

Spatialist Case Studies

Overview

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■ Business process

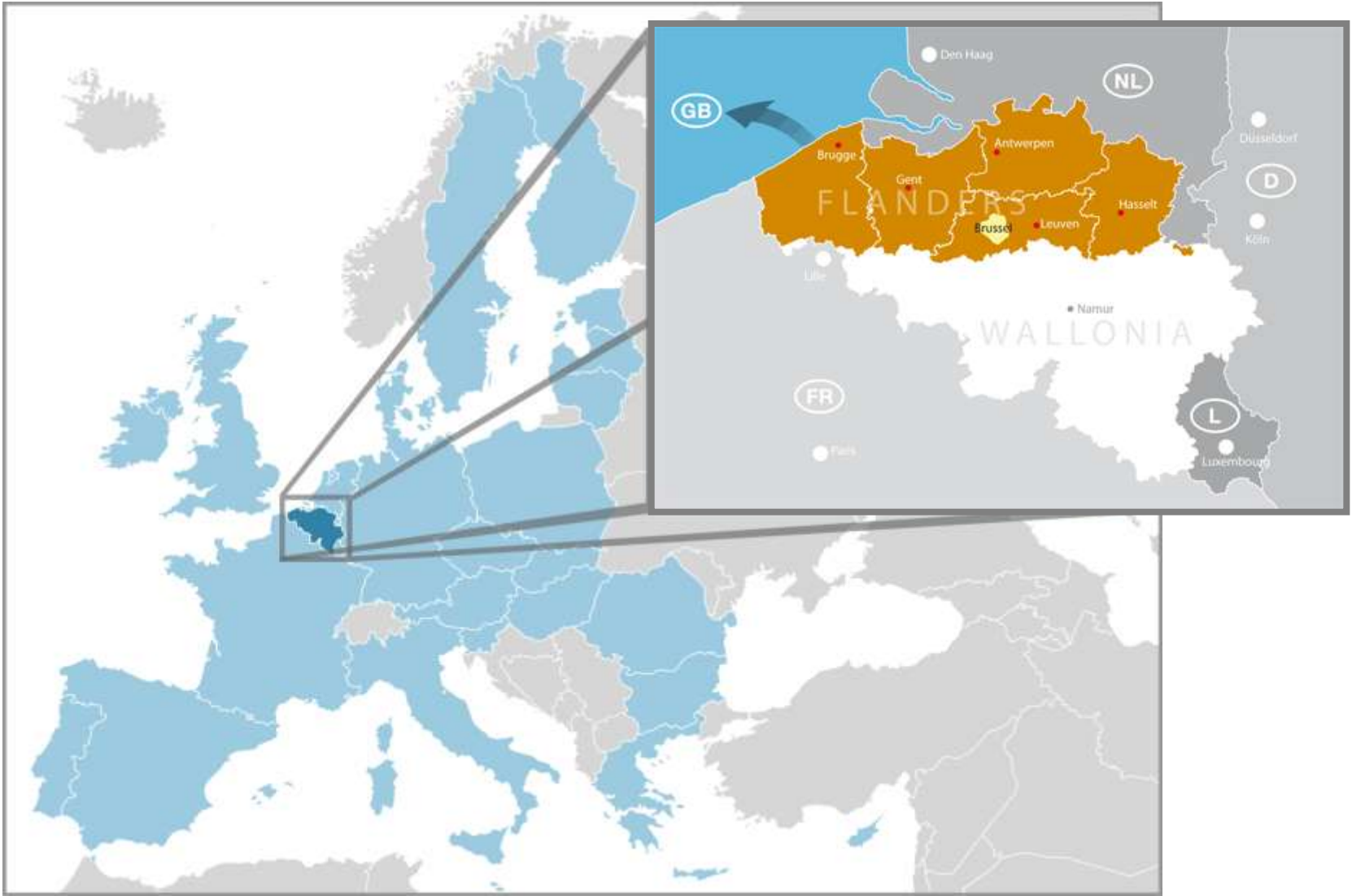
- Spatial data access, use and exchange takes place in a network of business processes, within and between organisations
- Reference for the effectiveness of an SDI
 - Supportive nature of infrastructures
 - Supporting the goals of the users
 - → realisation of SDI goals takes place in the processes of the SDI stakeholders

