

Quality Management of Cross-border Relationships in the European System of Interoperable Statistical Business Registers (ESBRs)

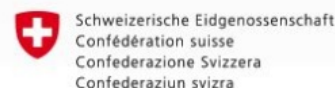
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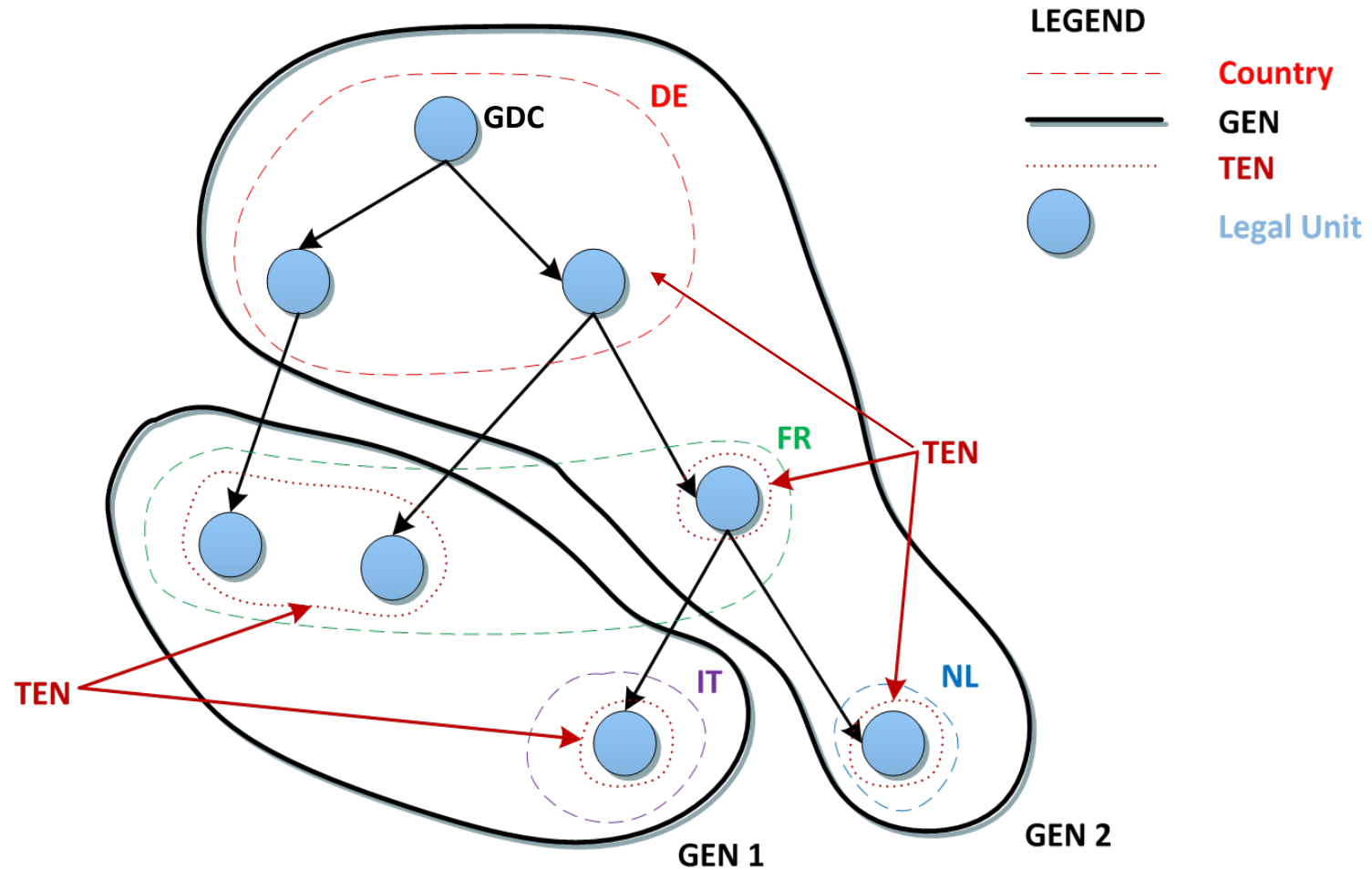
Ioannis Xirouchakis, Eurostat

