



Financial supervision in the digital age



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**Preparing supervisory
reporting for the digital age**
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summary

- a digitalised society - digital transformation of organisations
- challenges on financial supervision and interoperability
- interoperability issues
- Financial Data Standardisation
- technology innovation – data, blockchains and AI

digitalised society

- digitally enabled citizens and business challenge
- new processes shaping political priorities
- more coherent and integrated solutions for complex challenges
- innovation friendly (millennials)
- digital twins

digital transformation

- digital ecosystem, collaboration and partnership
- organisation reengineering and workforce skills
- digital platforms
- adoption of reference architectures and standards (interoperability, integration, information exchange)
- data to optimize, transform or create entirely new services, advanced analytics & artificial intelligence
- new business processes (predictive)

challenges on financial supervision

- changing expectations on supervisors ability to deliver public value
- digital supervision - data
- interoperability and standards
- risks – cybersecurity, control of data
- FinTech and technological innovation as drivers

interoperability issues

- identified as relevant factor on compliance costs
- important amount of financial legislative acts
- multiple actors (regulators, supervisors, firms)
- main issues
 - difference in data formats
 - lack of modelling and reporting standards
 - lack of a common financial language
 - the lack of interoperability

data for superior insights

- data → information → knowledge
- everything depends on data
- curation and control
- semantic interoperability

fragmentation and interoperability

sector

geographical boundaries

mind my business

mind my IT

not fully digital

organisation/data exploitation

everywhere

format

management

security

EIF - European Interoperability Framework

the EIF is

a commonly agreed
approach

to the delivery of
European public
services

in an interoperable
manner

defines
interoperability
guidelines

common principles

models

recommendations

provides
guidance

governance of
interoperability
activities

establishing cross-
organisational
relationships

streamline process
supporting end-to-
end digital services

ISA² – the interoperability programme

Promote a holistic approach to interoperability

Cross border, cross sector and user centric public administrations

Identify, create and operate interoperability solutions

Facilitate the reuse of interoperability solutions by European public administrations

EIF - interoperability layers



Legal interoperability



Organizational interoperability



Semantic interoperability



Technical interoperability

FISMA FDS and the ISA² programme

- Financial Data Standardisation (FDS): a project in the right direction regarding digitalisation of public administrations and interoperability
- full support of the ISA² programme
- looking forward the future Financial Core Vocabulary

CORE
BUSINESS
VOCABULARY

CORE
LOCATION
VOCABULARY

CORE
PERSON
VOCABULARY

CORE
PUBLIC
SERVICE
VOCABULARY

CORE
CRITERION &
EVIDENCE
VOCABULARY

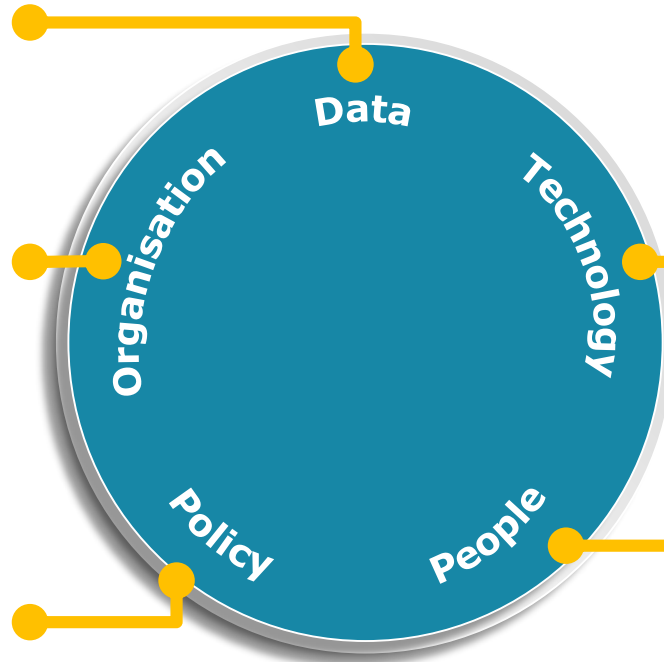
CORE
PUBLIC
ORGANISATION
VOCABULARY

data ecosystem

Internal and external data sources need to be exploited as much as possible to generate evidence supporting decisions

Roles and responsibilities need to be clearly defined within the organisation if data and technologies needs to be shared and re-used