Case studies

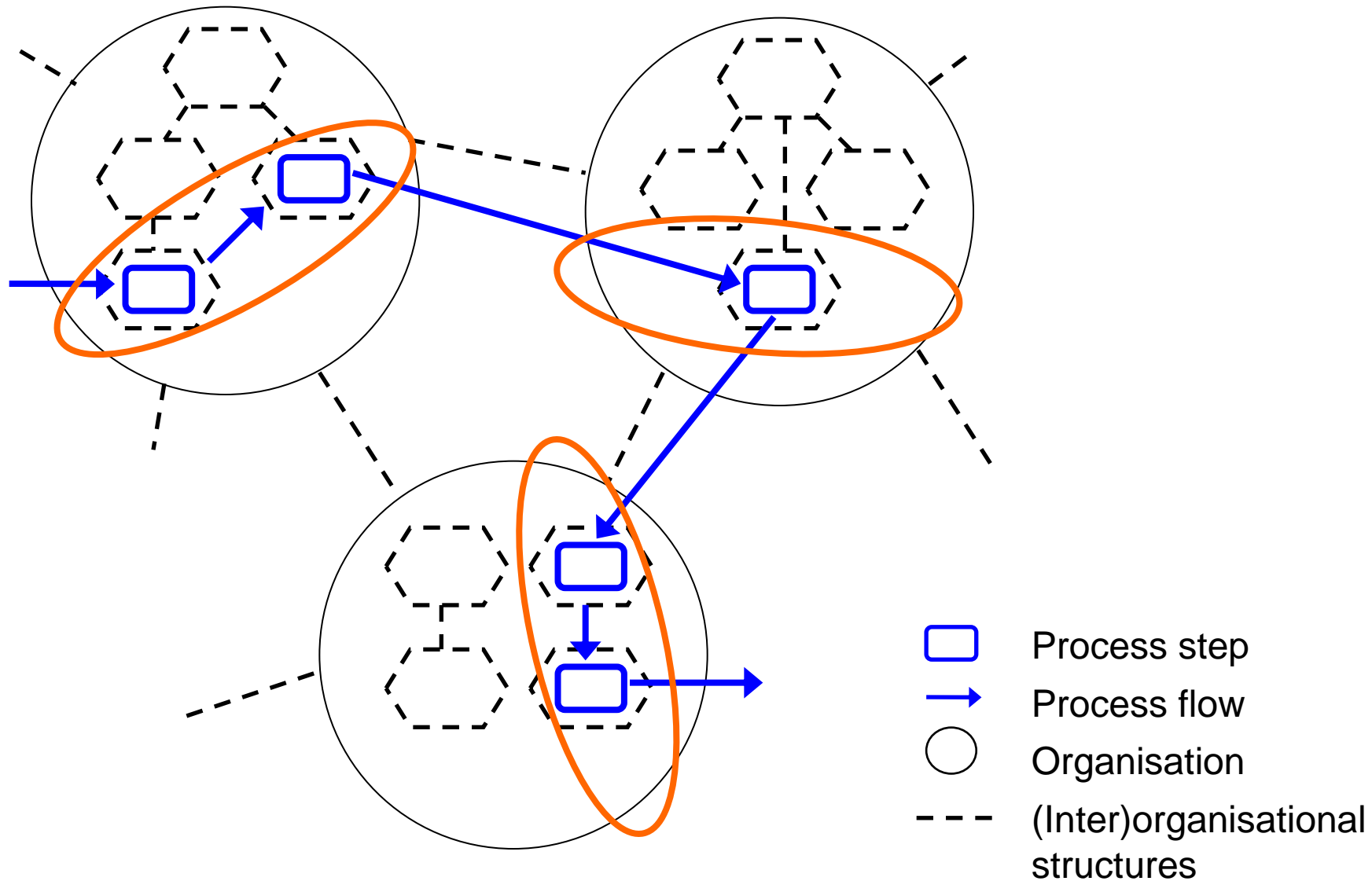


- Case = a process between and within government organisations, in which spatial data are acquired, used and distributed.
- 4 cases
 - Spatial zoning plans
 - Address management
 - Traffic accidents registration
 - Flood maps

