

Conclusions

“Get into SWIM” session

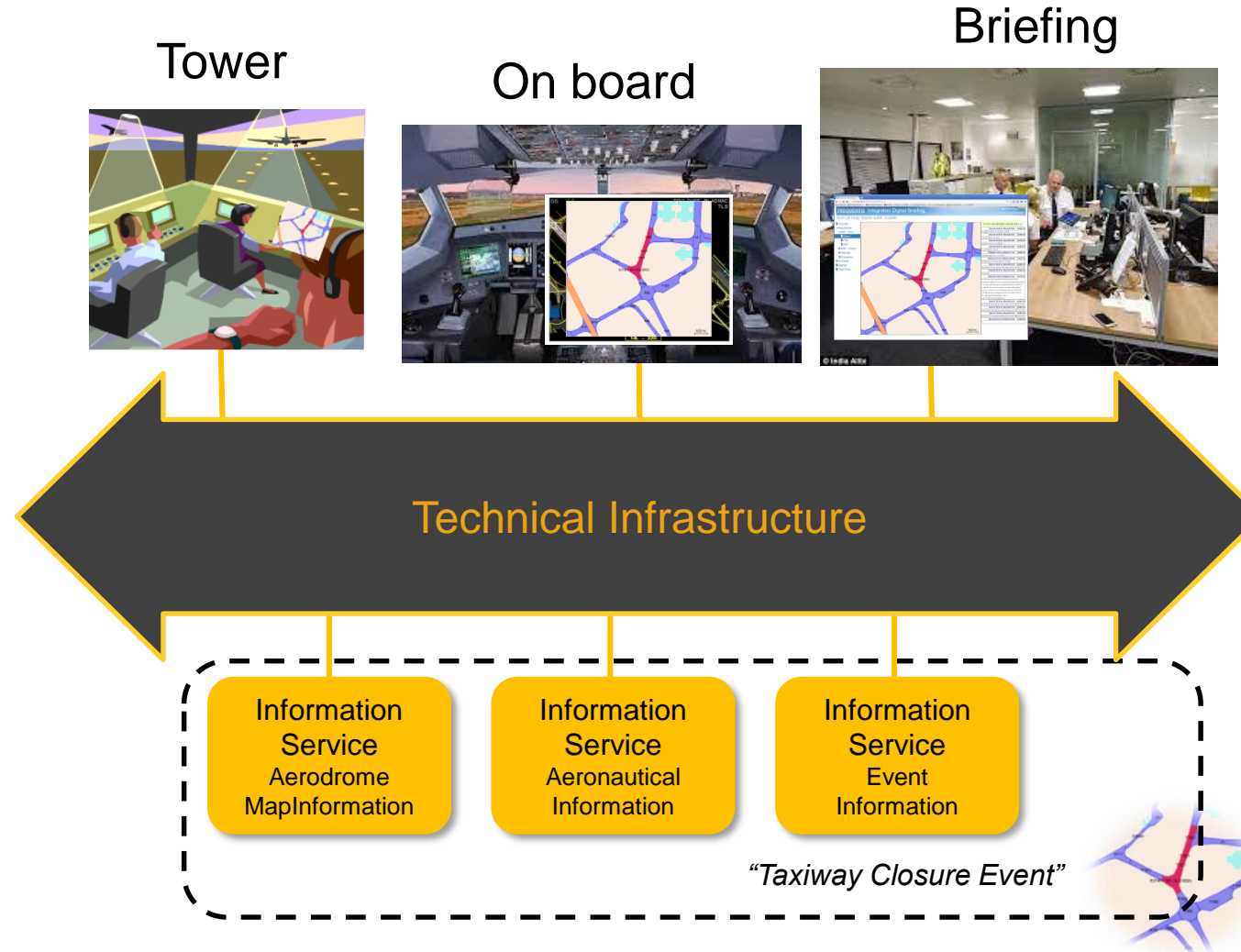
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22nd May 2019

