



GEOPORTAIL

Gate of the territories and of the citizens

Rough, or enriched by public or deprived data of any nature, geographical information becomes the support of the life, - with all its constraints: documents of town planning, risks natural... - with all its freedoms: to find the services desired close to its residence, to locate the rest areas which offer the most beautiful sights or the most ludic animations... - with all its controls: to optimize its displacements, to choose its house of holidays...

GEOPORTAIL, must make it possible each one to know what it can do with “its” territory. The IGN places thus at the disposal of all, the richness of its Reference frame on a Large Scale so that each one can enrich it and adapt it with data, personal or professional. Thanks to the door of preferential entry of this gate of geographical information, the own territory will be more alive, more functional and nearer to each one.

Strong times

Summer 2006: France seen of the sky...

Navigation 2D on whole France (then in 3D) with photographs offering a resolution of 50 cm. To type the name of its commune will make it possible to fly over it with the last air mission carried out (to the maximum 5 years behind), on which the chart to the 1 will be superimposed: 25.000. 500.000 single visitors will be authorized initially...

From 2007: GEOPORTAIL will take its full take-off

The totality of functionalities described Ci after will be operational, with in particular navigation 3D and the wealth of information of the IGN and of its partners.

Gradually, the totality of the funds cartographic and photographic of the IGN will be in free visualization.

To start, it is

- 400.000 digitized photographic stereotypes which will be accessible. They correspond to the last air photography of the territory, and account for 10% of the totality of the stereotypes preserved by the IGN.

- 3.688 current charts on various scales: To the 1: 25.000 (1 cm on the chart = 250 m on the ground). They are ideal very precise charts for the excursion. These 1.700 under the name of SIGNAL 25 or blue series are found.

To the 1: 100.000 (1 cm on the chart = 1 km on the ground). They are the ideal charts for the excursions cyclists, equestrian...). One finds these 74 charts under the name of SIGNAL 100.

To the 1: 250.000 (1 cm on the chart = 2,5 km on the ground). These 20 ideal charts to furrow its area are called regional.

Other photographic, cartographic data will be accessible to the liking from the agreements made with the partners, either in lodging, or by the means of bonds. Thus, the 550.000 boards of the land register (subject to the agreement of the DGI) could be accessible in the long term.

Information for everyone

GEOPORTAIL is opened with all:

- General public, associations, teachers... Economic
- local Communities, administrations, social actors...
- Companies, craftsmen, tradesmen, independent...

The citizen will be able to reach the data, to locate and visualize services, events, to optimize his actions and to put on line his own services or leisures.

* Ex: The fan of orchises or beetles "spade-plums" will be able to put on line the localization of some niches of rare specimens.

* Ex: The association of coasting flight will be able to make profit all bitten its more beautiful spots...

* Ex: The club of horsemanship will allow the visualization of trotts month, history to evaluate its difficulty, its accessibility, the beauty of the landscapes.

The teacher will be able to conceive teaching meetings to teach the geography by using all the matter which will be provided to him: visualization of remarkable sites, geographical and cartographic designs, teaching plays of location or orientation.

* Ex: The world such as we often saw it, flat, on a poster stuck to the wall of the school, does not correspond to reality... Tens of visions of the sphere under various angles are present opening other horizons, other angles... Each pupil will be able to build his own representation, with its forms and its colors! The elected official will be able to better know his territory, to locate and make known events or services, to give an account of his action, to simulate his projects of installation, to show the perimeter of application of such or such lawful text...

* Ex: The mayor will be able to reveal there its LIKED (Plane room of town planning), the accesses and the carparks improved of the stage of foot, or the project of skirting of the agglo to inform his inhabitants... The local communities will be able to reach the bench-mark data, there to hang data "trade", to update their information, to set up services, to better know their territory, to give an account of way teaching to their managed, to simulate the impact of their projects and to support dialogue and dialogue, to recover information impacting their territory... They will be able to also make safe the access to the data and to have a clean identification.

* Ex: The community of agglomeration can inform the users of his network of bus of the modifications of lines for the nearest re-entry.

Producers of bench-mark data (ex: SHOM...) will be able to diffuse their productions, to make safe the access to their data, to make profitable their production, to articulate new services. They will be able to also have a clean identification and to bring up to date their information uninterrupted.

The producers of services will find a space legitimate on the basis of partnership. They will be able to reach the data, to put on line their services, to interface themselves with other people receiving benefits, to standardize their branch of industry or to prescribe standards. This with the liking of their own mode of management and operation.

The contractor will be able to reach the France data and except France, with services, to locate his current or future sites, to optimize his displacements, to coordinate his events...

* Ex: The real-estate agent will be able to offer to its customers visualization goods that it proposes to them, in their natural and commercial environment.

* Ex: The agricultural cooperative will have not only one global vision of the exploitations but will be able to better manage the requirements related to the quotas. Lastly, the State will provide a continuous actualization of the benchmark data, will make safe the access to the data, will protect and ensure the confidentiality of certain data, will publish data "trades", will combine the data trades with the benchmark data, will set up services, will improve the rendered service...

An entry to each one

To simplify the entry of all public the cities with each one their logic and their needs, GEOPORTAIL offers 3 principal entries by key words, by names of communes, or place names...

The first approach is then refined by a advanced research proposing of the unrolling menus... It is intuitive and simple.

1) I seek

I can seek all given or services geolocalized by Geoportail by the means of key words. I can thus reach as well air photographs as with charts of the ground, basement, sky or sea. Lastly, I can also make my own chart freely, on the cities which I already visited, on the localization of the morel tasks of my area (not to be put on line that one!)

