

Title: Results X-border-GDI NL-NRW program

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Results Cross-border GDI NL-NRW (X-border-GDI). Themes like spatial planning, economic development, traffic and homeland security do not stop at borders and must be managed cross-boundary. The problem is that our spatial plans stop at the border and that it is difficult to plan over the border without actual and reliable spatial information. A geodata infrastructure was created to overcome these problems and to strengthen the cross-border cooperation in the German-Dutch border area. This geodata infrastructure makes it possible to find and share information between governments.

The deegree project could be seen as the basis for the X-Border-GDI infrastructure. An important aspect was that all participants in the program should connect with their own systems and that they could use the developed components without direct costs. Further development needed to be possible without a vendor lock-in as well. For that reason special requirements were used regarding interoperability (open standards), development in components and free availability of the software. In the X-GDI program a number of software components were developed or expanded. With these components a basic geodata infrastructure was build. During the development of the GDI it became clear that additional configuration tools were needed to make it 'easy' for an employee of a municipality to build his own services and to configure the viewer. Also a Thesaurus appeared to be necessary to make it easier to search the metadata catalog and to support the multilingualism. During the X-border-GDI program there was a strong collaboration with national and European standardization organizations. The result of the program can be seen as one of the leading 'best practices' for INSPIRE.

Components that will be explained during this presentation are: the developed degree extensions in Open Jump for configuring and managing WMS and WFS services, the configuration module for the Geoïde viewer, the metadata editor and the thesaurus integration. This presentation focuses on the technical components and their behavior in the infrastructure and less on the user-applications.