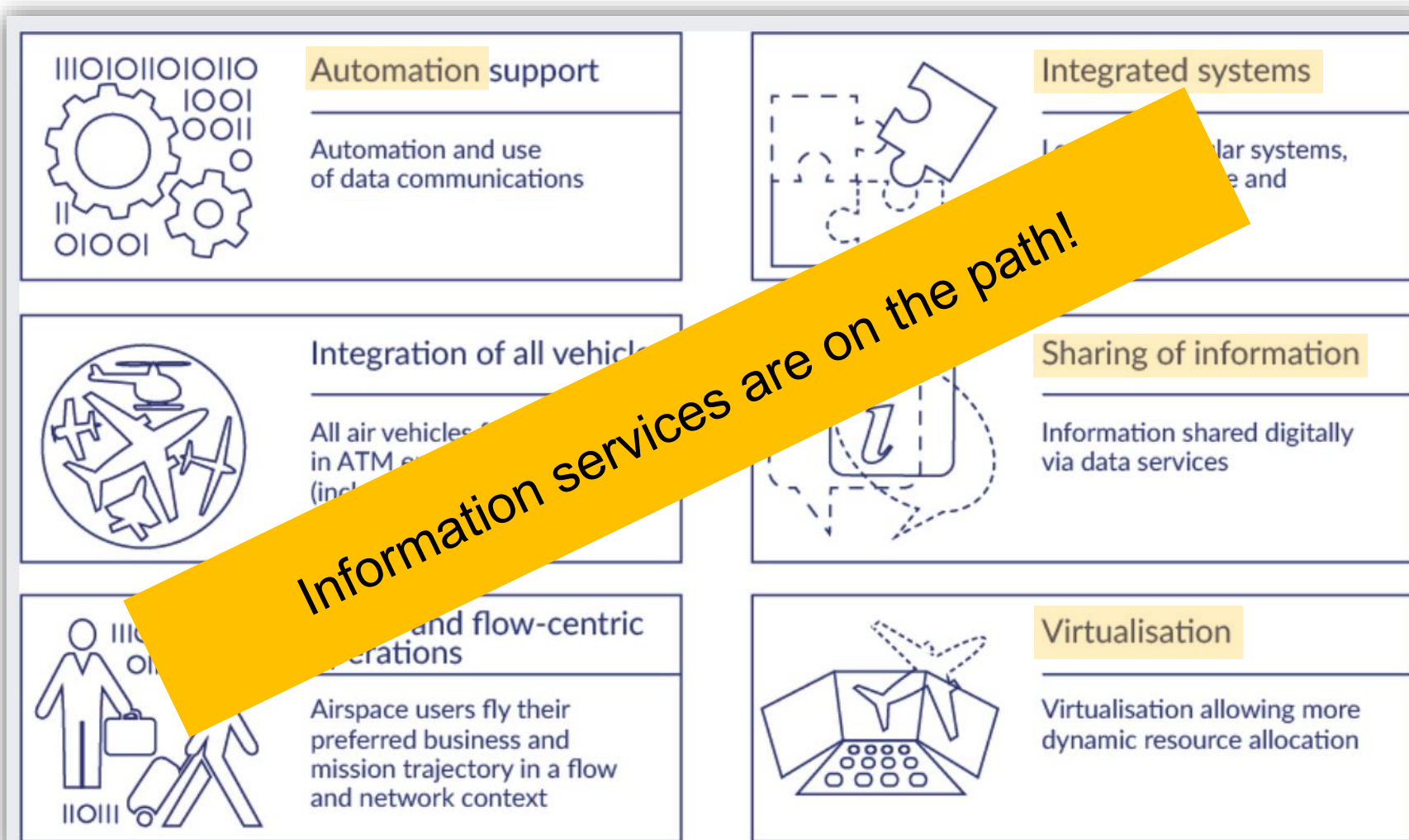
Information Service?

The means to standardise information exchange and collaborate. The glue.



