

SIMAPS VALUE PROPOSITION

SEMANTIC INTEROPERABILITY MATURITY ASSESSMENT OF A PUBLIC SERVICE



DESCRIPTION WHAT IS SIMAPS?

Semantic interoperability ensures that the precise format and meaning of exchanged data and information is preserved and understood throughout exchanges between parties.

- SIMAPS is an online self-assessment tool that allows public service owners to **evaluate the behavioural interoperability maturity** of their digital public services from **the semantic interoperability viewpoint**.
- SIMAPS provides an **interoperability maturity score** combined with recommendations and good practices for improving the **overall semantic behavioural interoperability** maturity of digital public services.



AUDIENCE FOR WHOM IS SIMAPS RELEVANT?

- **Data experts** | to provide information on existing and reusable data sets, data models and core vocabularies on their use.
- **Public service owners** | to improve the overall semantic interoperability and conformance of their digital public services.
- **Business Architects** | to help analyse and document the processes and data flows for the smooth data exchange among services.

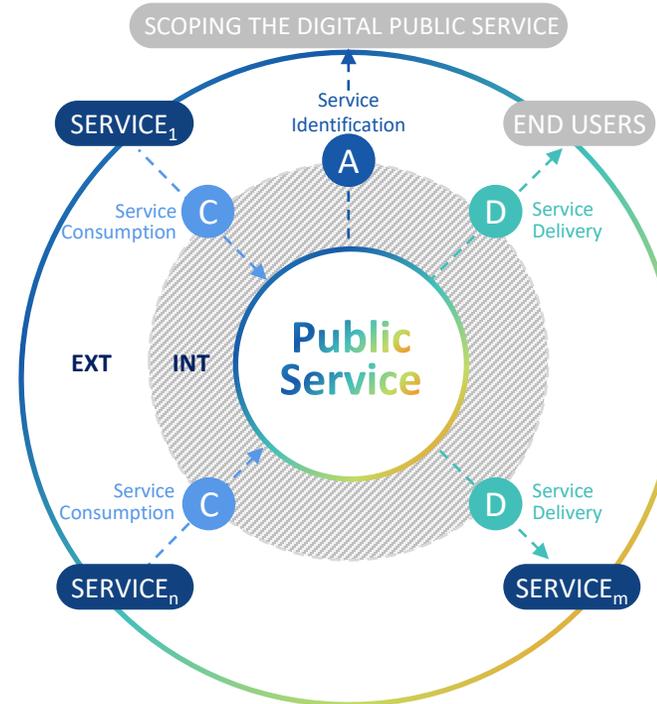


BENEFITS WHY USE SIMAPS?

- ✓ Ensures alignment of digital public services with the standards of the **European Interoperability Framework (EIF)**.
- ✓ SIMAPS provides **insight into the current interoperability maturity**, as well as guidance for the design of future digital public services.
- ✓ **SIMAPS** can be used for assessing the semantic **interoperability of any digital public service** in the EU e.g., semantic alignment of data exchanged between an electronic public procurement platform and the TED eNotices platform of EU.

SIMAPS CONCEPTUAL MODEL

The SIMAPS conceptual model describes all possible instances where **interoperability with the outside world may occur from the digital public service viewpoint**. It distinguishes between:



INT = internal domain (**PRODUCE**): the organisation produces the public services



EXT = external domain (**REUSE**): the digital public service reuses existing services from other administrations and/or businesses

END USERS: citizens, businesses and other public administrations or be consumed by another service



DIGITAL PUBLIC SERVICE COMPONENTS

The **SIMAPS** assessment captures three different service areas:



Service Identification: scopes the digital public service e.g., service outcome, service owner, administrative level, etc.



Service Consumption: focuses on the data consumed by the digital public service from other services e.g., semantically aligned data, code lists, etc.



Service Delivery: focuses on how the data of the digital public service is delivered to its end-users or other services e.g., data format, semantic agreements, etc.

