Good Practice #4 – Urban Dashboard and Geoportal

Location of the organisation in charge:	Country	Italy
	Region	Liguria
	City	Genoa
Main institution in charge:	Municipality of Genoa	

Good practice general information		
Geographical scope of the practice:	Local	
Location of the practice	Country	Italy
	Region	Liguria
	City	Genoa

Practice image:	
Title of practice:	*[29/100 characters]* Urban Dashboard and Geoportal

Good practice detailed information	
Short summary of the practice:	*[152/160 characters]* An integration of the data pool made available by the Enter-award Architecture (EA) in a single ecosystem to the administration for planning and control
Detailed information on the practice:	*[1295/1000-1500 characters]* The platform is oriented to (Big) Data Analytics, Data Mining and Decision Support. It allows the city to derive from the resulting Data Hub of the interoperability infrastructure. The Specific Data Bases finalized to the management of the phenomena are related both to the Subjects (citizens and businesses) and the Objects (buildings, schools, etc.) and are – in any case – within the boundary defined by the 9 thematic strands envisaged by the Pon Metro. Examples: (1) Tribute Datasets involving other databases managed by the municipality, such as the Waste Tariff, IMU and external databases, the Land Registry and SIA-TEL (from the Revenue Agency) (2) Dataset of Social Need – personal data, context data, social needs, social assessment data, legal situations and protections, health-social situations and assigned services (3) Dataset for Civil Protection – risk ranges, exposed population, fire risks, etc. (4) Energy Dataset to support a transition to an economy with low emissions and the reduction of energy consumption by establishing a system of information sources that normally belong to different domains such as the Plant Register (source: Region), the Cadastre and the Tax Registry Office (source: Agenzia Entrate), the Buildings and their toponymy (from the municipality), etc.
Resources needed:	*[134/200-300 characters]* The project was financed by Structural Funds: the National Operational Programme "Città Metropolitane 2014-2020". Resources: 165,000 €

Timescale (start/end date):	2016-2019
Evidence of success (results achieved):	*[444/300-500 characters]* Evolution of the Dashboard (advanced functions – not a complete list): - Realization of a tool for quick search of objects through an attribute present in the database of the single informative layer - Update to version 2 of the Mapstore web GIS component which makes the Geoportal fully compatible with mobile devices (smartphones and tablets) - Open-source geographic DB experimentation aimed at replacing the current proprietary system (Oracle)
Challenges encountered:	*[291/300 characters]* The data analysis platform couldn't be based on a standard analytical model alone since some of the data that are required to take into consideration include large volumes – volumes that become unmanageable with the traditional model increase dramatically and are of great variety and speed.
Potential for learning or transfer:	*[997/500-1000 characters]* The system ensures efficient interoperability services regarding external database sharing and provides similar functionalities with regard to the information exposed by external parties. It offers multiple research methodologies and localization with the ability to perform advanced queries between different geographic information layers and make available advanced functions of sharing and exporting results. The activities were carried out by keeping in mind the necessary and correct integrations with the internal (Objects Domain, Toponymy, Budget, Energy Dashboard, etc.) and external (Land Registry, Revenue Agency) Systems & Databases – it is usable by the Body and Orders, citizens and companies, in compliance with the respective responsibilities and competences, as well as the regulatory framework (transparency, privacy). The Geoportal facilitates and allows the localization of some information layers such as places of cultural interest, educational institutions, water courses, etc.
Further information:	*Link to where further information on the good practice can be found* https://smart.comune.genova.it/geoportale/
Keywords:	*Select from existing keywords* (something similar to *big data, data analysis, online platform*)