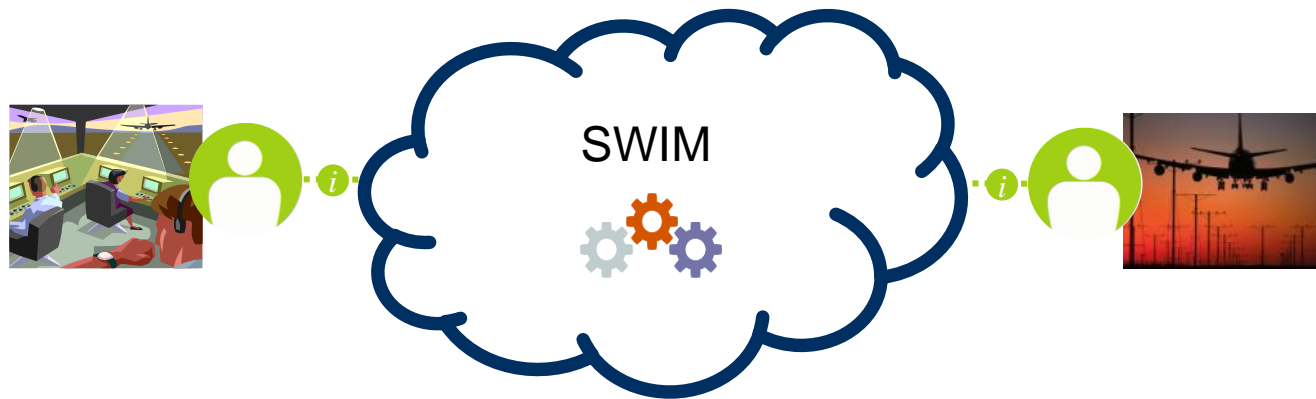
SESAR vision to modernise ATM

<https://www.sesarju.eu/index.php/vision>

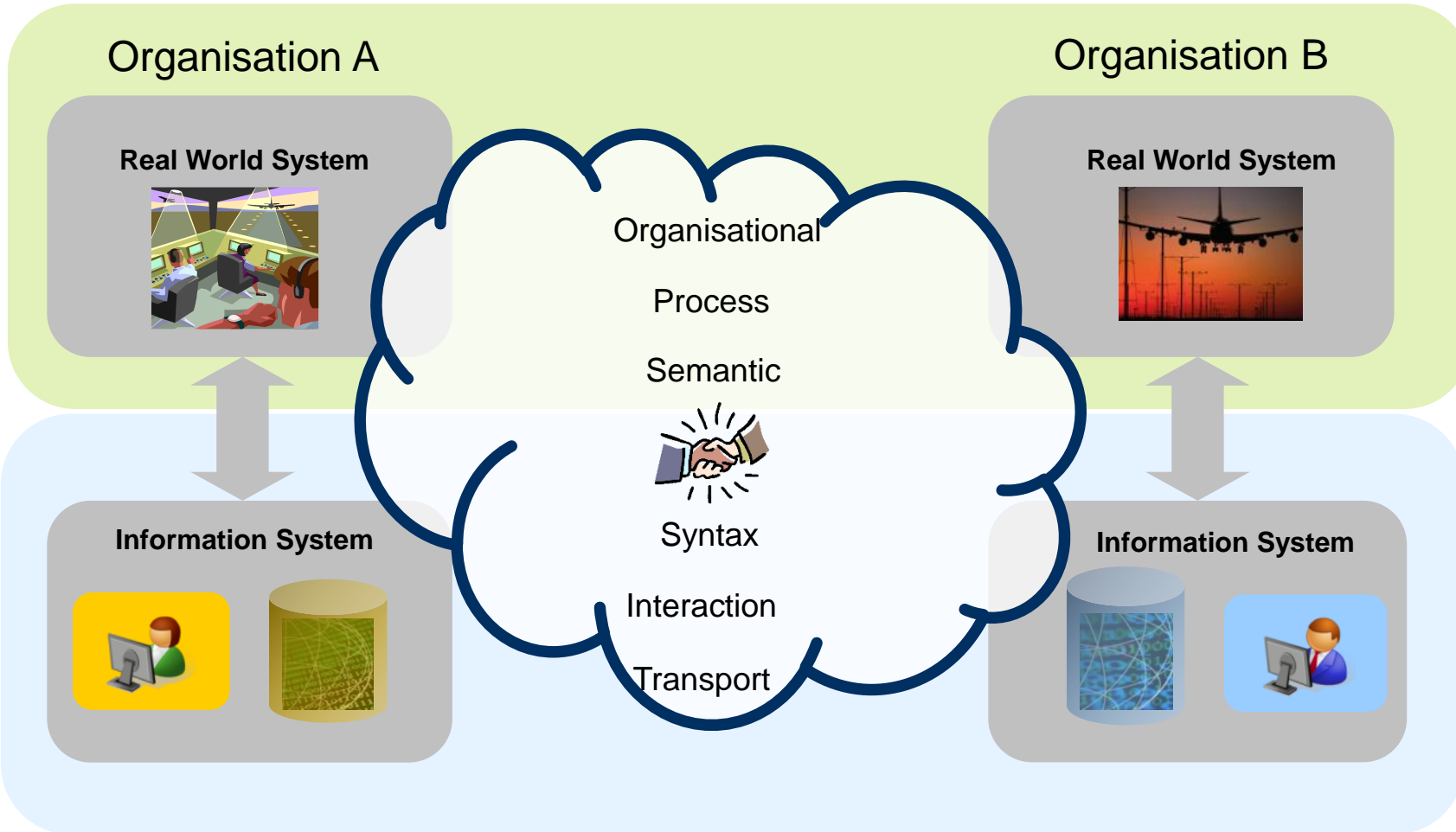


ATM modernisation depends on Information Management

A major part in the realisation of ATM modernisation is about agreeing and standardising the interaction and information exchanges between ATM stakeholders to make them **interoperable** based on SWIM.



