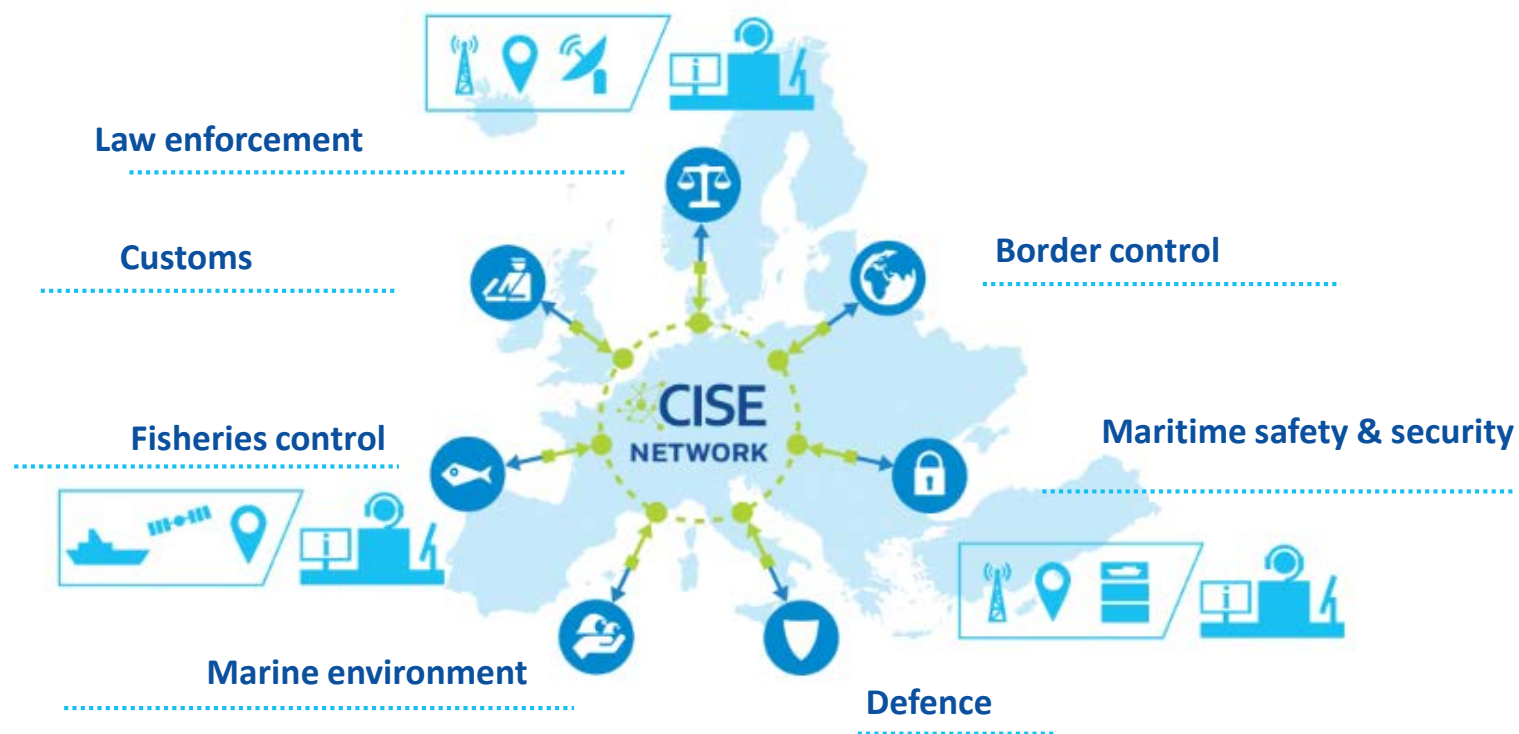


# CISE Generic Adaptor

CISE Alert VIP Day

Rome / 12 September 2024





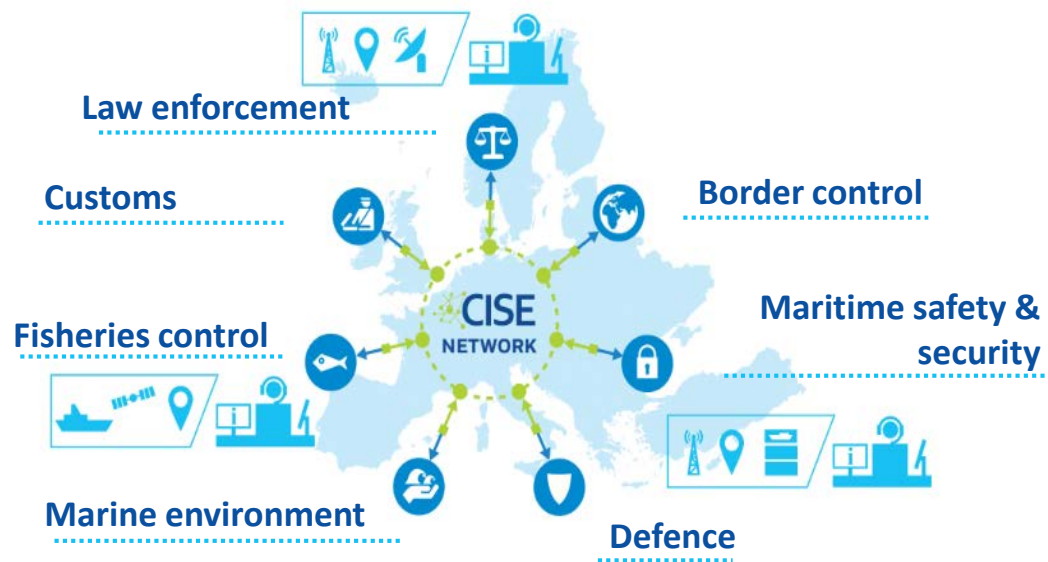
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