and relevant stakeholders to design data driven disaster programs like early CVA support, among others.

OUTPUTS

- Enhanced Risk Awareness:** Households and communities gain clear understanding of their hazard exposures, vulnerabilities, and risks through digital and printed information.
- Improved Early Warnings:** Households receive timely, customized early warning messages and action recommendations, boosting preparedness for disaster events.
- Resource Allocation for Vulnerable Households:** The most at-risk households receive early access to critical resources for disaster preparation and impact mitigation.
- Capacity Building for Local Authorities:** Local governments and stakeholders are equipped to design and implement effective, data-driven disaster risk reduction and management programs.

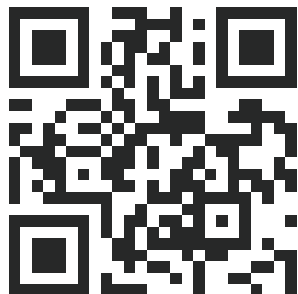
OUTCOMES

- Enhanced Disaster Preparedness** Households in flood-prone regions of Nepal and Bangladesh are equipped with improved preparedness measures, enabling them to anticipate and withstand disasters more effectively.
- Data-driven decision-making** Local governments, humanitarian agencies, and relevant stakeholders leverage DASTAA in designing better-targeted and inclusive Disaster Risk Reduction/Management Programs.
- Local Governments & Humanitarian agencies collaborate and implement better-targeted and inclusive DRRM programs.**

LONGTERM IMPACT

- Communities are more resilient in the face of climate related disasters.**
- Local governments and relevant stakeholders adopt a coordinated approach to design and implement targeted Disaster Risk Reduction and Management (DRRM) programs.**

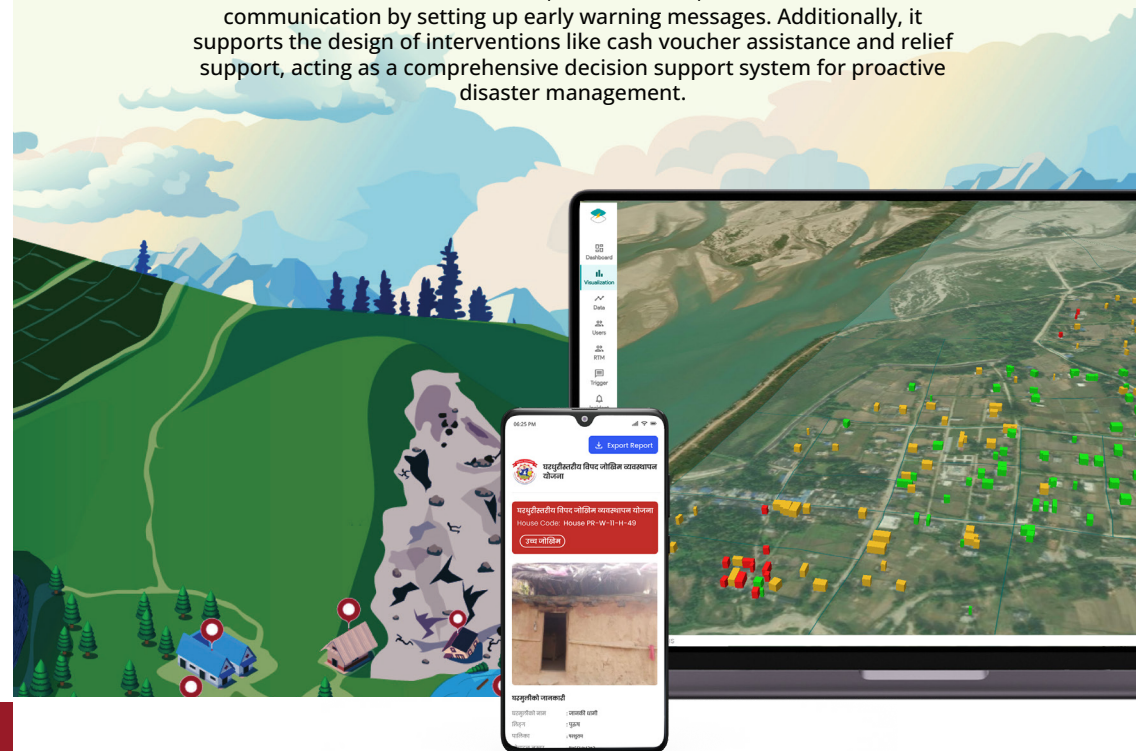
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DIGITAL AND SPATIAL TECHNOLOGIES FOR ANTICIPATORY ACTION

Digital and Spatial Technologies for Anticipatory Action (DASTAA) is an integrated digital platform designed to enhance disaster preparedness by leveraging digital and spatial technologies. It serves as a one-stop solution for integrated risk assessment, risk visualization, risk communication, and forecasting to support early action.

DASTAA includes both mobile and web applications. The mobile app allows organizations to conduct data collection surveys while providing citizens with real-time early warning messages, weather updates, and climate data. The web application enables users to manage and customize surveys, set criteria for risk assessments, visualize risks, and facilitate risk communication by setting up early warning messages. Additionally, it supports the design of interventions like cash voucher assistance and relief support, acting as a comprehensive decision support system for proactive disaster management.



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