EU electronic invoicing in Italy: CEF projects and PEPPOL adoption

Fabio Massimi

CEF eInvoicing Implementation Workshop – Milan, December 9°, 2019

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CEF Telecom: the projects lead by AgID

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The Connecting Europe Facility (CEF) is a key EU funding instrument to support the development of interconnected trans-European networks in the fields of transport, energy and **digital services**.

e-Invoicing 2015	▪ **eIGOR** – Adoption of the EU e-invoicing standard (1° release of Translator & CIUS)	ended	01/01/2017 - 30/04/2018
e-Procurement 2015	▪ **IleP** – Adoption of eCertis service	ended	01/01/2017 - 30/09/2018
e-Procurement 2016	▪ **ESPD** – Adoption of European Single Procurement Document	ended	01/03/2017 - 31/12/2018
e-Invoicing 2017	▪ **EeISI** - Adoption of the EU e-invoicing standard (2° release of Translator & CIUS + edelivery AS4)	next to end	01/05/2018 - 31/12/2019
e-Invoicing 2018	▪ **SCALES** – Adoption of the EU e-invoicing standard, **new service architecture based on DLT**	on going	01/09/2019 - 30/11/2020
e-Procurement 2018	▪ **eNEIDE** – Adoption of ESPD by regional eProc Systems anc update of National Contract register	on going	01/10/2019 - 31/03/2021

The evolution of SDI for supporting European eInvoicing

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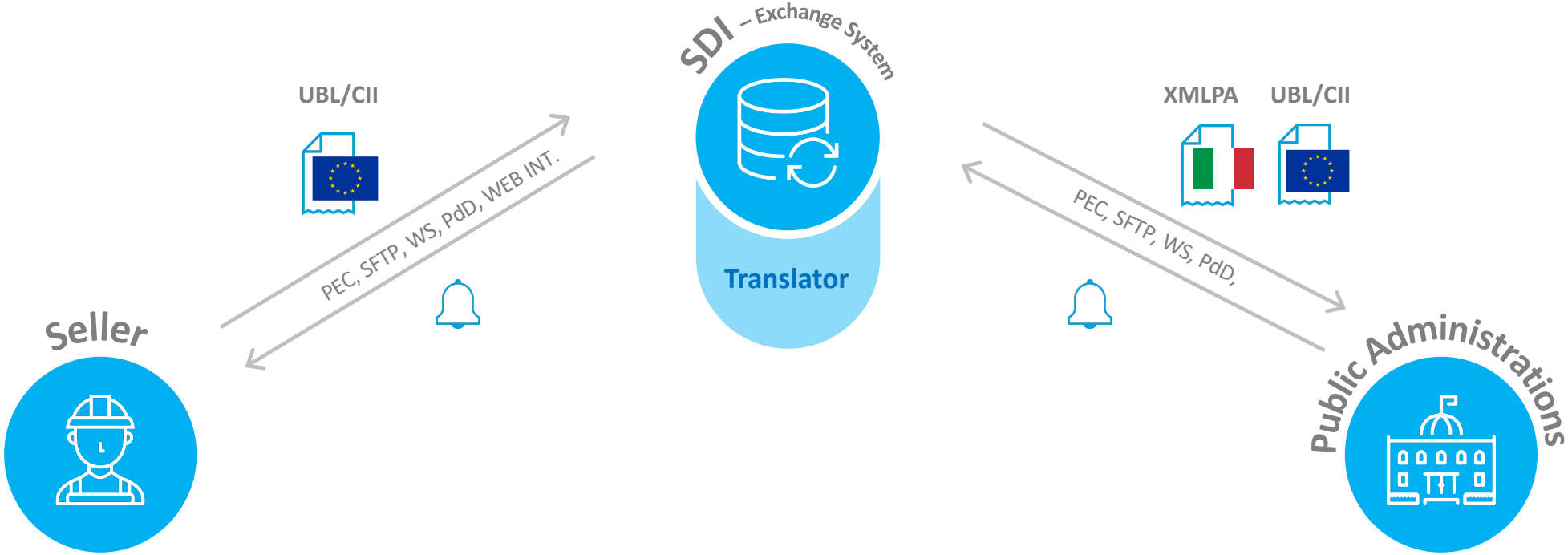
*In the **eIGOR** and **EeISI** projects the **translator** between EU standard and FatturaPA has been made. Another main deliverable of these projects has been the definition of the **national CIUS**.*



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EeISI project. Partners: AgID, Agenzia delle entrate, IntercentER, UNIONCAMERE, UNINFO.