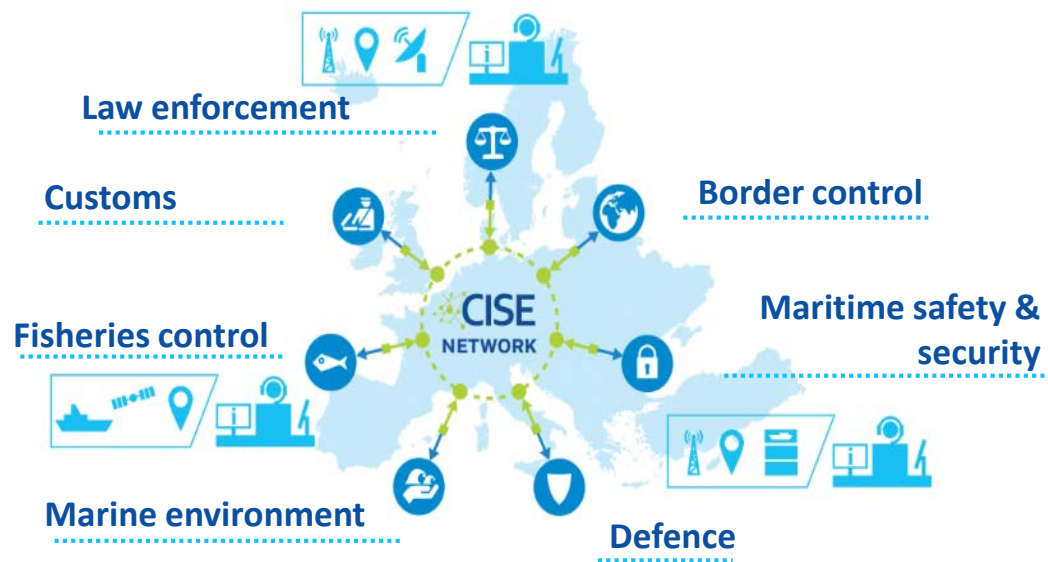


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## KEY PRINCIPLES

- 01** Voluntary participation 
- 02** Connecting existing systems 
- 03** Connecting authorities from 7 sectors 
