

Geospatial Portal Prototype for Programmes in The Ministry of Development and Social Inclusion of Peru

A Triangular Cooperation Project

Background and Objective

This project seeks to provide technical support to the Peruvian Ministry of Development and Social Inclusion (MIDIS) for the development of a geoportal prototype. This tool will enable GIS (Geographic Information System) based planning, monitoring and evaluation of MIDIS' activities and social programmes for comprehensive analysis and evidence-based decision making. Currently, MIDIS does not have sufficient capacity for managing spatial data on its interventions throughout the country. Line directorates and social programmes under MIDIS require this tool to optimise their interventions, with an emphasis on territorial management and closing gaps in access to social services.

The Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), the public employment programme of the Ministry of Rural Development (MoRD), Government of India, has been using geospatial information and GIS technology for the past few years. Purposes include especially the planning, management and monitoring of development programmes in India. Their experience of using open-source data from government platforms of the National Remote Sensing Centre (NRSC) and other sources at a nationwide scale provides important lessons for enhancing transparency, accountability and better use of technical and financial resources. This triangular cooperation project proposal creates synergies by using India's comparative advantage as an emerging partner and is an opportunity to disseminate India's successful experiences and acquired capacities. Inter alia, it will strengthen India's presence and visibility as a country with greater responsibility in global affairs, especially in the international cooperation system.

Political Partners of the Triangular Cooperation Project



Ministry of External Affairs
Government of India



PERÚ Ministerio de Desarrollo
e Inclusión Social



Ministry of External Affairs (MEA), India; Ministry of development and Social Inclusion (MIDIS), Peru; Federal Ministry of Economic Cooperation and Development (BMZ), Germany

Implementing Partners of the Triangular Cooperation Project



PERÚ Ministerio de Desarrollo
e Inclusión Social

Ministry of Rural Development (MoRD), India; Ministry of development and Social Inclusion (MIDIS), Peru; Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Key Components

- Transfer GIS-based technology for planning, management and monitoring policy programmes from India to Peru.
- Build capacities by training national and sub-national programme staff in utilising the tool, and conduct of GIS-based information and processes. Develop knowledge products to support and sustain the capacity development process.

Current Status and Impact

A key kick-off technical discussion on the triangular cooperation project was held in Berlin in September 2022 which was attended by representatives from Peru and India to set up the course of action. From India, Mr NN Sinha, Secretary, MoRD and from Peru, Mr Walter Vlavidia, Director de la Dirección de Seguimiento, Ministry of Development and Social inclusion (MIDIS) attended the meetings along with GIZ teams from both countries. Secretary Mr Nagendra Nath Sinha, Ministry of Rural Development, presented the ministry's vision on South-South exchange on rural areas. Secretary MoRD presented the overview of the rural development programme in India and shared innovations, current challenges, learnings and key achievements of the programmes and missions.

The first virtual technical exchange was held on 17 January 2023 between MIDIS and MoRD, wherein a detailed operation plan and design elements of the prototype were discussed and finalised. Core technical team members (with a designated team leader) were nominated by MIDIS and MoRD for taking forward the regular technical exchange. This meeting was attended by Ms Fanny Montellanos, MIDIS Vice-Minister of Policies and Social Evaluation, key officials from MIDIS, MoRD and Indian Embassy in Peru as well as GIZ technical experts from both countries. The Vice Minister spoke about the strong developing partnership between the two countries through this specific cooperation and mentioned how crucial the portal was for her ministry and the country.

In order to support the development of the prototype, the second virtual technical exchange was held on 11 April 2023, in which MoRD officials presented the architectural design of India's Bhuvan portal and its application for planning, implementation and monitoring of MGNREGA programme to the MIDIS team. Subsequently, a set of technical queries were shared by MIDIS to MoRD to discuss which elements would be implemented. The queries raised by MIDIS to MoRD were addressed during the third virtual technical exchange held on 21st July 2023. The queries raised were in regards to administration of geoportal, spatial data management, system architecture (geoportal), and sustainability of services. Apart from technical exchange, four virtual training sessions were organised for the benefit of MIDIS by GIZ India covering the aspects of GIS based planning and monitoring of project areas. The current status update of the geoportal being developed by MIDIS was shared on 16th October 2023. This pertained update on the geographic features catalogue, geographic information management improvement processes, and geo-platform development (architecture) for geospatial prototype, along with the timeline for implementation, future virtual technical exchanges and need based trainings.

It is worth noting that despite a challenging time difference, language complexities for technical discussions (Spanish-English), the process has strong commitment from all three sides: MoRD, MIDIS and GIZ team which is backstopping these partners technically. As of now, the progress aligned with the mutually agreed roadmap in terms of key outputs and timelines is very satisfactory.