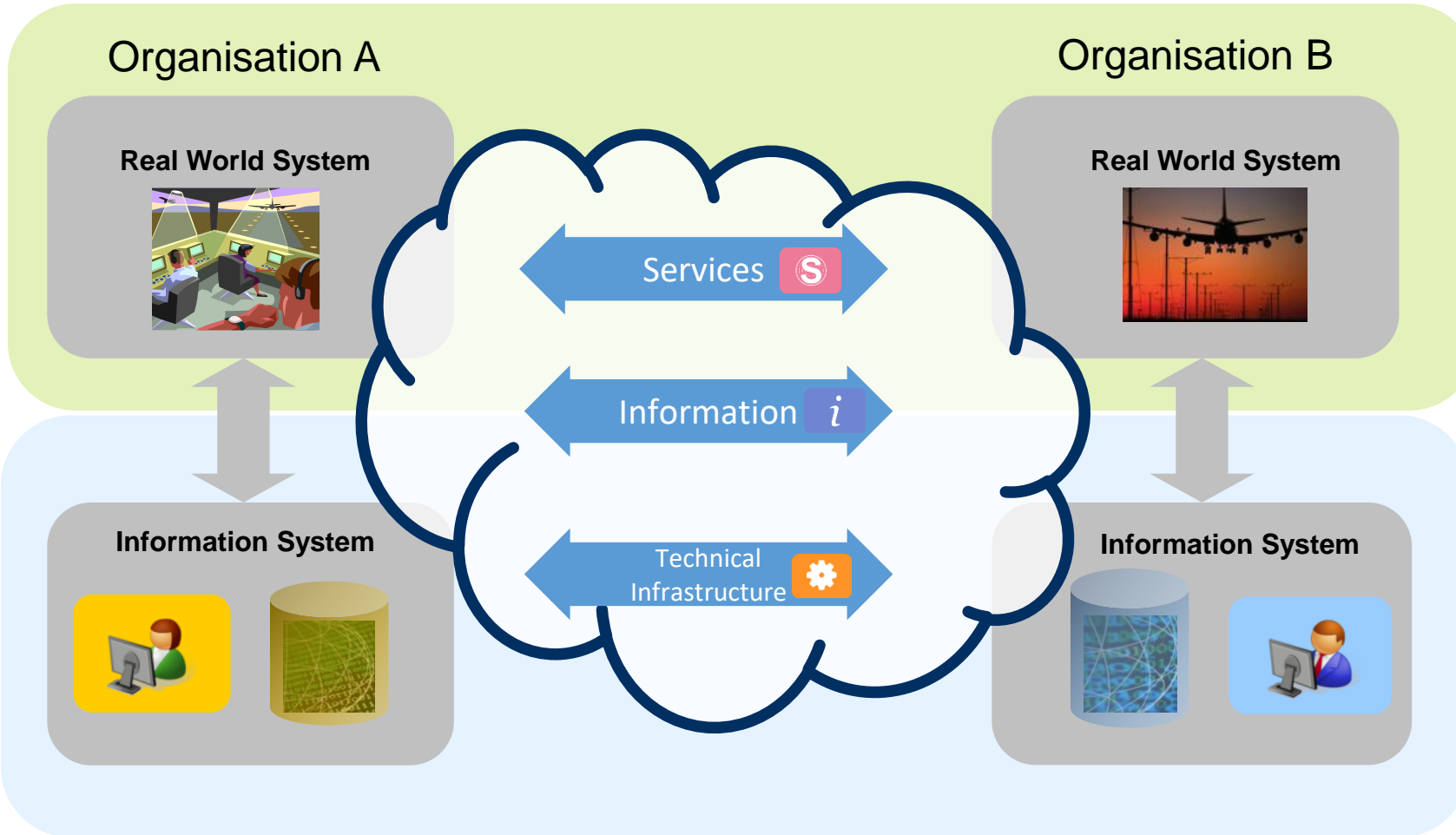
Interoperability at multiple levels



Interoperability has to be tackled at multiple **alignment** levels.



