

# NIFO Factsheet – Italy

The main online sources for interoperability related items in Italy are:

- The new Digital Administration Code (DAC): <http://www.agid.gov.it/agenda-digitale>
- The ICT interoperability framework Sistema Pubblico di Connettività e Cooperazione (SPC): <http://www.agid.gov.it/agenda-digitale/infrastrutture-architetture/sistema-pubblico-connettivita>

## Main interoperability highlights

The Italian National Interoperability Framework consists of a legal framework, the Digital Administration Code (DAC) and of an ICT interoperability framework Sistema Pubblico di Connettività e Cooperazione (SPC)<sup>1</sup>. A new version of the Digital Administration Code<sup>2</sup> entered into force in October 2016. New technical guidelines and rules are necessary to fully enforce this new version.

## Summary of the NIF

**The Digital Administration Code (DAC)** is a legal framework that defines a comprehensive set of rules regarding the digitalization of the public administrations, dealing with (a) the rights of citizens and enterprises on public administration, (b) putting citizens and enterprises at the centre of public administration services, (c) digital signatures and legal validity, (d) contracts, payments and accounting deeds, (e) development, acquisition and reuse of software, and (f) the SPC. It includes SPC as an interoperability framework for a national shared infrastructure for electronic payments in public administrations.

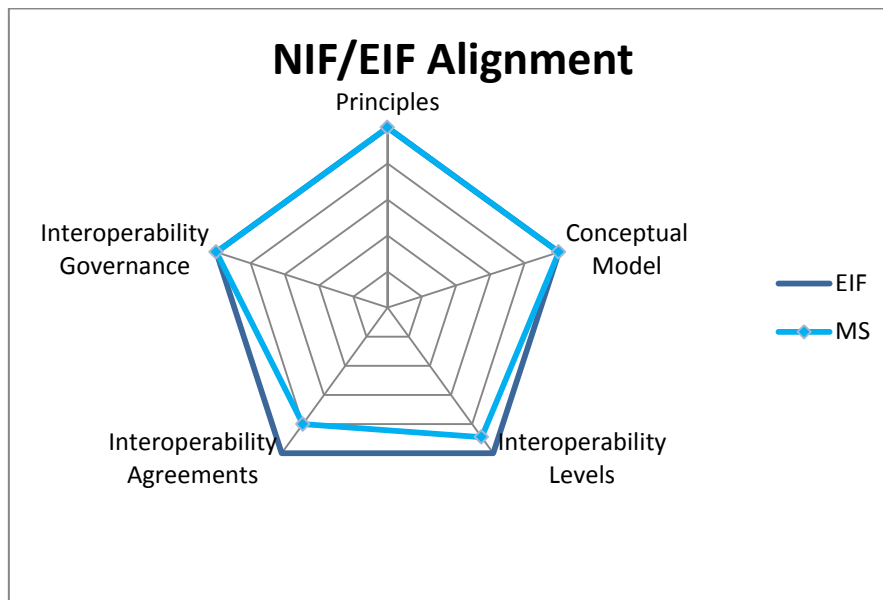
**The Sistema Pubblico di Connettività e Cooperazione (SPC) framework** mainly describes the *actors*, the *governance*, the *interoperability infrastructures*, and the *security management*. Firstly, the *actors* could be qualified SPC providers (providing internet or application service), private enterprises with public purposes, or external authentic data sources (do not participate in SPC but they can provide required information within SPC). Secondly, the *governance* of SPC is under the control of the SPC Commission, formed by members appointed by Ministers and members appointed by the Assembly of local administration. Thirdly, the *interoperability infrastructures* guarantee technical interoperability at any abstraction level, from the connectivity up to the application level. Finally, the *security management* implements a set of security services to enforce trust among public administrations connected to the network.

<sup>1</sup> <http://www.agid.gov.it/agenda-digitale/infrastrutture-architetture/sistema-pubblico-connettivita>

<sup>2</sup> <http://www.agid.gov.it/agenda-digitale>

## Alignment NIF/EIF

The Italian NIF is fully aligned with the EIF in terms of principles, conceptual model and interoperability governance. It is well aligned in terms of interoperability levels and interoperability agreements.



