

Historical data : stakes, rough approaches and future plans at IGN-F

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- Distributing archives on the web
- Towards more usable historical data
- Surveying a fast changing and durable world, grounding decisions on data doomed to be historical

DISTRIBUTING ARCHIVES ON THE WEB

- Approach :
 - Content = old maps, less old maps, aerial photographs
 - Digitising when analogical content
 - Geo-referencing,
 - Putting into the national SDI
 - **Distribution will create the usage**
- Future plans :
 - Enhancing the geometrical and **thematics** referencing
 - Enhancing **metadata** production for the output of the digitising process
 - Provide methods to distribute **other providers historical data** (national library, museums)



TOWARDS MORE USABLE HISTORICAL DATA beyond access on the web

- Derive new historical products and provide integration services :



- Integrating existing data into new *layers* corresponding to a period of time
- Visual comparison, evolution extractions/derivation,
- Referencing of other data based on historical referencing scheme (digital humanities)
- *e.g. climate change, digital humanities, cultural data, land management.* (each use case brings its pack of interoperability challenges)

- Future plans :

- Cop with the new interoperability challenges ... find solutions with the relevant stake holders
- From past observations to simulation
- Set up a performant architecture with attractive interface
- Find a durable economical model

SURVEYING A CHANGING AND DURABLE WORLD : does it call for new methods?

- Approach :
 - Learn from the work on past data for the future :
 - information management (changing spec, interoperable set of referencing frames),
 - territory management (simulation)
 - Seeing data acquisition more as *continuous* updating, and users as producers (communities, opendata, ...)
 - Versioning data (new architectures and protocols)
- Future plans :
 - Build/deepen **usages above our versioned database** : with the *good* communities
 - Find the right **value/cost model** for our society needs
 - **Evolution-driven** surveying :
 - Organising knowledge about probable evolutions to guide surveying
 - Distributing evolutions (instead of differentials)