Q2016, Session 10 – Business Registers

June 2016

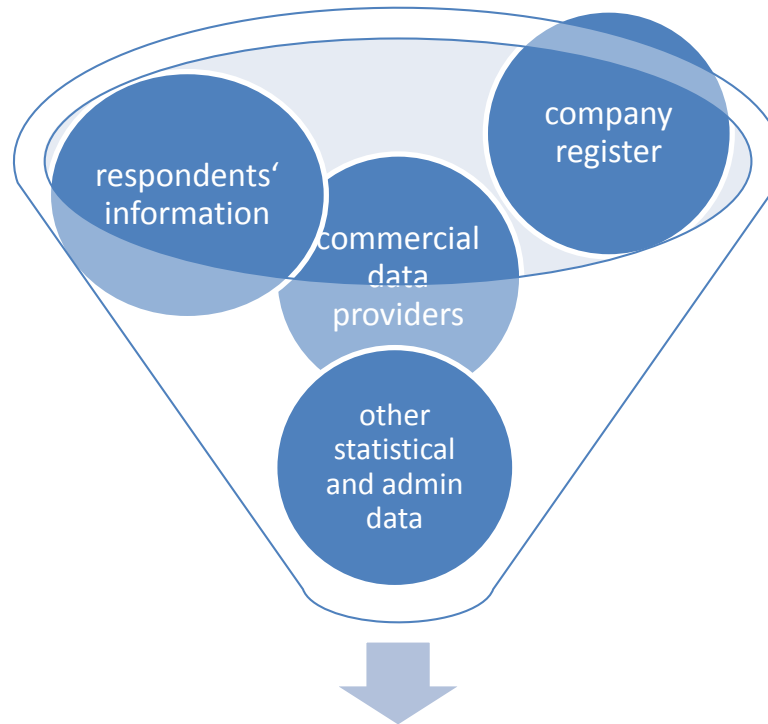


- ✓ Problem statement and Status quo
- ✓ ESBRs Business Architecture: what and why?
- ✓ ESBRs target architecture
- ✓ Quality improvements by validation of cross-border relationships



Source: ESBRS Profiling Documentation

What we normally know about cross-border relationships in national BRs ...



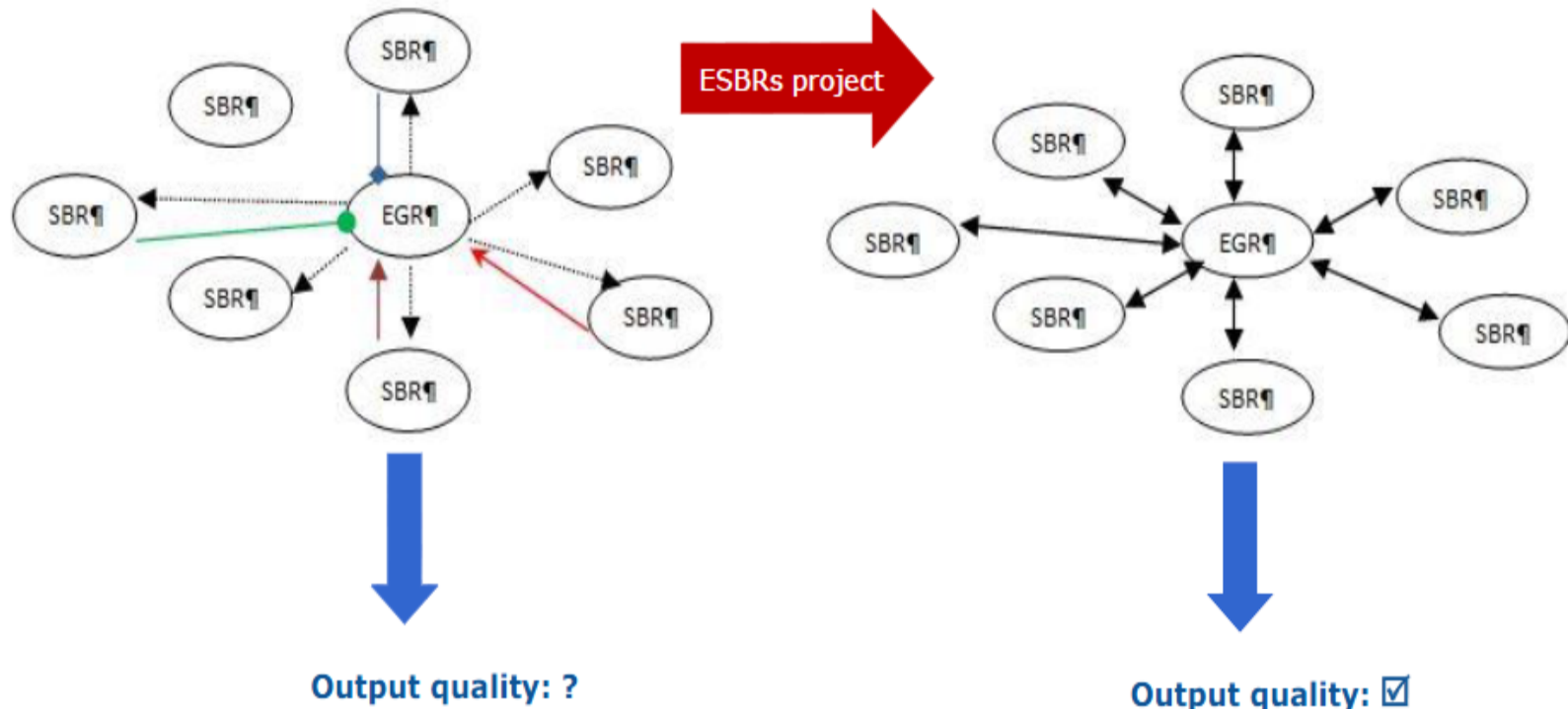
**...not necessarily gives a
consistent picture!**