Study area: Flanders (Belgium)



Case and embedded cases



Embedded cases



Case	Embedded cases
Spatial Planning	3 municipalities, 2 provinces, regional spatial planning department
Traffic Accidents	3 local police departments, 2 provinces, regional mobility department, federal police, national statistics agency
Addresses	3 municipalities, 2 provinces, regional SDI agency, federal register
Flooding Maps	3 municipalities, 2 provinces, regional water department, 1 field organisation

Spatial zoning plans case

- Region, provinces and municipalities
- Graphical plan + regulations
- Strong differences
 - Length of procedure
 - Complexity
 - Extent of planning area
 - Number of stakeholders
 - Political consent
- → unpredictable, non-standardised process

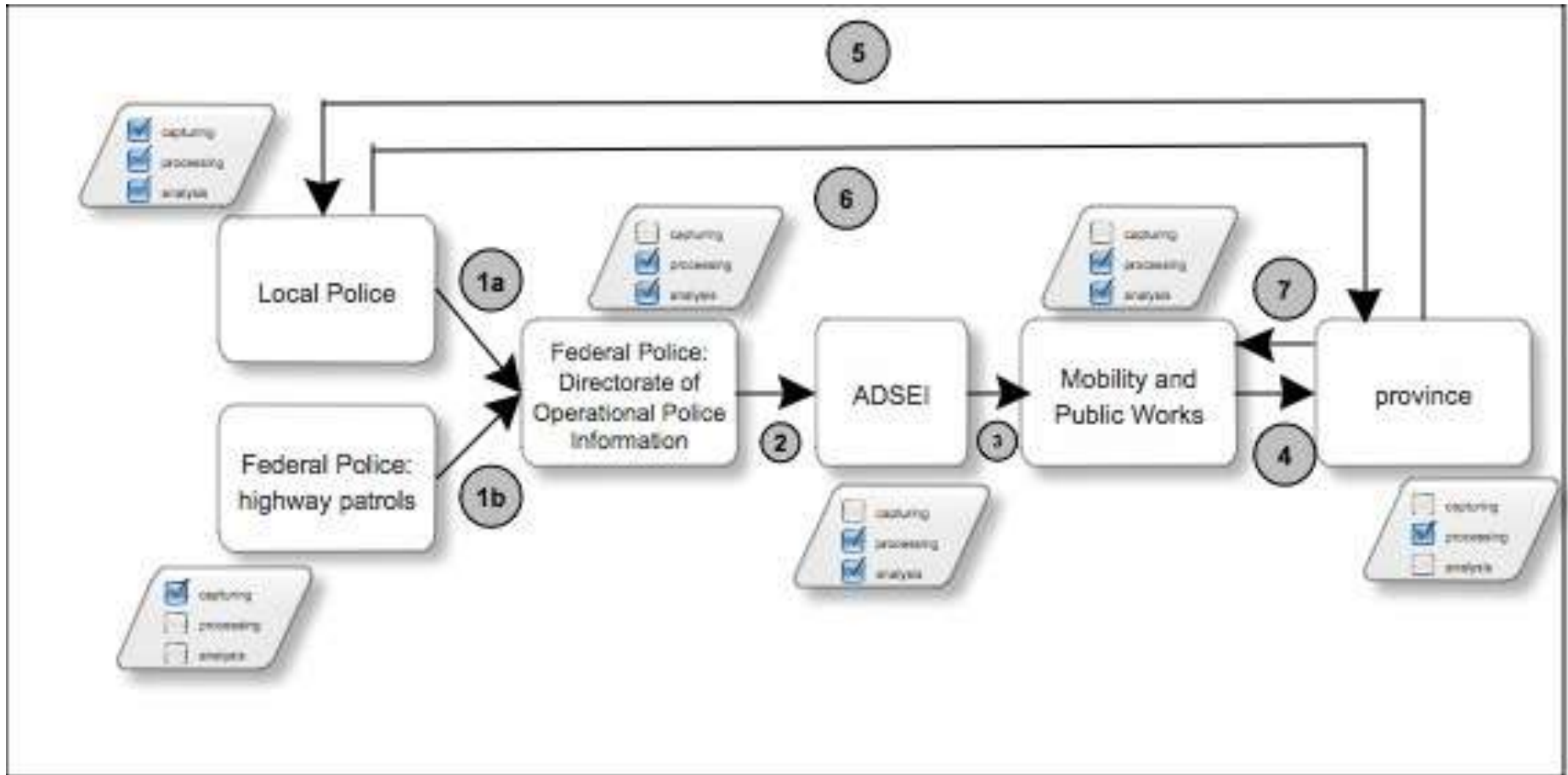


The Addresses case

- Address management in support of concrete processes
 - Population registration
 - Environmental permit delivery
 - Economic policy
- Municipalities & provinces