All of the EIF principles are mentioned in the details of the legal text which results in a nearly full alignment of the Italian NIF with the EIF.

The SPC closely aligns with the EIF in terms of conceptual models, by means of the Italian Enterprise Architecture and the service-oriented architecture driven infrastructure.

The Italian SPC addresses all interoperability levels, therefore a good alignment to the EIF was observed. However, no explicit business processes of public administrations are given and the organisational relationships are not really detailed as part of European public services.

The SPC also describes several legally binding interoperability agreements, such as service agreements and cooperation agreements; an increasing number of Public Administrations is using these.

A strong interoperability governance structure was found in the NIF, as demonstrated by the SPC Commission (or SPC Board). The Commission is formed by members appointed by Ministers (50%) and members appointed by the Assembly of local administrations (50%), which are the political representatives of local Public Administrations.

More detailed information on NIF / EIF alignment is provided on the NIFO Community on JoinUp on the [Compare NIFs](#) page.

### Example of alignment – Principle 2: User-centricity

In Italy, the requirements related to interoperability of public administration systems are set out in the Italian digital agenda and the Digital Administration Code (CAD), which in its Article 73, defines Public Connectivity System (SPC).

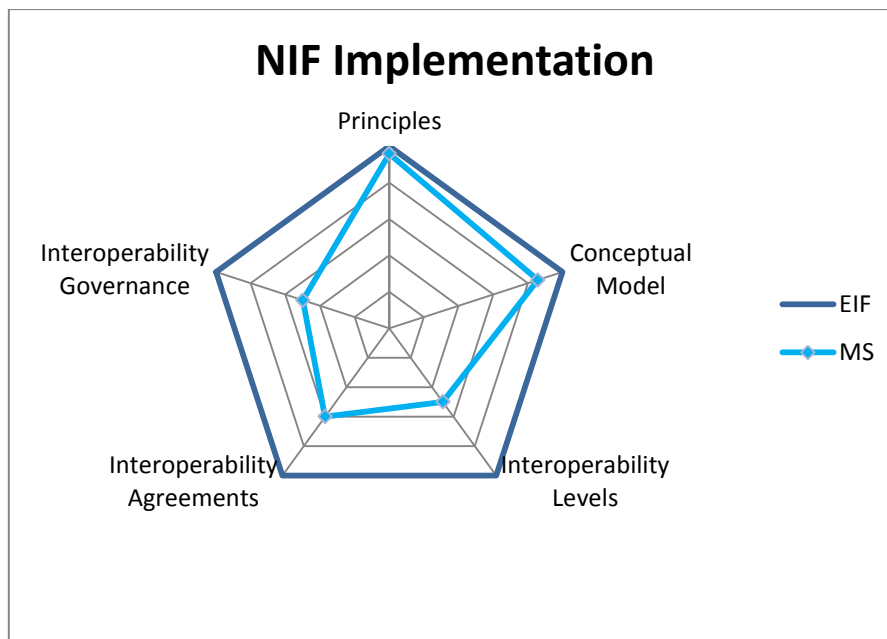
- The CAD recommends to have an integrated vision of all the services of each central and local public administration, independent of the supply channel (multi-channels). In addition the SPC states that services should be efficient, effective, pro-active and user-centric to respond quickly to the needs of stakeholders.

See the SPC document:

[http://www.agid.gov.it/sites/default/files/documenti\\_indirizzo/architettura\\_it\\_pa.pdf](http://www.agid.gov.it/sites/default/files/documenti_indirizzo/architettura_it_pa.pdf)

## Implementation of NIF

Examples of implementation are identified for the principles, conceptual model dimensions, interoperability levels and interoperability agreements dimensions.



For all principles, there is a large scale implementation, mostly through AgID (Agenzia per l'Italia Digitale) and SPC.

As regards the conceptual model, this is practically implemented by AgID and SPC.