- 04** Decentralized infrastructure 
- 05** Based on standard data model 
- 06** Easy control of access rights by the data owner 

CISE allows for **seamless** information exchange  
across borders and different sectors



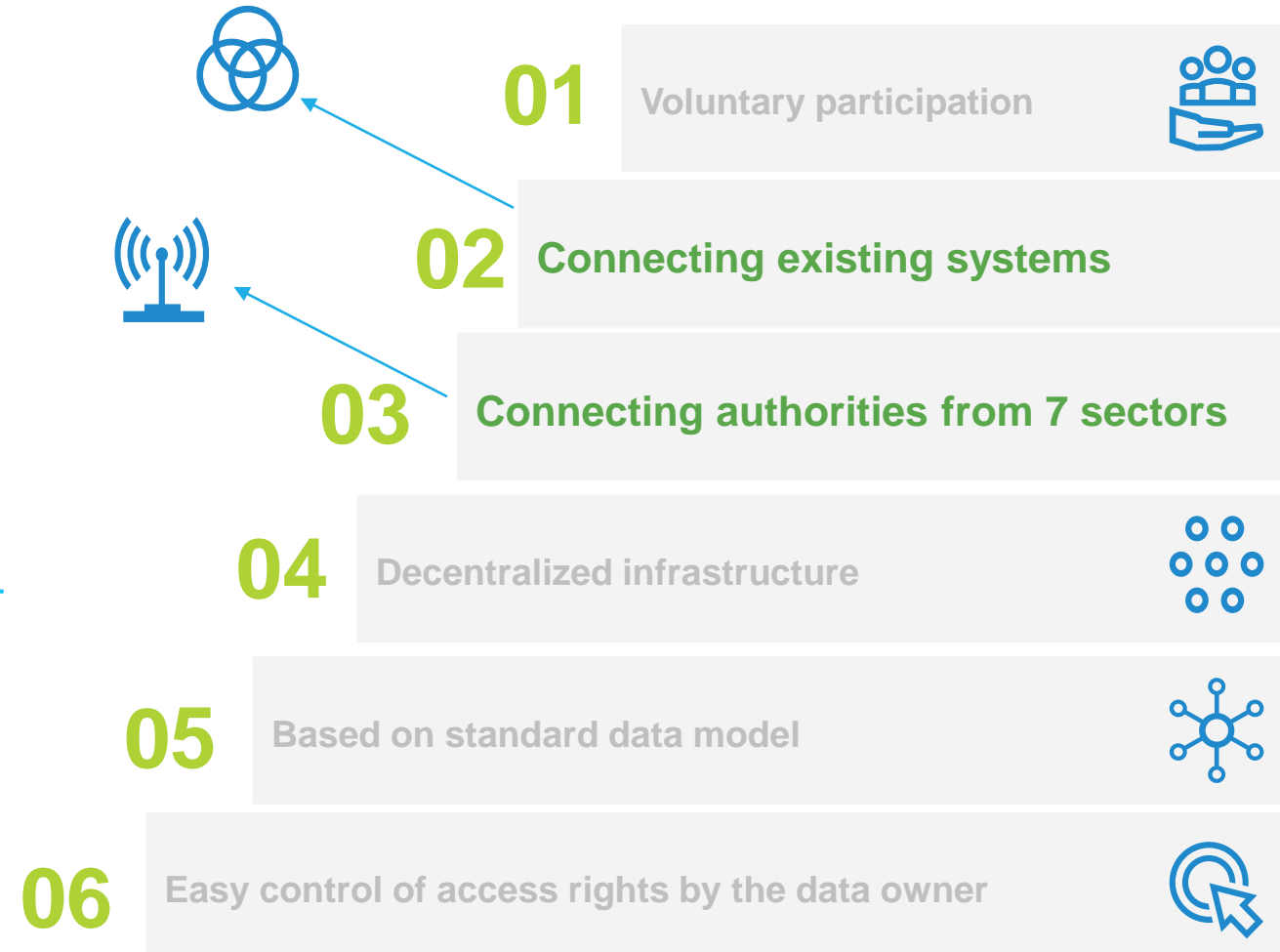
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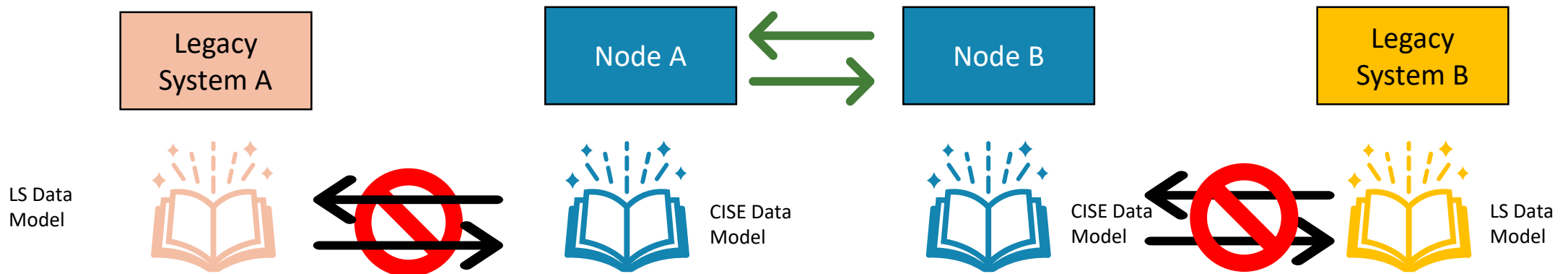
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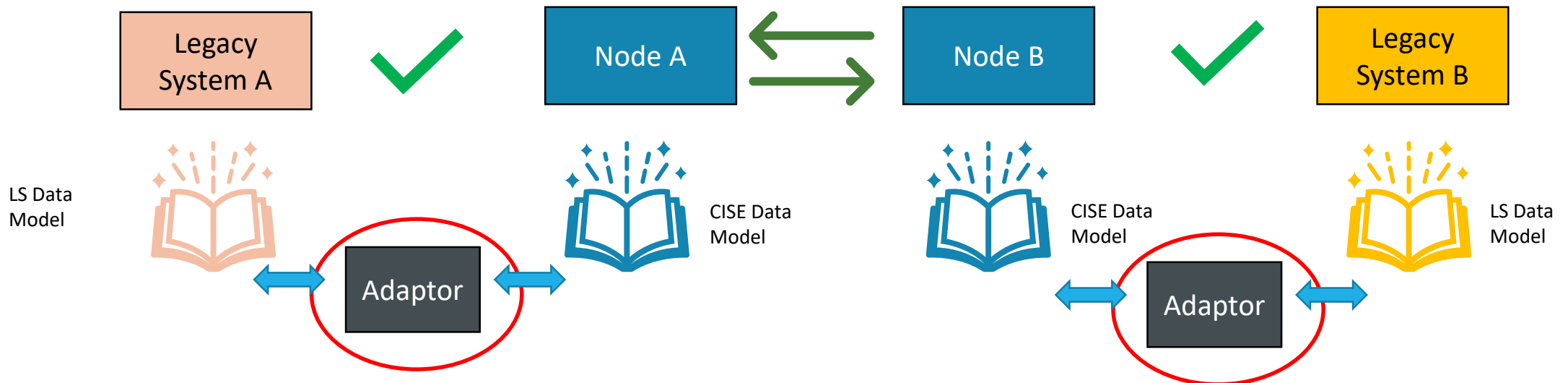