Eurocontrol SWIM specifications

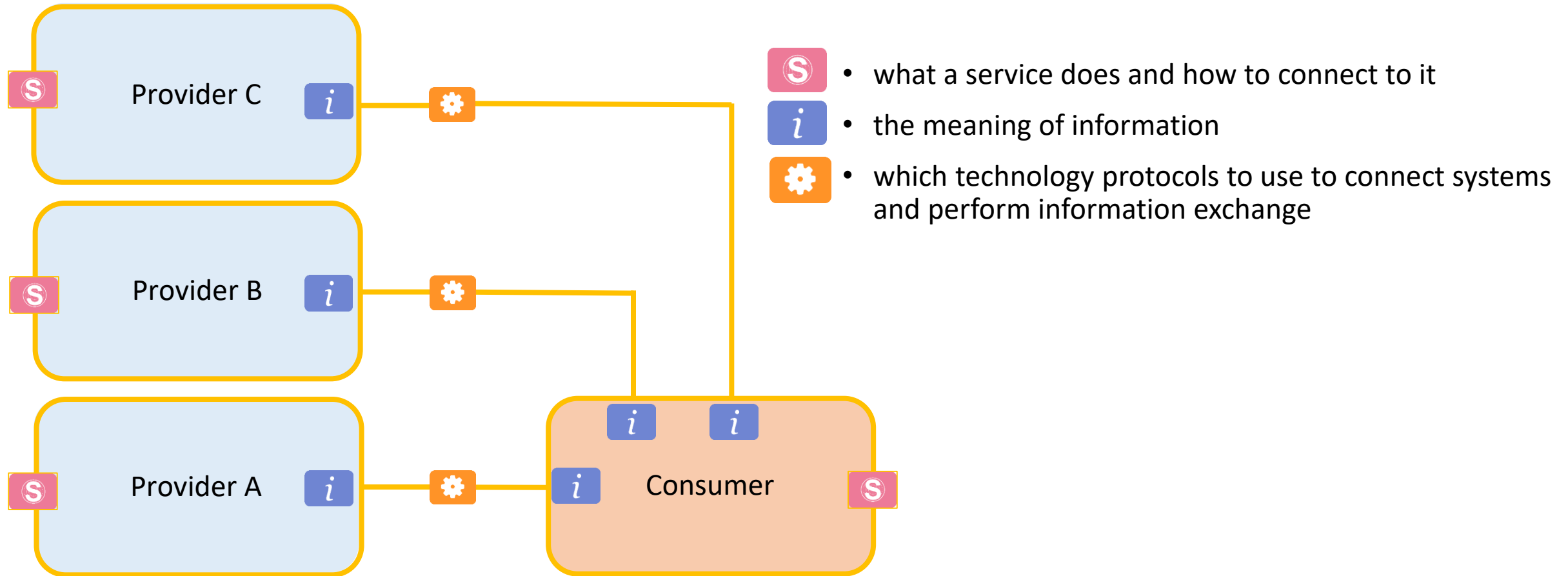


In SWIM interoperability is tackled at three alignment levels:

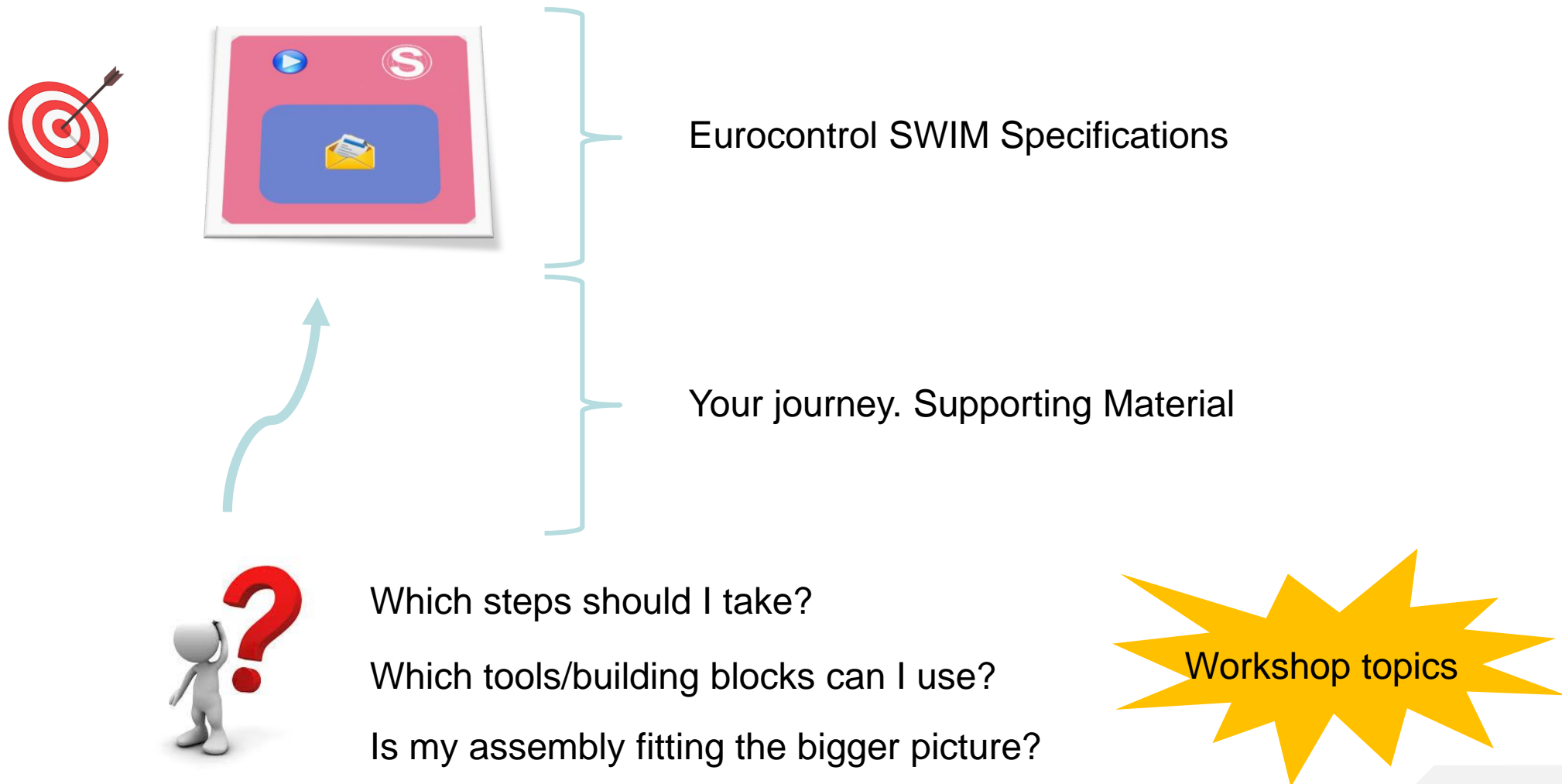
- Services
- Information
- Technical Infrastructure

