

1 Introduction



This report describes the main changes and conclusions concerning the 2011 annual report on the progress of implementing the INSPIRE directive in the Netherlands. The ministry of Infrastructure and the Environment is responsible for the implementation of the INSPIRE directive in The Netherlands. Geonovum acts as an implementing partner for the Ministry and has collected and consolidated the monitoring data provided by the data providers into this EU monitoring report for 2011.





The Netherlands has a pragmatic approach to INSPIRE: The Dutch parliament decided that The Netherlands should do no more than necessary. As a result of that decision, the Netherlands chooses to appoint only data providers who have the best fitting datasets available. A logical result of that is the use of key registers and other national facilities as a prime source of data and network services. Where available, each feature type in the EU data specifications has a Dutch dataset appointed to deliver services. However, some feature types have no dataset. In these cases, datasets are non-governmental or there are restrictions in the use of these datasets that do not allow them to be used as a network service (i.e. Privacy, intellectual ownership, national security etc.)

The data providers for Annex I and Annex II themes have been appointed to deliver services in The Netherlands. In 2012, the data providers for the Annex III themes will be (provisionally) appointed by the Ministry to deliver their network services according to the INSPIRE roadmap. Since Annex III providers are not yet officially appointed, the situation for this group of datasets / data providers is unchanged according to the 2010 reporting .

In 2012, data specifications and implementing rules (IR) on annex II and annex III are expected. Thus, data providers for Annex II and Annex III will be appointed provisionally first to give them enough time to make arrangements to deliver datasets and services in an early stage. This is necessary due to the deadlines for annex III's download- and view services in 2013. Further delay in delivering data specifications and IR's could influence the delivering of datasets and network services in 2013.

2 Major issues in 2011 reporting (compared to previous year) plus explanation

Indicator	Changes according to 2010	Explanation
Number of datasets	 Major decrease	Data providers combined and clustered datasets. The amount of data did not decrease, only because of the clustering the amount of datasets decreased.
Accessible services	 Major decrease	Following from the explanation above the major decrease in the

		number of datasets resulted in a major decrease in network services. But because of the clustering the content of the service for the user in total has not decreased.
Percentage accessibility	 Major increase	<ol style="list-style-type: none"> 1. Deadline for view services in 2010; plus 2. Less, but better accessible services ->increased make the ratio (percentage)
% Available metadata (datasets and network services)	 Increase	Increase of view- and download services helped increase of percentage metadata. The deadline in 2011 contributed as well.
% metadata compliance	 Decrease	Less Annex I en II datasets were reported upon. Thus, the ratio metadata compliance according to the total amount has changed . This is only a mathematical decrease.
% network services compliance	 Major increase	The EU Directive (deadline for view services) contributed to this increase of the ratio
Use (reporting)	Part N A	Not all data providers dispose of adequate facilities to monitor the use of their services

3 Explanation of Major issues per Annex

3.1 Annex I

In 2011, there were 45 datasets available. 100 % of these datasets have metadata and 100% of the metadata is INSPIRE compliant. Each dataset is accessible via the National Geo Register and findable by search engines. 96 % of the datasets are accessible by view services. Not all data is accessible by view services: there is a dataset without geographical features (transportation restrictions). Air transport information is planned to be available from 2012. This dataset and services are still due to international negotiations on providing services in an European way. 56 % of the datasets is accessible by download services. (The deadline for download services will be in 2012.)

The absolute amounts in monitoring 2011 are substantially lower than in 2009 and 2010. This is the result of a group of data providers (27 water boards) who have chosen to provide the data on their 5 themes countrywide together instead of divided into separate datasets for 27 parts of the country. As this will contribute to the practical use of the datasets and related services.

In 2011, data providers were obligated to deliver view services compliant to the view specifications. This also means that spatial data services are reported as network services. The number of use of the several services and the access-URL are reported by network service type. The overall result shows an increase of accessible services.

3.2 Annex II

In 2011, 9 datasets are appointed as a part of the Annex II themes. These datasets are appointed on a provisional basis, as the IR is not yet finished (Expected: december2012). By then, the datasets and providers will be officially appointed after a review.

100% of these datasets have metadata, and 100 % of the metadata is INSPIRE compliant. Each dataset is accessible via the National Geo Register and findable by search engines. 100 % of the datasets is accessible by view services. None of the (0%) of the datasets are accessible by download services. (The deadline for download services will be in 2012)

The absolute amounts in monitoring 2011 are substantially lower than in 2010. This is mainly the result of one data provider (TNO) who has chosen to cluster reporting and approximately 200+ datasets into 6. As this will contribute to the practical use of the information on the datasets and related services. This point of view gives better insight into progress from a data provider and an INSPIRE theme as a whole. Also, this results in a decrease in the total of reported relative acreage.

3.3 Annex III

In 2012, the Ministry of Infrastructure and the Environment will appoint the data providers for Annex III themes. As such, information concerned is considered unchanged compared to the previous year.

4 Conclusions and recommendations

The delivering of clustered datasets and network services had great influence on the monitoring results compared to the previous years. Over all, we consider this as a benefit to end users of the services and datasets.

1 download instead of 27 of Waterboard information sources brings important benefits, especially because the administrative borders of Waterboards are not consistent with other administrative areas as provinces or municipalities in The Netherlands.

Clustering services based to 6 themes out of 200+ datasets makes geological information better findable and usable and will contribute to a countrywide information instead of many different partial datasets. As partial datasets will be added regularly (according to current research results), the theme index makes them easier to monitor in total over the year.

Thus the decrease on the indicators does not indicate a worse situation, on the contrary, the situation has been improved for the user.

Reporting on annex III datasets and network services has not changed since last year.

Since the specifications on metadata have improved in 2011, the percentage of datasets with INSPIRE-compliant metadata has increased. The deadline on view services and discovery services also helped: In 2011, a percentage of almost 100% compliancy is reached. One provider (NGR) did not have a proper discovery service. Another dataset (air transport information) is still due to international negotiations on providing services in an European way.

Both annex I and annex II data providers are almost all capable to deliver INSPIRE-compliant view services on their datasets. The exceptions are explainable: One dataset doesn't contain geographical features.

Not all data providers could provide information on the actual use of their datasets and network services. Thus, they are strongly advised to take the necessary measurements this year to be able to report upon use of network services for the 2012 EU monitoring.