Core Invoice Usage Specification for Italian domain

*The **Italian CIUS** has been published by provision of the Director of the Revenue Agency on April 18, 2019.*
*The CIUS includes large part of the work done in the **eIGOR** (2017-18) and **EeISI** (2018-19) projects*

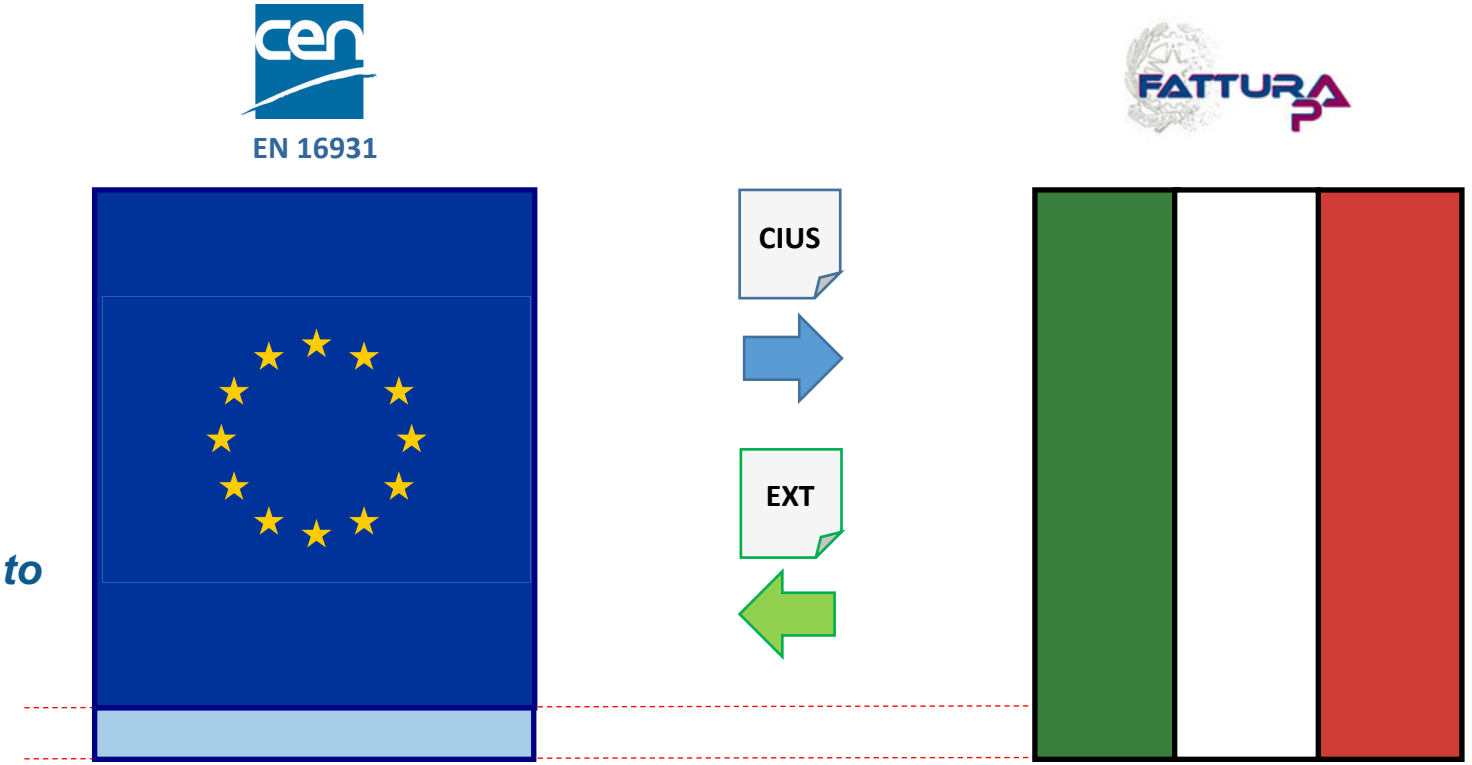
information not addressed by CIUS IT:

- *Stamp duty*
- *Social security fund*
- *Witholding tax*

A-deviation: A1:2019 (13.11.2019)

- *Split payment (derogation Dir. 112/2006)*

*Work is underway to **possible amendments to EN 16931** in order to manage the above information.*