AS-IS:

- Parallel national registers
- Role of EGR to be improved
- NSIs cannot control inconsistencies
- Profiling information not included

TO-BE:

- More interoperable national SBRs
- Interactive EGR in the centre
- Globalised approach to business statistics
- Profiling information can be included



Source: ESBRS Business Case v3.2, March 2015

1. *“Business Architecture describes the product and/or service strategy, and the organizational, functional, process, information, and geographic aspects of the business” (TOGAF, version 9.1)*
2. *An “enterprise architecture aims to create an environment which can change and support business goals. It shows what the business needs are, where the organization wants to be, and ensures that the IT strategy aligns with this. Enterprise architecture helps to remove silos, improves collaboration across an organisation and ensures that the technology is aligned to the business needs. This work will enable them to standardise their organisations”. (ESS Enterprise Architecture Reference Framework – ESS EARF)*

→ESBRs Business Architecture is an elaboration of ESS EARF for the domain of statistical business registers in the EU/EFTA area.

ESBRs Business Architecture aims to create an environment in which ESS goals (**ESS Vision 2020 and Riga Memorandum**) can be supported:

- ✓ *'...emphasise the fact that comprehensive, up-to-date and interoperable statistical business registers serve as a potential backbone for integrated business statistics...'*
- ✓ *'...the implementation of a unique identifier for European legal units relevant for statistical purposes...'*
- ✓ *'...better understanding of the structure of enterprise groups....cross-country collaboration and the exchange of enterprise micro-data in certain specific cases like the EuroGroups Register....potential to improve the measurement of globalisation activities...'*
- ✓ *'...exchanges need to be cost-effective....should explicitly consider aspects of quality as well as burden on businesses and on NSIs when compared with alternative approaches...'*

ESBRs BA is an architecture:

- ✓ Allowing **'interoperability'** and information sharing between semi-autonomous de-centrally organized statistical business registers.
- ✓ NSIs have the autonomy to design and operate their own solutions, as long as they have the ability to exchange information and operate together effectively.
- ✓ **Interoperability** is ability:
 - ✓ to exchange and share information;
 - ✓ to use shared information;
 - ✓ to use shared services enabling effective operations



ESBRs vision:

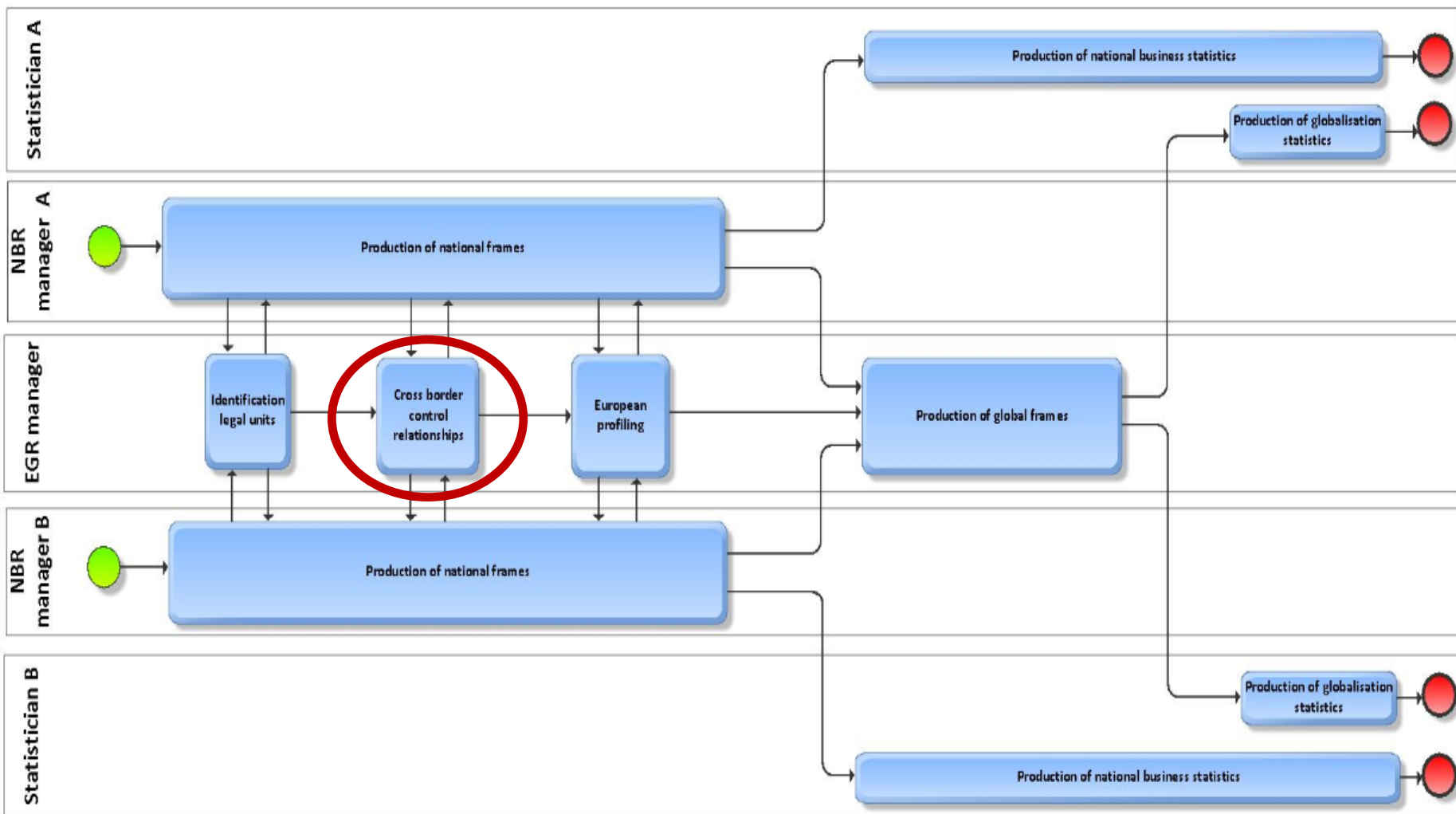
In 2020 ESBRs is established as a complete and **consistent** European system of **interoperable business registers** consisting of National Business Registers (NBRs) and the Euro Groups Register (EGR) able to produce **national and global frames** which are accepted and used as **backbone** for **national business statistics** as well as **globalisation statistics on EU level**.