* EX: I type "Saint-Florent of Wood", small commune located..., all the interesting sites appear: monuments, trade, the village hall, the town hall, the fire station (with photographs of the firemen!)

2) I publish

My data or the geographical services that I have or that I created. The gate enables me to give them visibility, to catalogue them, to lodge them. It also enables me to see whether other professionals, others impassioned propose elements which can enrich mine...

3) I reach

All data of GEOPORTAIL, Either in free access, or by the means of a password. I can see, choose, acquire if the contents are appropriate to me.

A style for each one

Ludic, useful, teaching, practical

1) Ludic!

It is of course the possibility of surfer on whole France in 2 Dimensions (then in 3D) with fabulous images which will attract general public. It is true that to jump of the Eiffel Tower to go to offer a diving in the Blackcurrant creeks in three clicks of mouse makes dream. The more so as the air photographs allowing this excursion are of a great quality with a resolution of 50 cm.

2) Useful

The mayor of the commune will be able to ask the IGN to lodge his SIG⁽¹⁾ - The secretary of town hall will be able to even print a mini plan of the commune. - The Council General will be able to relay her own site on GEOPORTAIL and to thus gear down its visibility and its sources of improvement with new data. - The craftsman will be able to be not only made locate and be made refer, but it will be able to also put its knowledge to make in scene with small a video accessible to each one. - The young couple with the research of the house of its dreams will be able to target the calm zones, equipped well in schools, kindergartens and trade... and compatible with its budget.

⁽¹⁾ SIG: That it is technical, socio-economic or environmental, any problems comprise a space dimension. The geographical Information systems (SIG) are the multicriterion tools for analysis set of themes which make it possible to rationalize of it the solution for the benefit of all. Guiding principles and operation through an example: our mobile telephones.

3) Teaching

The teachers will find a mine of charts, information geographical, animations and plays... of the first hand teaching supports. - The parents will be able to learn how to read a chart with their children in an amusing way, or to carry out spheres...

4) Practical

For general public, the purchase in line of charts, atlas, posters, guides... will be always possible. Hiker exerted or beginning, you need the chart SIGNAL 25 3044 OT (to the 1: 25.000) under eight days to discover this GR. (path of great excursion) still unknown... You will be able, like today ordering it on line and making it deliver on your premise. You want to offer the air photograph of the beach of its childhood to your father... Visualize it, choose your influence and make deliver it directly at his place. - For the professionals, the gate will also allow, acquisition in line of orthophotographic, topographic, compartmental data or of addresses (4 data bases of the RGE). This raw data is useful, in general, of support to the preparings or the data by which the customer wishes to enrich it. Ex: to put on line the possible layouts of the future tram. This new informative plan could be even inserted in GEOPORTAIL.

A vision for each one

One of the richnesses of Géoportail will be to be able to pass from a perception to another, while posting on the same zone of the data different sets of themes, according to the concerns of each one:

- Air Photographs
- Basic topographic Information (to see the rivers, the forests, the frame...)
 - Information sets of themes (transport, relief, biodiversity, hydrography, cultures, forest inventory, basement, littoral, cadastral pieces...

Thus, I will be able to see my commune in air photography, then to pass in a click, topographic vision, or to choose to superimpose the photograph and the roads, or to see only zonings, or to see the zones of overflight authorized with the private planes...

This passage is possible right now thanks to the 4 data bases of the RGE. With enrichments of the partners on these geographical data of reference, it is as many visions sets of themes which will be proposed.

Who has access to what?

All the citizens will have, in the long term, access to “I seek”.

In addition to the visualization of the data and navigation on whole France, the site will as well propose tens of requests of services on the trade of proximity and the schools which surround my future house, as the noise of which it will have to suffer, or the nature of the basement...

The majority of data IGN in “I reach” will be displayable free, but some will require an acquisition. For example, the SCAN 1000 (charts to the 1: 1.000.000) will be accessible to the remote loading for all for a noncommercial use. On the other hand, the SCAN 25 color (charts to the 1: 25.000) will be accessible with the help of the purchase from a licence.

The delimitation between the modes “free” and “paying” is in hand.

The access to “I publish” on the other hand, will not be possible that with a password, this would be only to make sure that the data put on line are “morally” correct.

Who controls what?

An administrator of the site will be charged to take care of the good behaviour of provided information, but will not be able to attest of their veracity...

Difficult indeed to be an expert in orchises, spade-plum and in coasting flight... to quote only these examples.

Thus, each supplier will be responsible for the reliability of his data and their update. On the other hand, the IGN will be of course guaranteeing reliability of the raw data which it will put in line, which it is of photographs, charts, or knowledge on geodesy, photogrammetry, the digital photography...

Optimizing the data with partners

If the RGE constitutes the spinal column of GEOPORTAIL, it will be all the more rich and interesting that it will be opened with all the partners likely to share information "géocombinables". They are very numerous and the approaches, as the agreements already started. They will continue during next months. The modes of association with these partners are multiple: lodgings, bonds, partial subcontracting, councils, accompaniment...

Some examples of potential partners

The SHOM: Hydrographic and Oceanographical service of the Navy

The IFN: National Forest inventory

The IFEN: French institute of the Environment

The BRGM: Office of geological and Mining Research

The DGI: Directorate-General of the Taxes

SDIS: Departmental services of Fire and help

CRIGE PACA: Regional center of Geographical Information Provence-Alp-coast of Azure

The ADF: Association of the departments of France

MFA: Association of the mayors of France

The CCI (Chambers of Commerce and Industry), guild chambers...

The CIF (French Alpine Club)

Associations of all kinds Private individuals