

BORDER

DEMARCATIION & MAPPING

IGN FI

The absence of border demarcations between States can lead to major tensions, whether between the countries directly concerned (threats to national sovereignty and risk of armed conflicts) or for other states (threat from the free circulation of goods and persons, increased risks of terrorism, improper exploitation of natural resources).

From acquiring and processing relevant imagery, geodesy and field work to creating cartographic working materials, IGN FI gives step-by-step support to its clients (the relevant government departments and national commissions responsible for border issues) in the various stages of their “border” projects. This can include draft proposals, decision-support during the negotiation stages, demarcation and both general and detailed mapping of border zones.

IGN FI provides confidential technical and legal expertise which allows national decision-makers to develop an effective negotiating strategy and - once agreement is reached between the countries involved - enables the borders, whether land, sea or rivers, to be mapped and demarcated.

OUR AREAS OF EXPERTISE

Aware of the sensitivity as well as the political and technical complexities of these matters, IGN FI advises, designs and carries out “border” projects:

- Acquisition/ technical and legal interpretation of prior documentation
- Data acquisition (satellite, aerial or drone images, LIDAR readings, ground surveys)
- Supervising field completion work
- Processing and integrating the data acquired
- Producing databases (2D, 3D) and cartographic working documents
- Producing definitive materials at the various scales required / producing associated technical documentation
- Technical and legal training
- Purchasing equipment

As a recognised technical agency, IGN FI has no involvement in political and diplomatic exchanges between the States.

OUR RESOURCES

IGN FI makes teams of specialists available to its clients:

- Sector experts (from IGN Space, French Defense, French Navy Hydrographic and Oceanic Department (SHOM) for marine mapping, and specialized firms...)
- Technical experts (experts in imagery, GIS, system engineers...)
- Experienced project managers and leaders

When necessary IGN FI calls on the services of specialist law firms who are internationally recognized in the field of border issues.

DEFENCE

SOME OF OUR REFERENCES

CONGO • Terrestrial borders and delimitation of maritime areas: help with negotiations

This project aimed at giving support to the Congolese authorities during their exchanges with the border authorities of neighbouring countries. This project included in particular the edition of map products over specific areas, a study on demarcating Congo's maritime areas as well as a large section of work given over to technical and legal training.

QATAR / SAUDI ARABIA • Marking out the international border

A political agreement based on the demarcation of the two countries common border was signed by Saudi Arabia and Qatar.

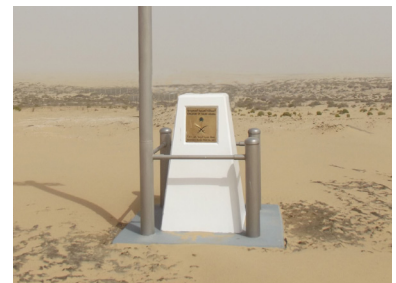
Mindful of the importance of working with an independent entity, both countries' governments entrusted IGN FI with the job of marking out the exact position on the ground of the 6 main border points, the actual demarcation of the border and creating detailed maps on various scales of the whole border area.

GABON • Preliminary study for mapping the borders of Gabon

The project for mapping the land and maritime borders of Gabon was initiated by the Gabonese government in 2009 and delegated to IGN FI. The aim was to draw up a preliminary project with a view to completely renewing the mapping of the zones concerned, in order to meet the needs of internal security and economic development.

And also:

- Technical support and training (Niger/ Benin)
- Production of spacemaps over the Chad/Sudan border and support in field investigations for the International Criminal Court (ICC)
- Consultancy services to delineate the border between Benin and Nigeria
- ...



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As major player in the field of geomatics, IGN FI offers its expertise in the following areas: geodesy, metrology, mapping / national spatial data infrastructures, databases, geographic information systems, portals.

IGN FI's work is entirely based abroad, using the company's know-how in various sectors: land administration, agriculture, forests, the environment...

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