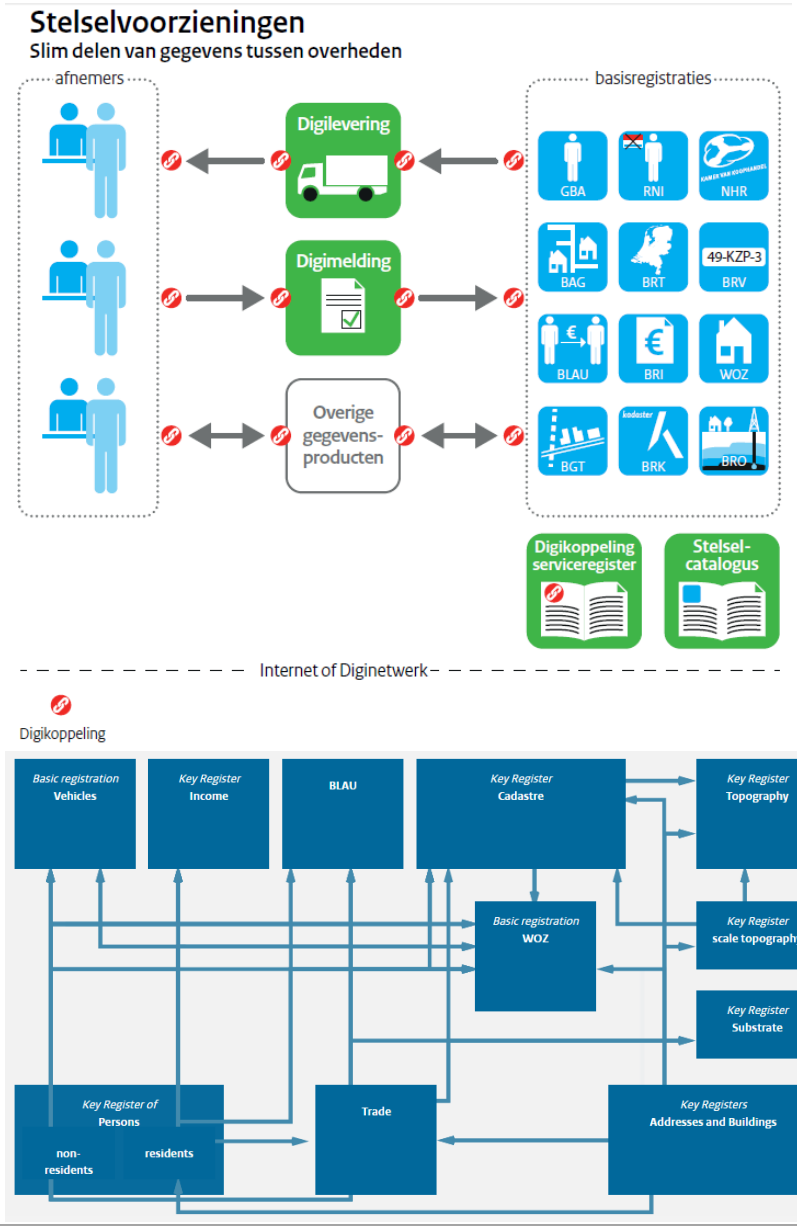
System of Base Registries		
Summary		
ID	NL07	
Initiative	Netherlands	
Short description	The System of Base Registries was created by the Dutch government to share authentic data provided by citizens and businesses. It is composed of 12 base registries, including those related persons, business or land. In order to promote a smart sharing and exchange of data, four system services were developed: Digikoppeling, Digilevering, Digimelding and the Stelselcatalogus.	
Owner	Dutch government (Netherlands)	
Contact	Logius (digital government service he Netherlands Ministry of the Interior and Kingdom Relations) kristian.mul@logius.nl	The National Commissioner for Digital Government (Digicommissaris) erik.jonker@digicommissaris.nl
Type	Service	
Sub-Type	Infrastructure	
Context	Cross-sector, Cross-border	
Base Registry type	Business, People, Land, Vehicle. Complete list of the Dutch registries belonging to the System of Base Registries can be accessed here.	
Operating model	The connection procedure to each of the 12 base registries is provided by the digital government portal, together with other details, such as the Service Agreements, fees or additional assistance (Click here). The connection is usually done through an application. The user would have to provide specific data asked by a certain authority (for example the Chamber of Commerce in the case of the Trade Registry). Once this process is complete, the organisation should be able to connect to the registry and use one or more information products. As regards the four system services, the Logius portal provides the exact steps and additional technical information to the followed in order to connect to the system. (Click here). The source code for the Stelselcatalogus (the system catalogue) can be found as an open source software in Github through the Open Source Software Gegevens catalogue (OSSG). The code is ready for install/use once the access to a SPARQL endpoint containing the data is set up. The Stelselcatalogus (the system catalogue) is available as an online catalogue and is thus accessible to everyone.	
IPR	The Stelselcatalogus needs the BSD-2 licence. For the remaining base registries and services, intellectual property rights have not been found.	
Status	Operational	
More details		
Functionalities	The purpose of the 12 base registries is to provide updated, high quality data, which can be used by all public institutions in charge of performing public duties. The four system services have specific goals of their own: • The **Digilevering** is a generic subscription service for the delivery of messages after changes in the data. It aims at receiving up-to-date and accurate notifications on base registries events, such as the relocation of a business, the birth of a person, or changing one's income data.	