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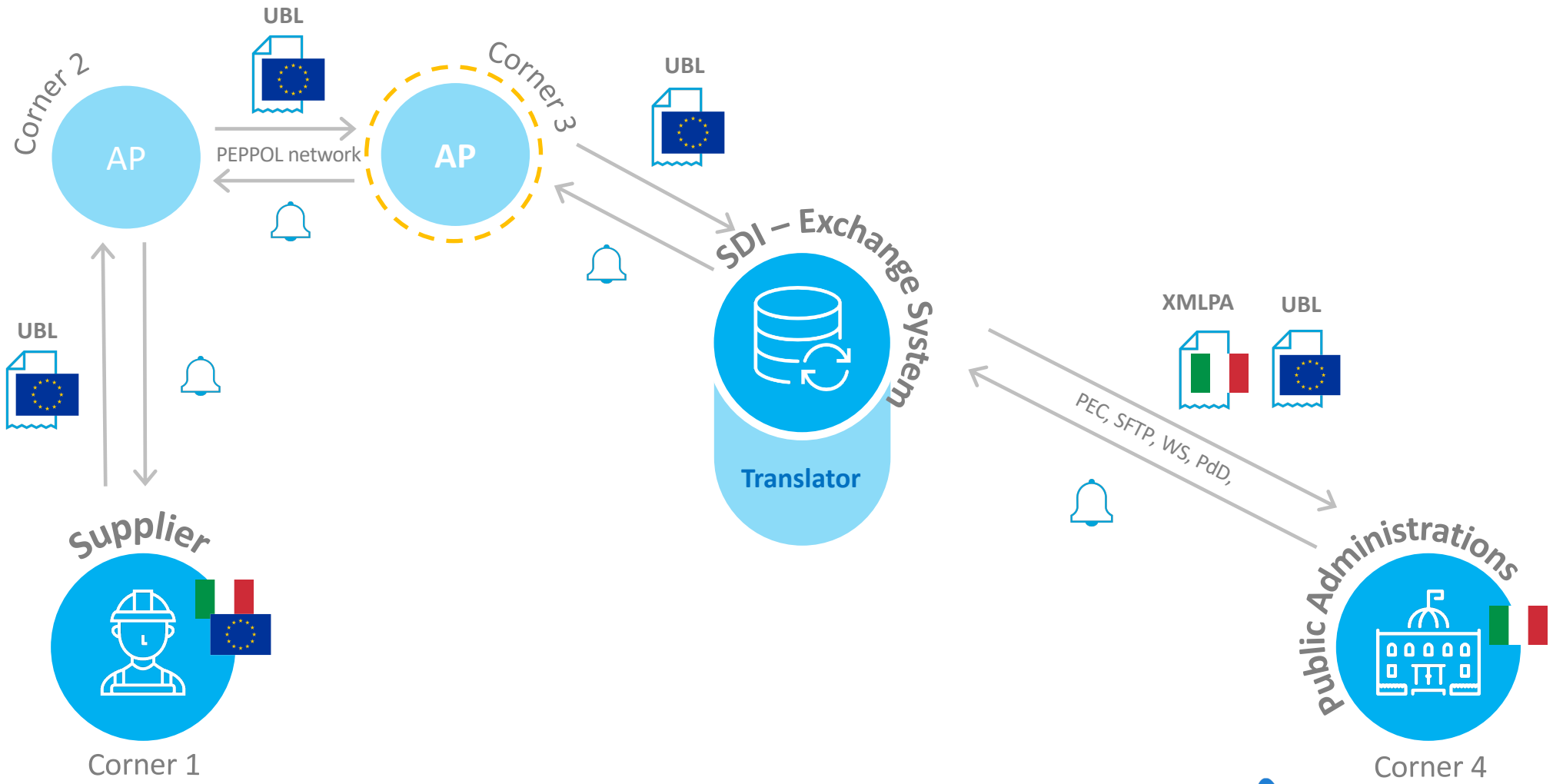
EeISI project. Partners: AgID, Agenzia delle entrate, IntercentER, UNIONCAMERE, UNINFO.