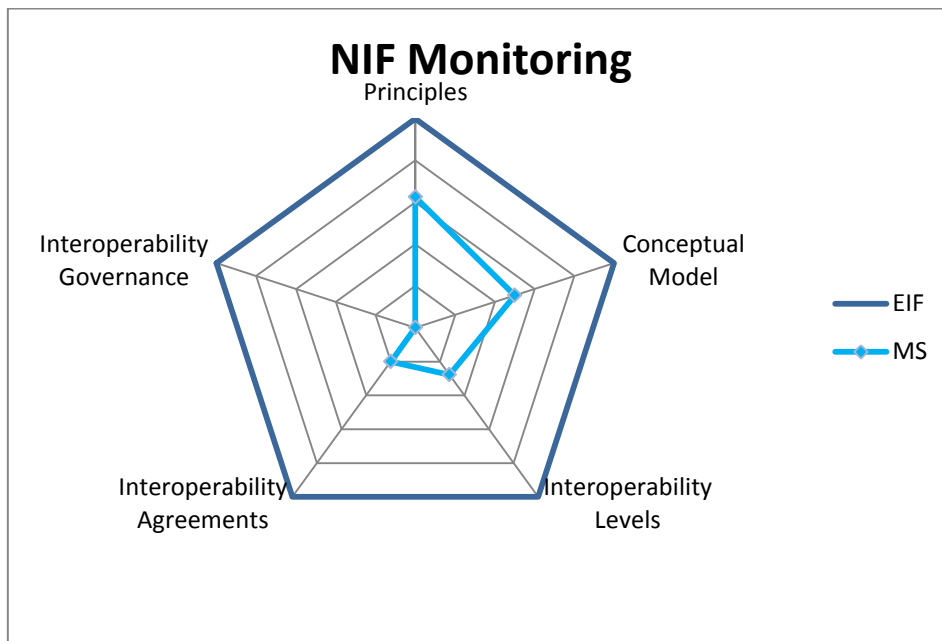
Regarding the interoperability levels, the SICA register<sup>3</sup> publishes the service agreements. Each criterion is implemented, except legal interoperability and change management. Implementation is mostly performed under the control of the above mentioned AgID.

<sup>3</sup> <http://sica.spcoop.gov.it/>

The interoperability agreements are implemented in cooperation with AgID, more specifically the technical requirements and the Service Level Agreements.

### Monitoring of NIF

Examples of monitoring are identified for the principles, conceptual model dimensions, interoperability levels and interoperability agreements dimensions.



AgID is responsible for the reporting and monitoring for six of the eight principles monitored.

The conceptual model is monitored by AgID and SPC.

Regarding the interoperability levels, AgID and SPC perform the monitoring concerning formalised specifications.

AgID and SICA are the responsible bodies for the monitoring of the interoperability agreements.

More information on all the implementation and monitoring examples is provided on the NIFO Community on JoinUp on the [Compare NIFs](#) page.

### Example of implementation/monitoring – Conceptual model: common schemes to interconnect loosely coupled service components

In Italy, the common schemes are both implemented and monitored. For the implementation,

- There is a data sharing agreement which regulates the interactions with the cadastral base register based on the SPCoop system and schema.

See page 3 of the “Technical rules for the access at the basis of cadastral data” ([link](#))

Concerning the monitoring, this happens through SPC contracts subscribed by Public Administrations in the context of the SPC public tender and using the SICA register which includes the Service Agreements of SPCCoop.

See <http://sica.spcoop.gov.it/>

### Other initiatives on interoperability

Dati.gov.it provides access to datasets from the Italian administration. The portal is currently making about 10.000 datasets available (<http://www.dati.gov.it/dataset>) which are also accessible via ODIP (<https://data.europa.eu/euodp/en/data>), the pan-European single point of access to European datasets.

The Agency for Digital Italy ([AgID](#)) launched an initiative named #Data4all. It aims to facilitate the access to specific Italian Public administration’s open data available in the following separated thematic portals: [SoldiPubblici](#), [ItaliaSicura](#) and [OpenExpo](#). These portals have been developed and launched by Public Institutions with the support of AgID in order to make it available to everyone, to monitor and analyse financial information, including budgets, spending and public contracts, and data information on construction sites and disaster events (e.g., floods, landslides, etc.)<sup>4</sup>.

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<sup>4</sup> <https://joinup.ec.europa.eu/community/nifo/case/italy-facilitates-access-public-data-through-portals>