	• The **Digimelding** is a central point for registering possible incorrect data in base registries. Via the Digimelding, the registered incident will be sent to the correct governmental body. After the data is corrected, the official will receive a message about the outcome of his registered incident. • The **Digikoppeling** is used to transfer and exchange data between systems and governmental organisations. It consists of interface standards, data formats and logistics agreements to be used by the government to exchange information. • The **Stelselcatalogus** is an online catalogue of definitions of all the concepts that are included in the base registries. The catalogue presents the available (authentic) data and the concepts of the base registries to the relevant stakeholders (including lawyers, civil servants, citizens and companies). Based on the data of the Stelselcatalogus, users are able to define whether concepts and (authentic) data of the base registers are relevant for their own work processes.
Design/Architecture	The representation of the Systems of Base Registries: 

	A Base Registry is ready, if it meets the following criteria: • The legislation setting mandatory use is regulated and adopted; • The collected data includes at least legal information and is kept up to date; • There is an operational facility for the provision of such data. All parties are obliged to make use of the data.
Technologies	Technologies behind the System of Base Registries include: • PHP 5.3 (pdo, mysql, mcrypt, memcached, curl, xsl); • MySQL Server 5.x; • Apache 2.x (php, rewrite, memcache);
Specifications	Specifications behind the System of Base Registries include (but are not limited to) the W3C LOD standard and the Dutch referential architecture called NORA. Other standards used by the Dutch government are: • StUF (message standard for municipalities and information chains which operate municipalities); • SuwiML (sector-specific standard for the employment and income domain); • Geostandards (for exchange of geographical data); • Aquo (for exchange of water data); • SIKB (for exchange of soil data).
Management	Ministry of the Interior and Kingdom Relations
Governance	The Ministry of the Interior and Kingdom Relations appointed the National Commissioner for Digital Government (Digicommissioner) for ensuring the sustainable development of the Generic Digital Infrastructure (GDI). The GDI consists of products, standards and facilities. It is classified into four clusters (identification and authentication, data, services and interconnectivity), each contributing to different aspects of digital services. The cluster data focus on the exchange of information within the government. The GDI has a governance model comprised of directing boards (service delivery, data, interconnectivity) involving the main stakeholders (ministries, executive agencies, local and regional governments). Logius is an agency under the Ministry of the Interior and Kingdom Relations. It maintains government ICT solutions and common standards, which facilitates the communication between authorities, citizens and businesses. Logius supplies products relating to access, data exchange, standardisation and information security. It is responsible for the management of many GDI components, including the four system services. For example, the content of the Stelselcatalogus is maintained by Logius. Logius provides digital government services, such as DigiD or mijnoverheid.nl, and maintains standards (like Digikoppeling, Digmelding, Eherkenning). Logius also houses the Standardisation Forum Desk. The directing board responsible for data manages the further development, implementation, use and the coherence of the System of Base Registries.
Sustainability	Not Available/Not Found
Documentation	https://www.digitaleoverheid.nl/wp-content/uploads/sites/8/2016/12/Factsheet-Stelselvoorzieningen.pdf http://stelselcatalogus.logius.nl/ https://www.digitaleoverheid.nl/

	https://www.logius.nl/ https://www.digitaleoverheid.nl/voorzieningen/gegevens/inhoud-basisregistraties/
ADMS	Not Available/Not Found
Current Users	Mainly ministries, executive agencies, local and regional governments, but also companies and citizens.

EIRA

View	Legal view	Organisational view	Semantic view	Technical view-application	Technical view-infrastructure
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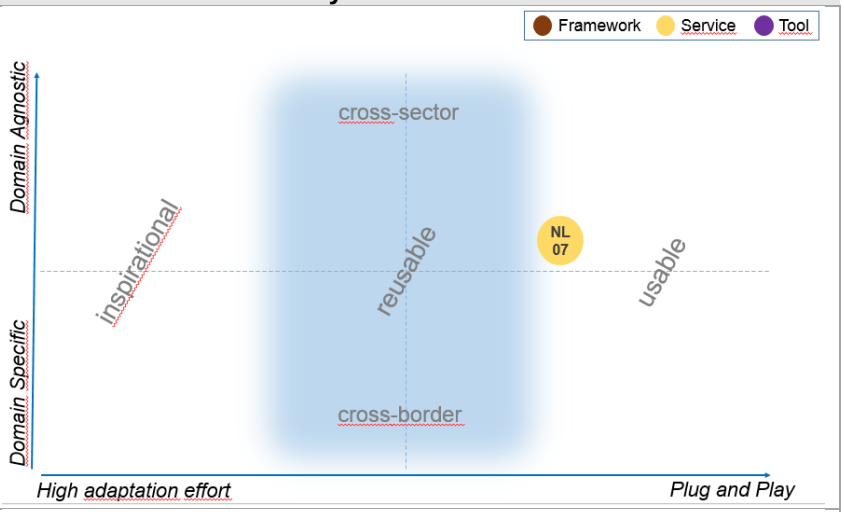
Building Block	Records Management Service

Reusability

Landscape	
Criteria