

## **ICA/EuroSDR NMA workshop: Designing MRDB and multi-scale DCMS**

3-4 December 2015, Amsterdam

### **IGN France - Abstract**

As a National Mapping Agency, IGN France produces and maintains different reference map series over the French territory. All are derived from its two master topographic databases and stored in separate DCMS. While small scale products (from 1:100k to 1:1.000k) have entered an update cycle for several years, 1:25k scale maps are still being rebuilt by using semi-automatic generalisation processes. The completion date of the first edition has recently been brought forward in order to meet user requirements for fresh geospatial information. Thus, alternative methods have been introduced to speed up map production: one reuses relevant updated elements from the previous digital cartography; the other is based on a streamlined workflow with a higher degree of automation but a less demanding rendering quality.

IGN France has also launched a reflection on the best way to update this same topographic map at 1:25k scale. In anticipation of this new production phase that will begin in 2018, it is studying which updating approach would best suit its specific production background and whether its current software solutions should simply be adapted or fully reviewed for improving the productivity, the reusability or the maintainability of the system.

Finally, some efforts have been made in recent times to develop the online services built around the IGN's multiscale vector pyramid of maps. In particular, the functionalities of the on demand mapping tools have been enriched to increase the possibilities for users to customize their own maps and to propose new products, such as posters or mixed-data maps combining for instance orthoimages and cartographic details.