SDI and PEPPOL network



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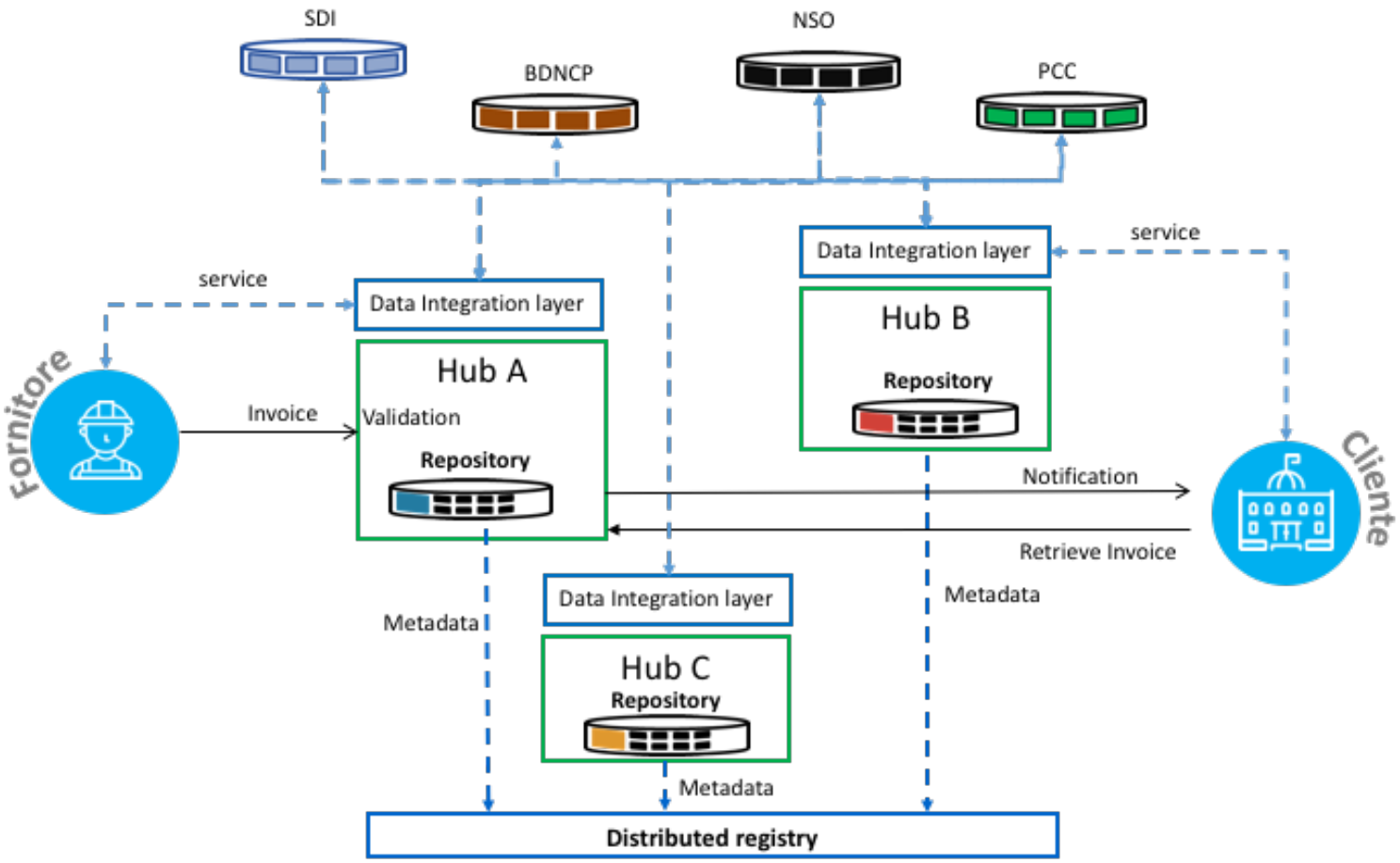
EeISI project: connection with the PEPPOL network

Peppol
The future is open

AgID is PEPPOL Authority for Italy

SCALES project: a new paradigm

- **SCALES - Supply Chain Architecture Leading to Enhanced Services. (CEF 2018-IT-IA-0053).**
- The project is focused on development of a **service-oriented architecture based on DLT technology and distributed repositories.**
- The project is focused on the **evolution of the centralised architectural model** now implemented by SDI (National eInvoicing Gateway) and NSO (National eOrdering Gateway).
- The architecture will be **independent from the clearance model** adopetd by SDI (and NSO) and will support the actual clearance model implemented by SDI by law, but it will be ready to overcome it as soon as the law permits.