The Traffic Accidents case



The Flood Maps case



- Compiling, updating, use and distribution of flood maps
 - Recently flooded areas
 - Flood modelling
 - Delineation of reservoir areas / basins



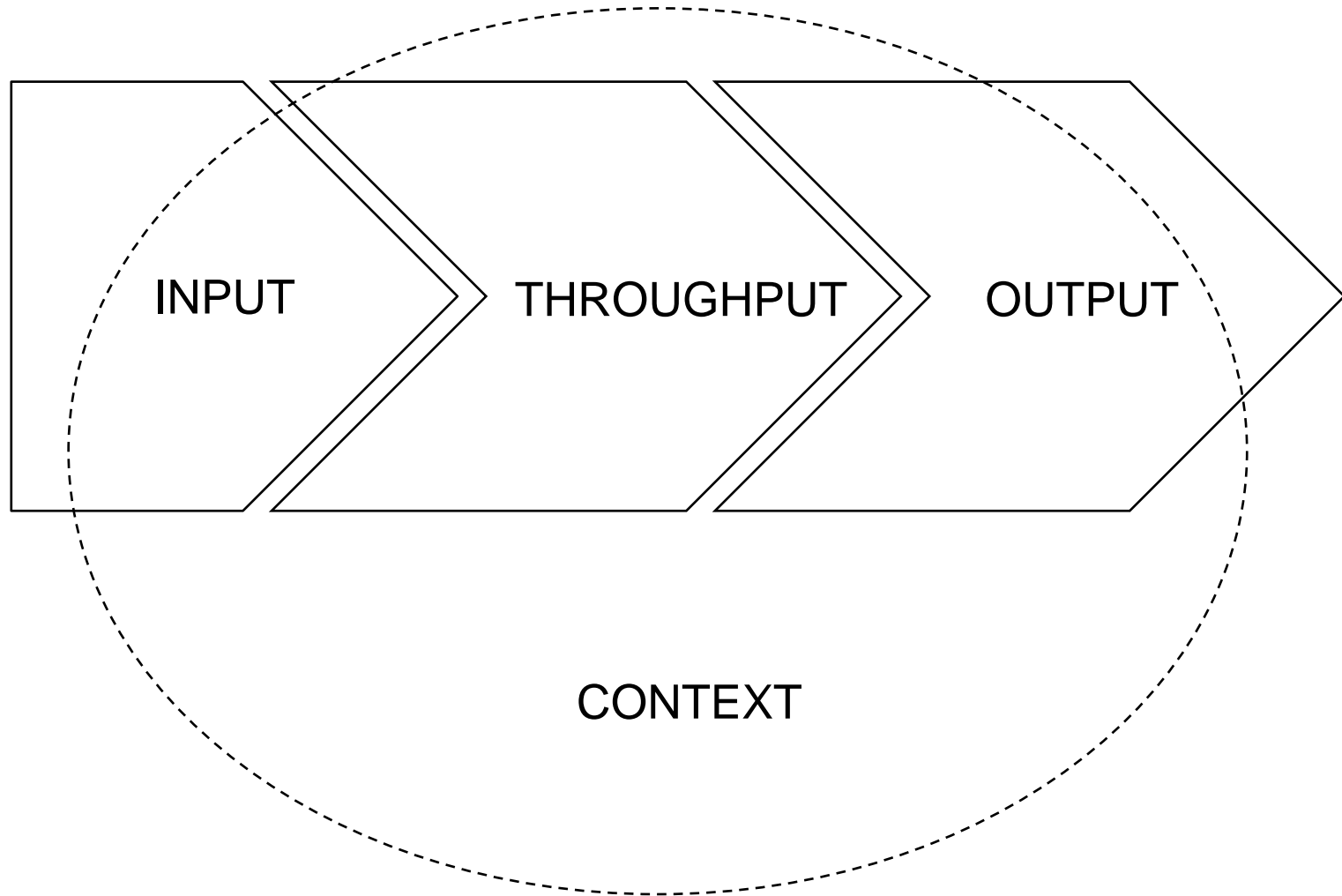
Analysis

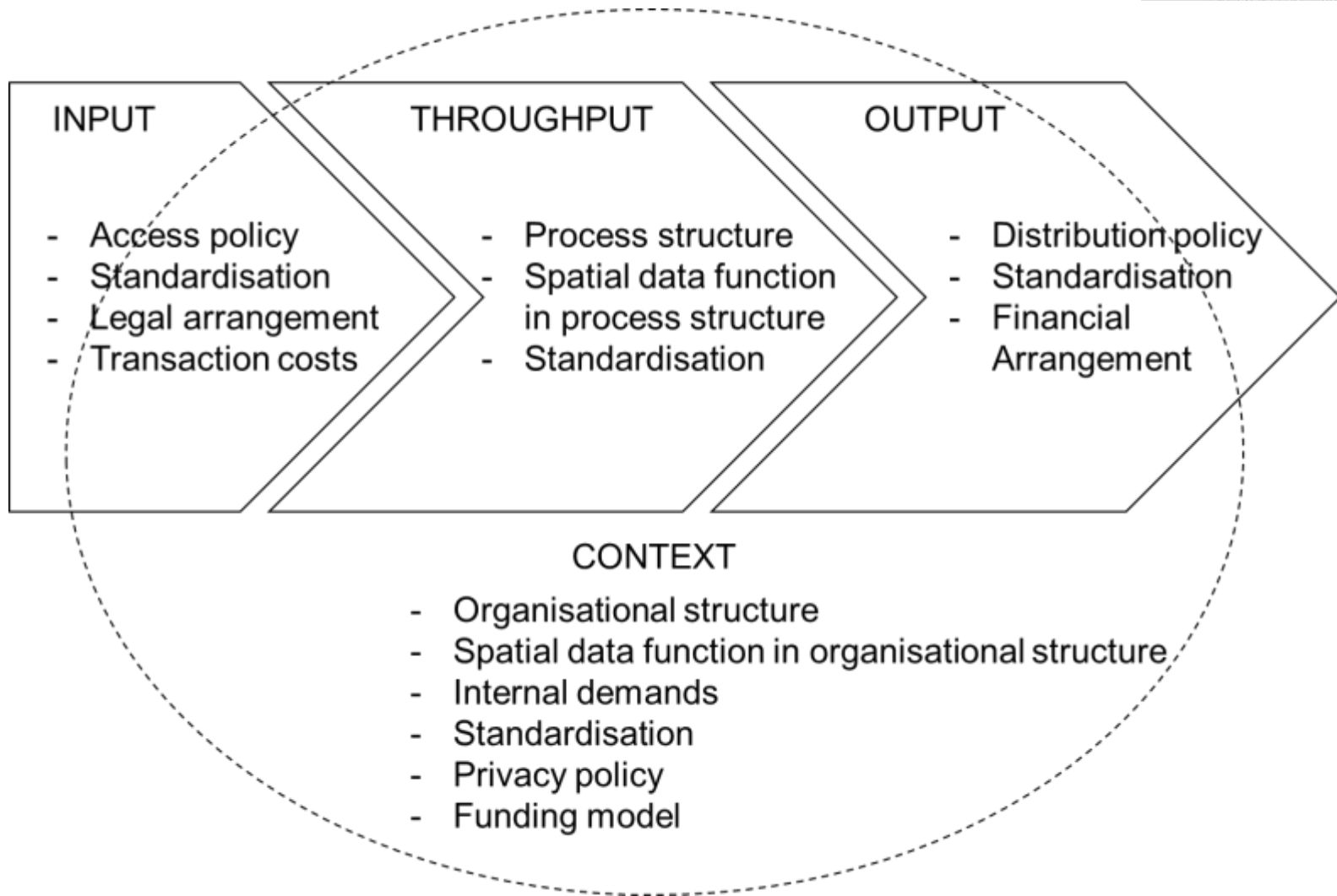


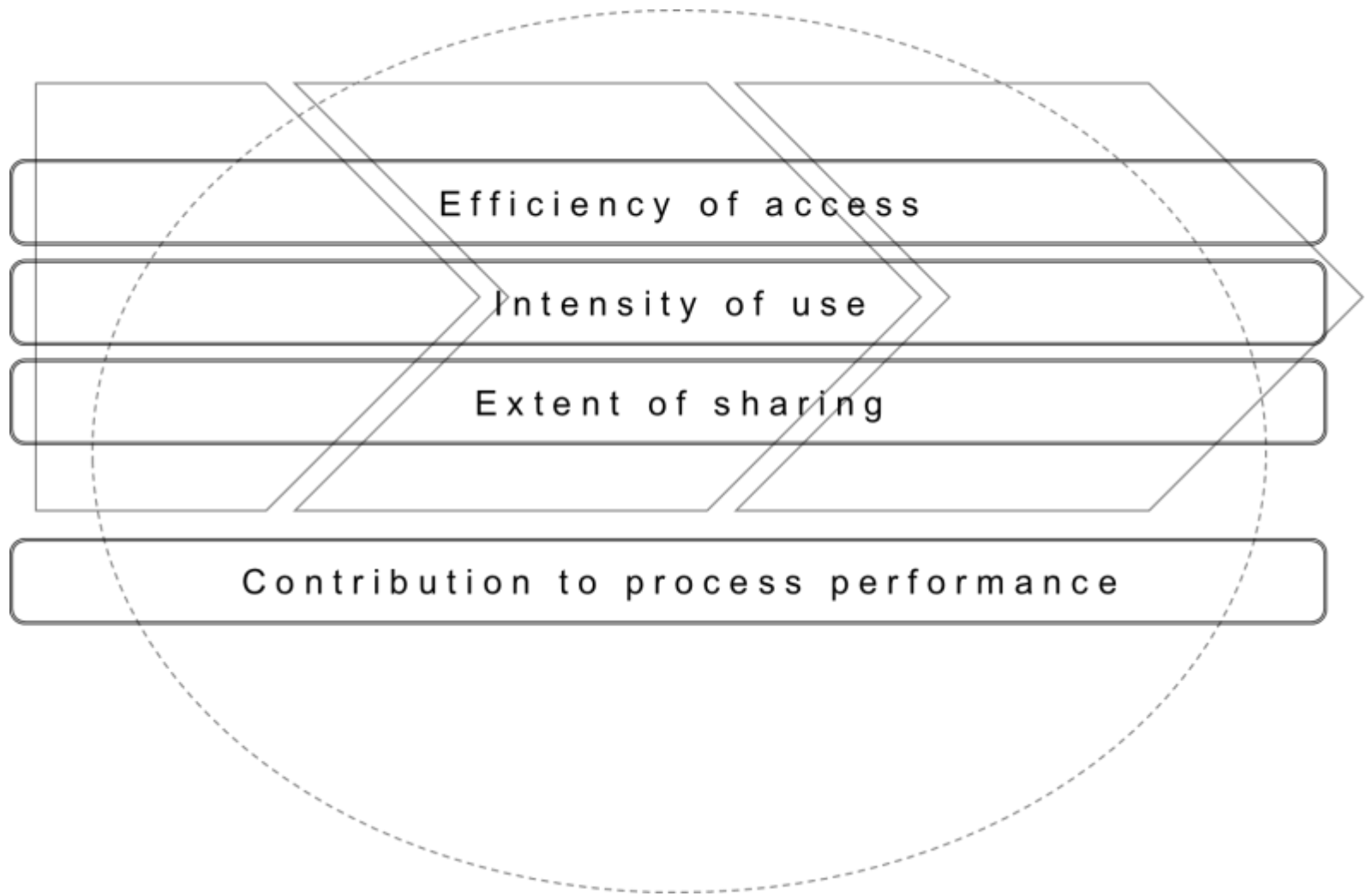
■ Two levels

- Comparing embedded cases
 - Within a case
 - Over the cases
- Comparing 4 cases

Process







Thank you



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