Requirements for each of the alignment levels are captured in specifications.

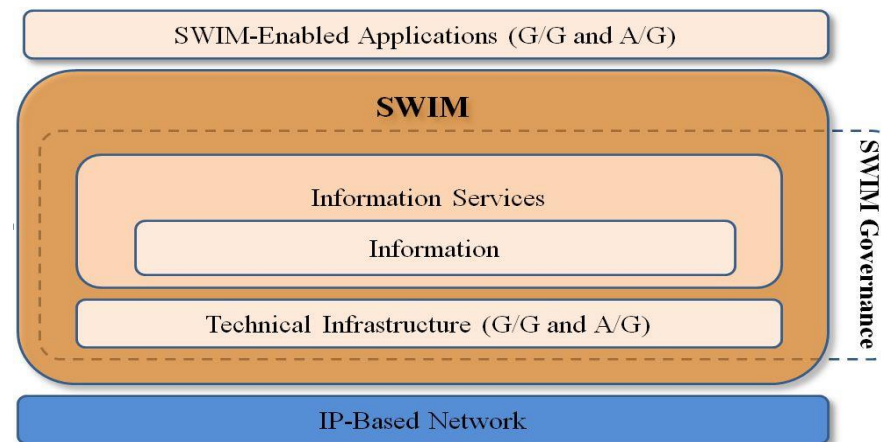
Conformance to SWIM specifications increases “interoperability”



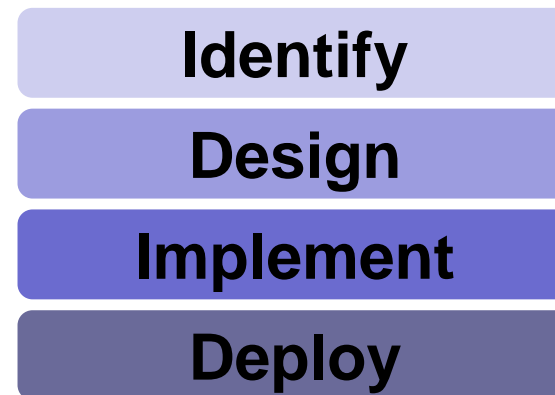
Hands-on building services collaboratively



