

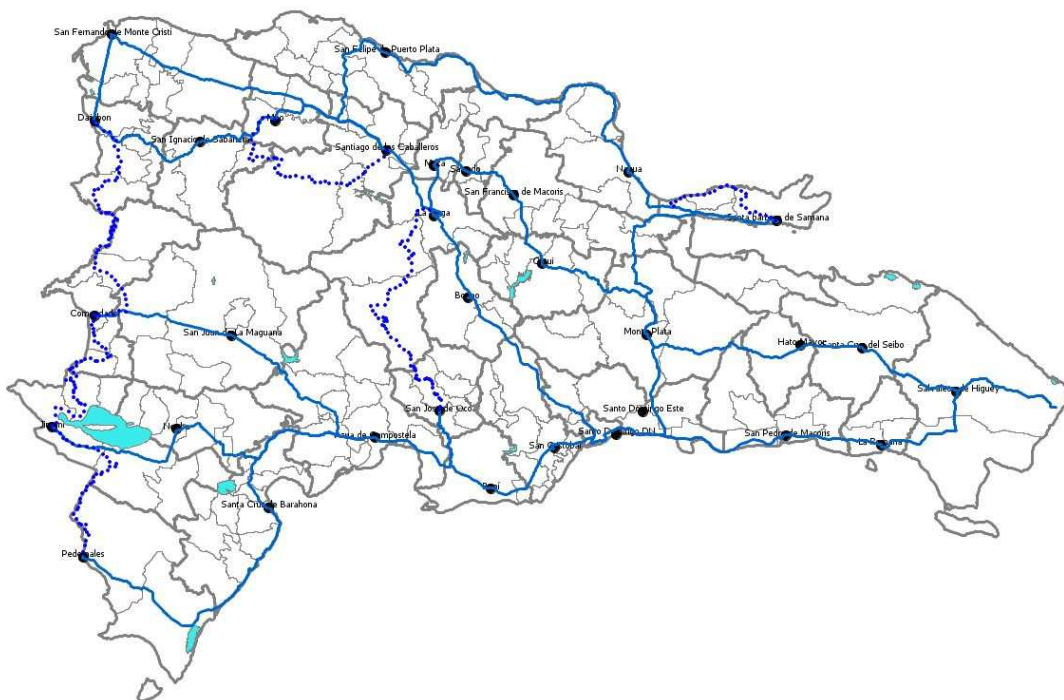
Feasibility study for the development of the Broadband Infrastructure in Dominican Republic and Haiti connection (CARCIP Program)

Summary of the services

The study aims to support INDOTEL in the design of an infrastructure project of broadband access based on fibre optic for the Dominican Republic, in order to provide coverage to all municipalities and all the municipal districts of the country, as well as the interconnection with Haiti.

For this purpose the following aspects are developed:

- Optical fibre broadband infrastructure feasibility study for Dominican Republic in the context of the CARCIP program, including options for the interconnection of optical fibre between Haiti and the Dominican Republic.
- Tender documents, including technical specifications for the tender of the fibre-optic project, in which two stages are considered.



For the elaboration of the feasibility study, IDOM performed various consulting services to perform the relevant analyses such as:

- Background of the telecom sector in Dominican Republic
- Contour analysis
- Characterization of the broadband offer the country (mapping of fibre infrastructures)
- Characterization of demand
- Technical design of the Dominican fibre backbone network

- Economic design (CAPEX and OPEX)
- Legal and operational design (including models, SWOT analysis,)
- Analysis of theoretical access solutions
- Haiti interconnection
- International interconnection (submarine cables)

Outcomes

- Study of feasibility for the development of the Broadband Infrastructure in Dominican Republic and Haiti interconnection
- Executive summary
- Tender documents (on going)

Main Challenges

The needs to take the situation of the telecommunications sector in a new country and to manage the stakeholders are among the main challenges faced.

At the same time, the existence of a main operator with significant market power meant an important risk to articulate any action aimed at boosting broadband through the revitalization of the sector.

Lessons Learned

The main lesson that Idom has learned in this service is the great difficulties that telco operators raise when the model of competence is based on infrastructure, especially when it comes to operators with uneven degree of development of the network. This is very representative on operators with significant market position (SMP).

On the other hand, the added difficulty to a project of this type (with great political implications for a country) performing presidential elections during its development have made necessary to multiply the efforts of communication and project management.