ESBRs aims at the creation of:

1. **National frames:** on statistical unit ‘enterprise’ able to be/used as ‘backbone’ for national business statistics
2. **Global frames:** on statistical units ‘global enterprise group’ and ‘enterprise’ able to be/used as ‘backbone’ for globalisation statistics
3. **Legal unit identification** infrastructure: uniquely (world-wide) identified legal units keeping information on identifiers used in statistically relevant data sources (e.g. FDI, TEC, STEC) enabling combining data with data on statistical units ‘global enterprise group’ and ‘enterprise’.

ESBRs target architecture (4)

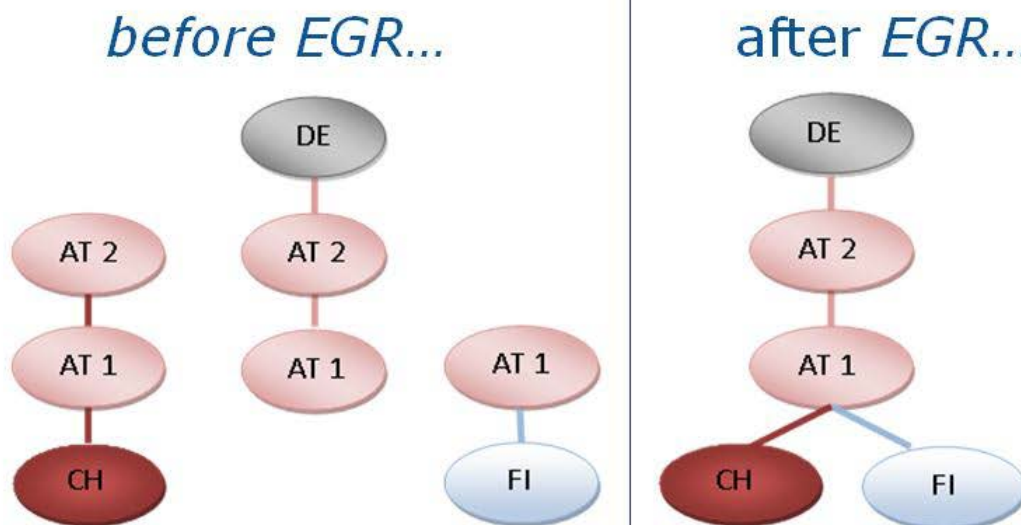
ESBRs process



A=EU/EFTA country A B=EU/EFTA country B



Example: before and after EGR (3)



Source: Eurostat / EGR wiki

European Commission

EuroGroups Register Identification Service

European Commission > EGR Identification Service

Online identification | Batch identification | Datasets management

Identifying data

Country * Name National ID DUNS BVD ID

CROATIA (HR) Podravka DD

[Show advanced search](#)

[Run identification](#)

Data sources

1. LEID Database

Identification process

LEID Database (Number of matches: 20)

SOURCE	COUNTRY	NATIONAL ID	DUNS ID	BVD ID	NAME	CITY	SIMILARITY	ACTION
NSA_NA_HR_BR	HR	18928523252		HR3454088	PODRAVKA DD	KOPRIVNICA	100.0%	i
NSA_NA_HR_BR	HR	52935153496			KORANA DD - U STECAJU	KARLOVAC	67.0%	i
NSA_NA_HR_BR	HR	56994999963			JADRAN DD	CRIKVENICA	66.0%	i
NSA_NA_HR_BR	HR	29735620766			SONIK DD	VINKOVCI	60.0%	i
NSA_NA_HR_BR	HR	58701507957		HR3005372	COLAS HRVATSKA DD	VARAZDIN	60.0%	i

- ✓ Complete and validate information
- ✓ Sharing available information from national sources with NSI of foreign legal unit
- ✓ Sharing and validating information on status of legal units: GDC status, country of GDC, position in chain, ...
- ✓ NSI of country of residency of subsidiary responsible for initiating validation action

- ✓ **(Design) Decisions on interoperability framework**
- ✓ **Institutional framework**
 - ✓ roles
 - ✓ responsibilities
 - ✓ processes
 - ✓ steering & governing bodies
- ✓ **Rules for validation (methods)**
- ✓ **Tools for validation (shared services)**

ESSNET ON A EUROPEAN SYSTEM OF INTEROPERABLE STATISTICAL BUSINESS REGISTERS

ESBRs Phase 1 (2014 – 2016)

ESSnet ESBRs – Phase 1

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We appreciate your feedback!