Three perspectives

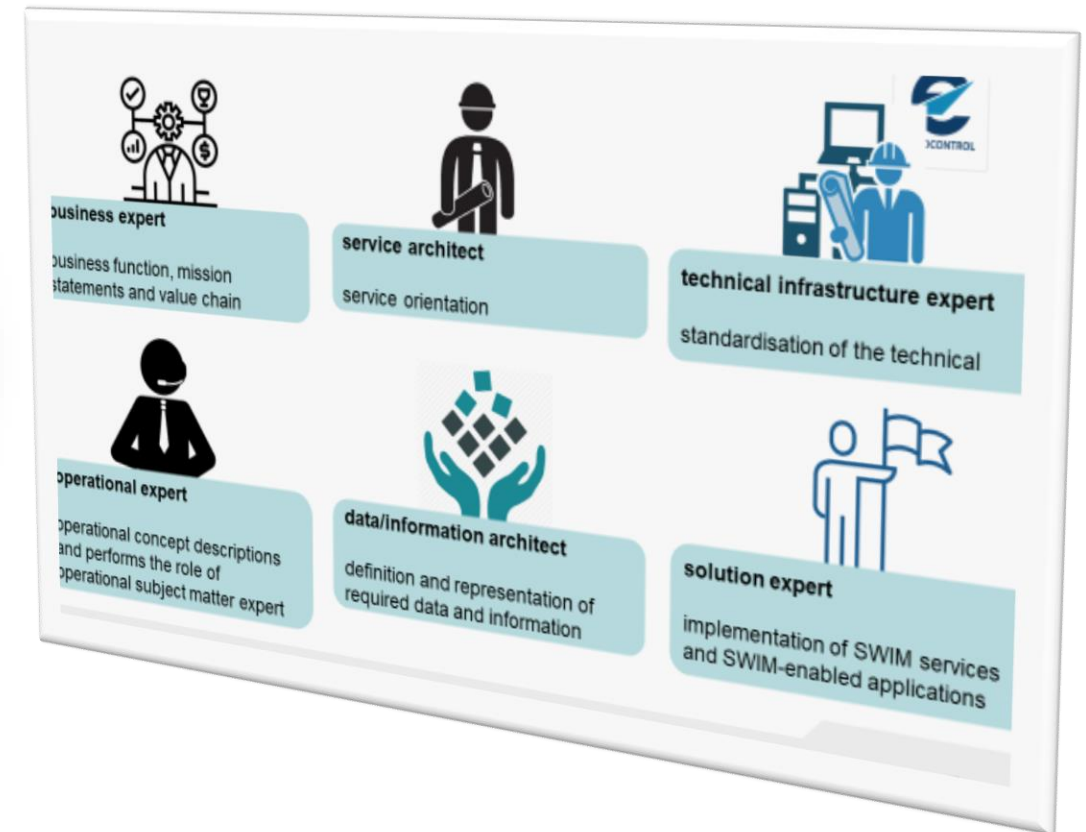
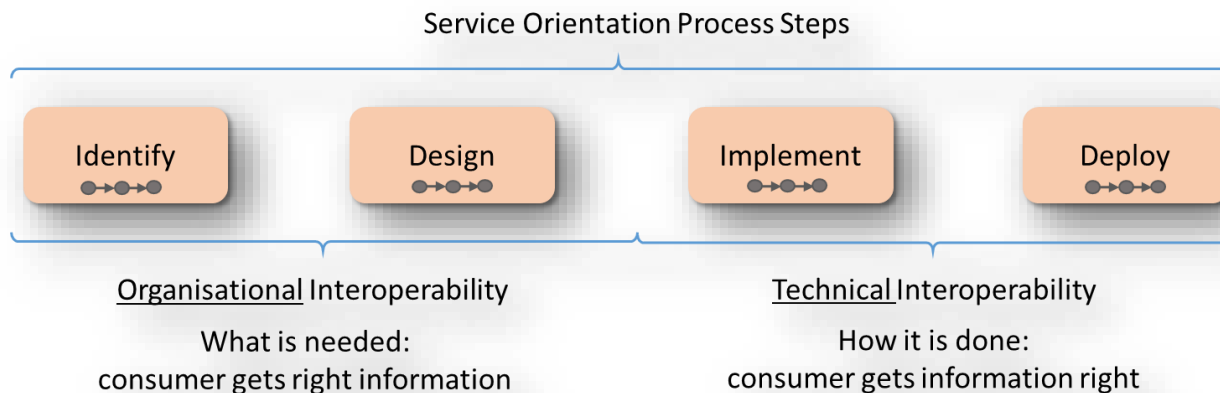