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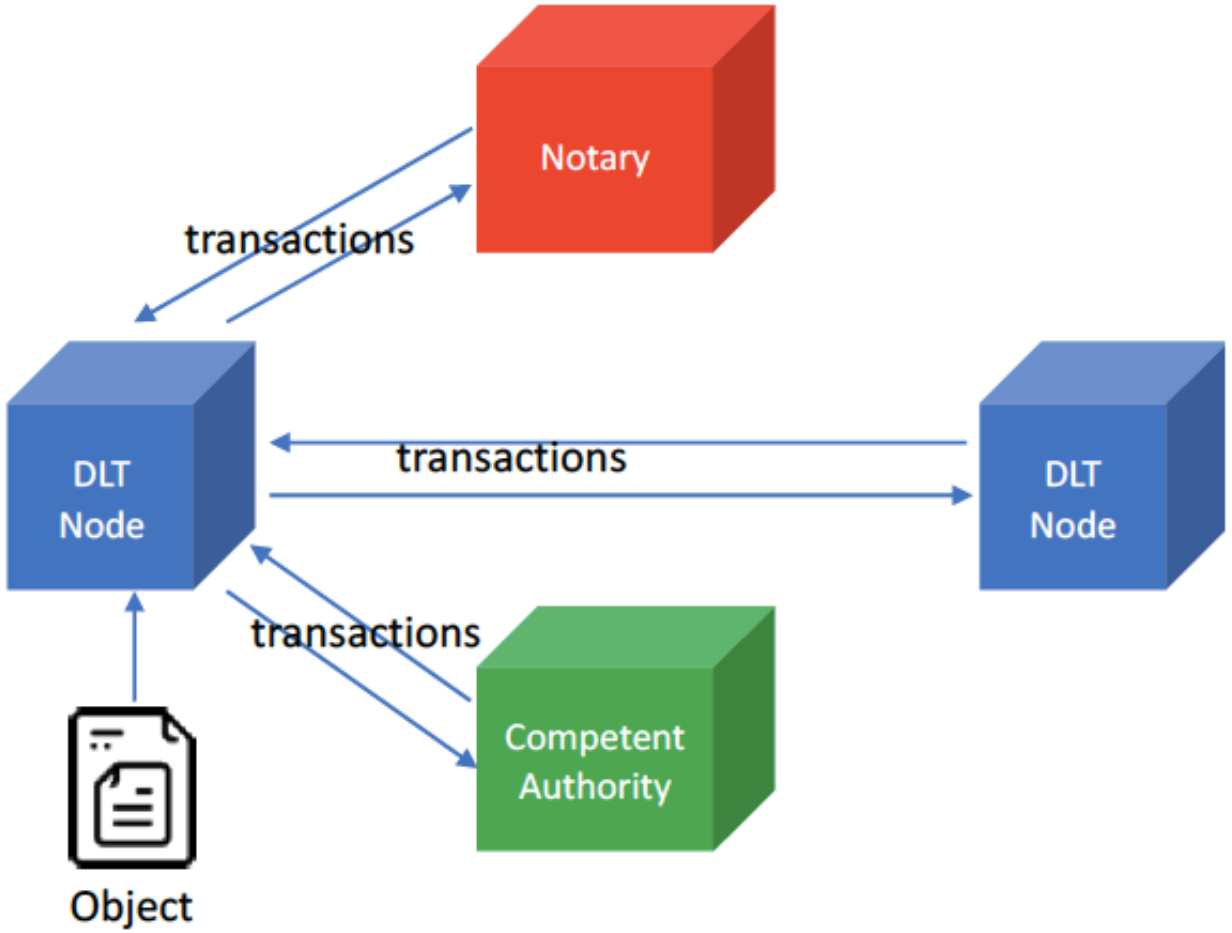
SCALES project: general approach

SCALES decentralized network approach *in brief:*
- The object is created on a specific node of the DLT network and it is visible only to that node and all the counterparty nodes involved in a workflow
- The ***Workflow is distributed*** *among different nodes, where each node participate via signed transaction, once it has completed its own task*
- ***The only nodes that holds the data is the one where the data has been uploaded to****. All the other nodes, involved in the workflow, participate by getting the data form the source node, doing some work on it and signing back their own transaction in order to let the workflow progress.*
- The blue nodes are involved on a ***need-to-know basis****: one is the source node, where the data is uploaded, the other is asked to participate to the workflow.*
- Some nodes are always involved. The ***Competent Authority*** *node checks the correctness of data. The* ***Notary*** *node signs the last step of the workflow, in order to avoid double spending of it (i.e. repeating the workflow on the same instance of data)*



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Grazie!

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