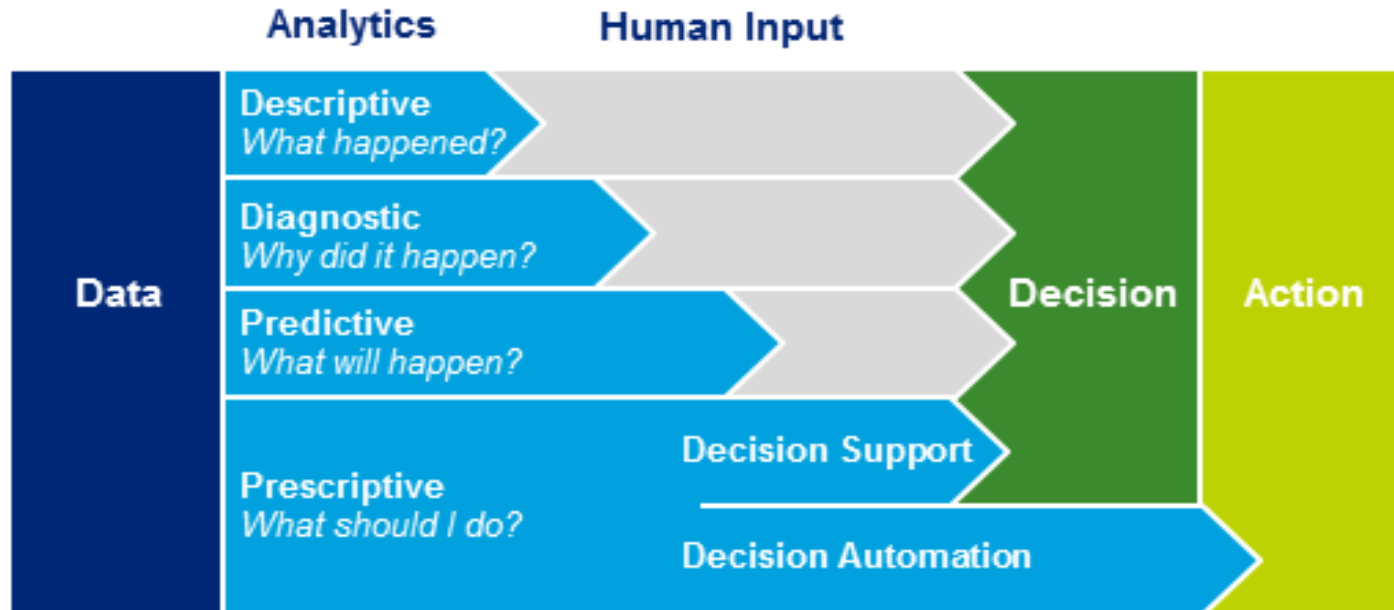
Policies need to be defined/enforced to ensure security and quality of data, and to promote and control its flow within/outside the organisation



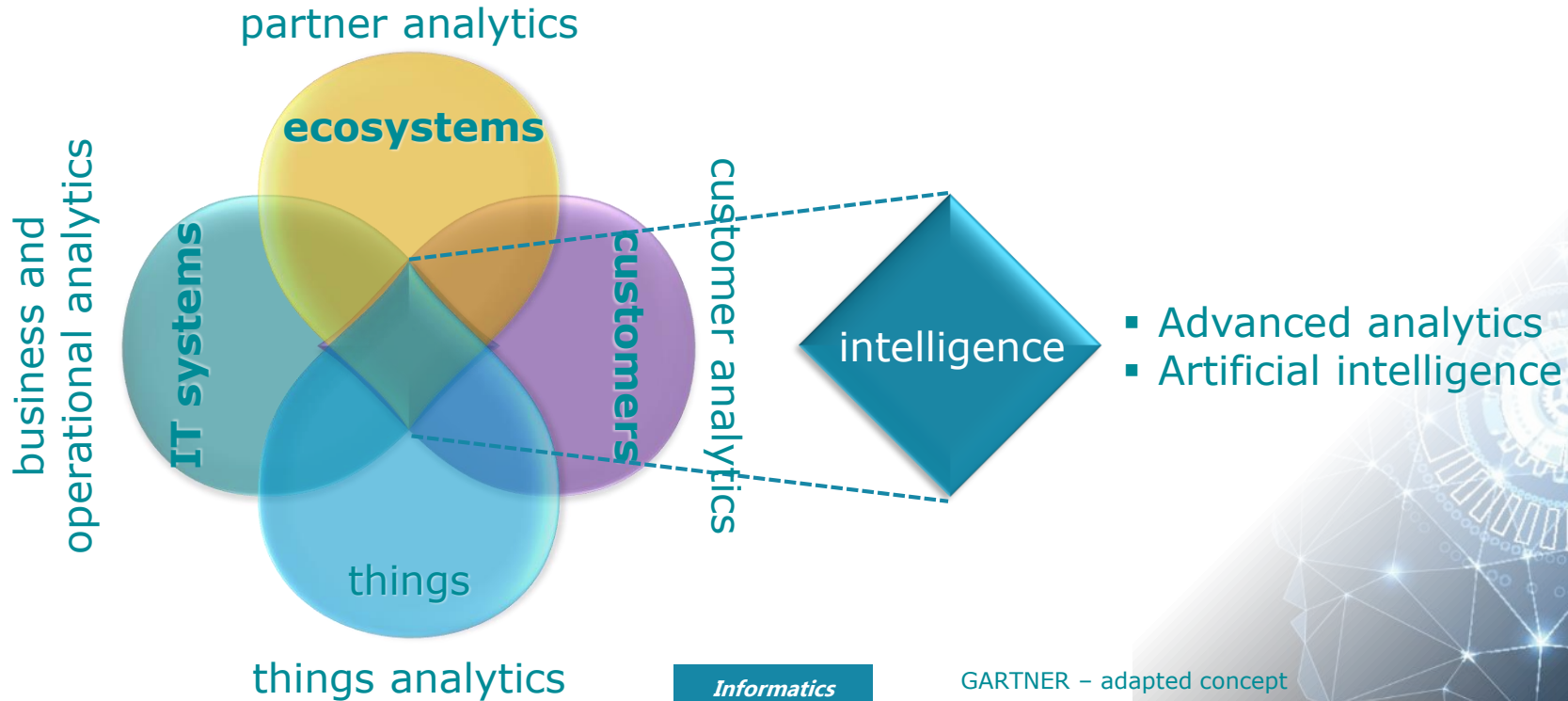
Improving the technological landscape is essential to generate insights rapidly and effectively

The right people with the right skills need to be made available to the organisation

data for policies



intelligence central to digital platforms



thank you



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