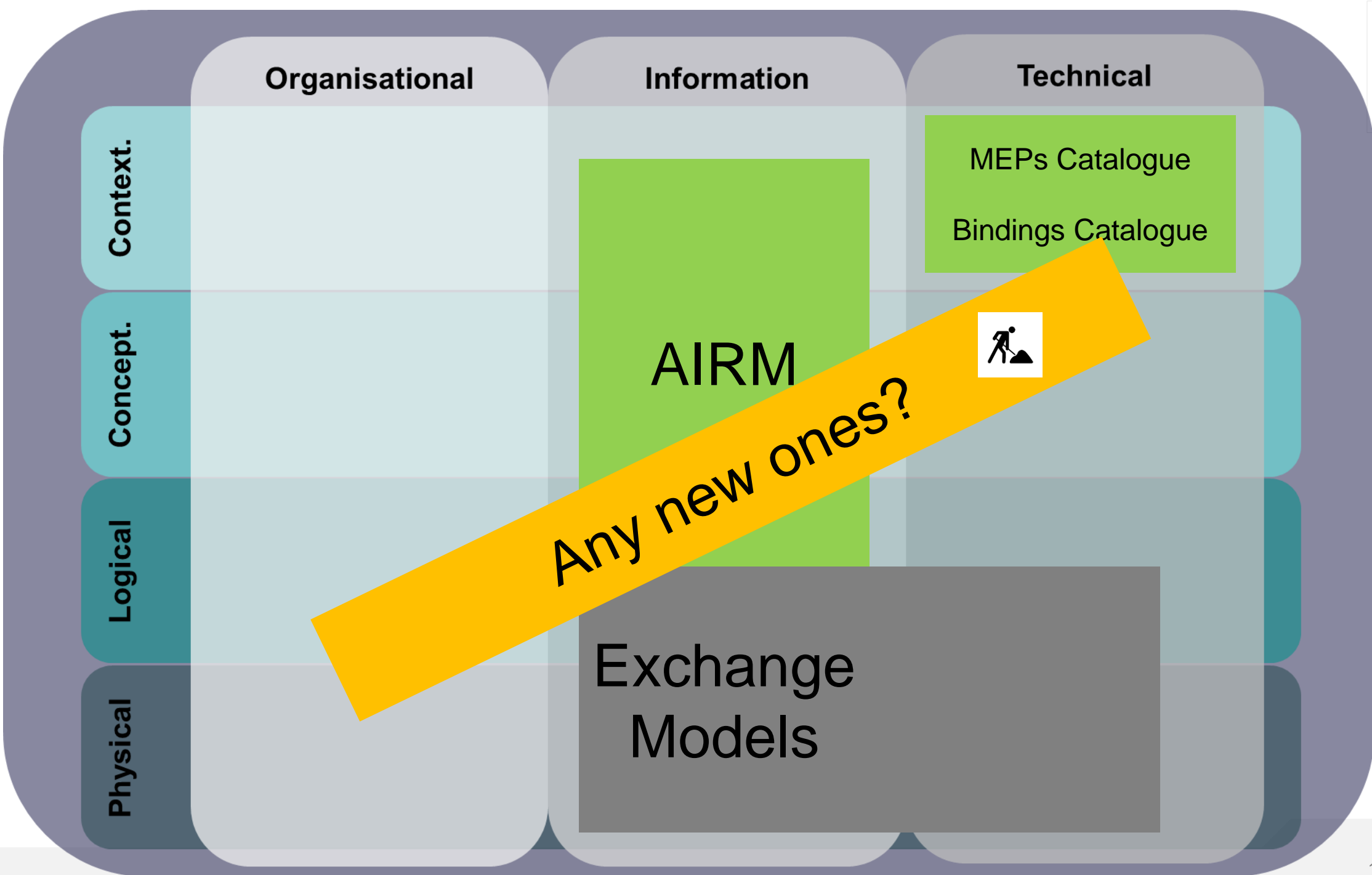
	Organisational	Information	Technical
Context.			
Concept.			
Logical			
Physical			



Service Orientation Process

- Key aspect of SOA and good script to perform the modernization collaboratively
- No singular right way
 - Top-Down: architecture driven
 - Bottom-up: productivity driven





Objective



improved understanding of service orientation and architecture and **how** they relate to the requirements of the EUROCONTROL SWIM Specifications

improved knowledge of to the use the EUROCONTROL SWIM Specifications

improved understanding on how to fulfil the EUROCONTROL SWIM Specifications in a way that is also good from a global perspective



Objective



improved awareness of the resources and building blocks that are available

identification of additional resources and building blocks



Good practice take-aways

- use open standards
- build SWIM team(s) as multi-disciplinary collaboration groups combining operational, service orientation, information, and technical infrastructure skills together
- define a service orientation method together with those that will have to execute it and use it as a guideline. Keep it simple
- ensure a good analysis of the “to-be” business process, the related information flows and identify good information exchange requirements
- make design decisions and implementation choices together with your stakeholders
- ensure unambiguous understanding of information exchanged
- consolidate the interface bindings around mainstream standards

Digital transformation



- Collaboration
- Sharing common building blocks
- Good multi-disciplinary teams



- Service oriented architecture
 - Digital transformation is more than online access to information
 - It is truly transforming the way we are interacting
 - It enables future architecture

➤ Digital European Sky



Thanks for attending!