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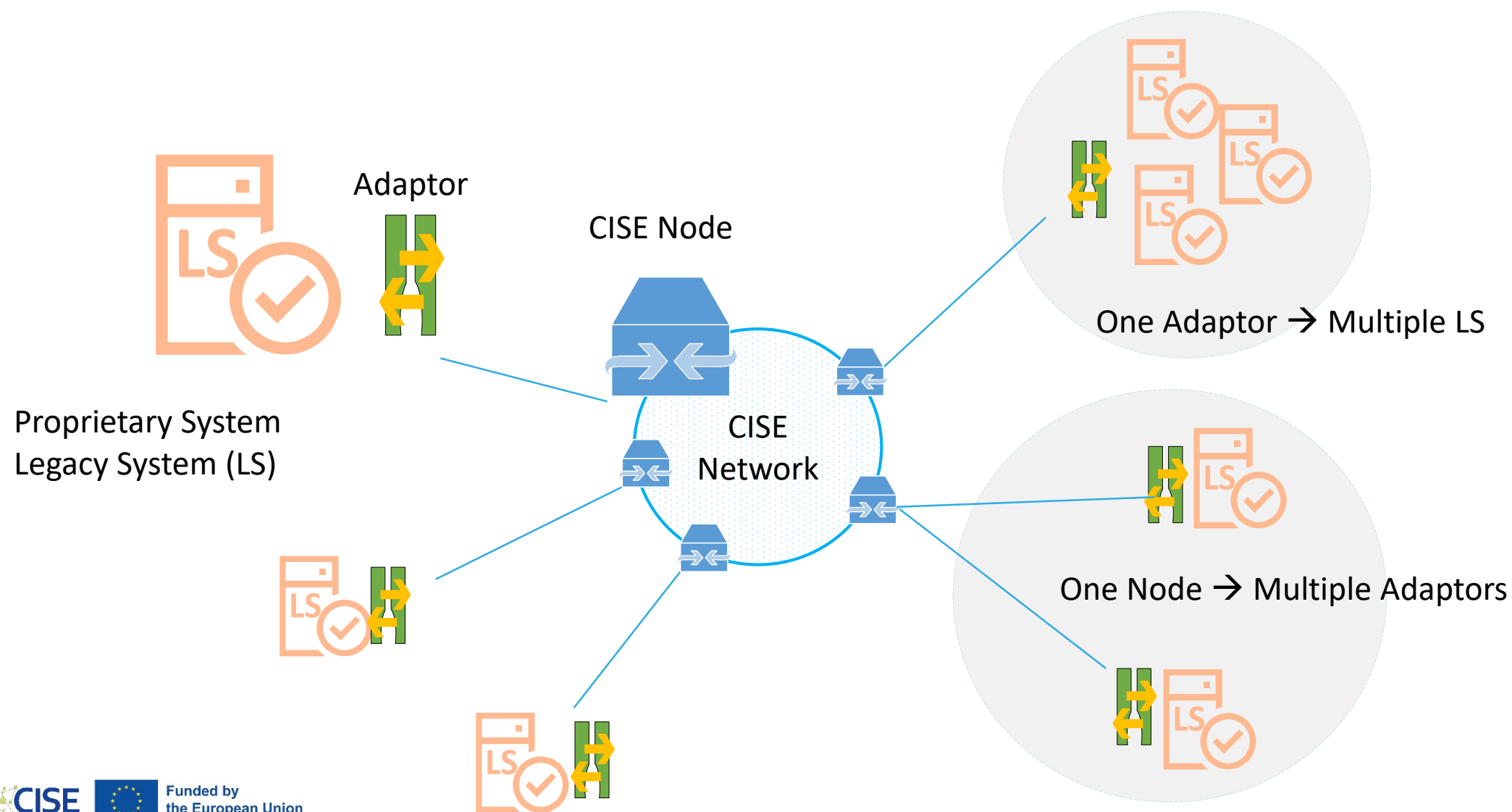
CISE Stakeholders need to develop an *Adaptor* to connect their existing *Legacy System(s)* to the *CISE Node*.



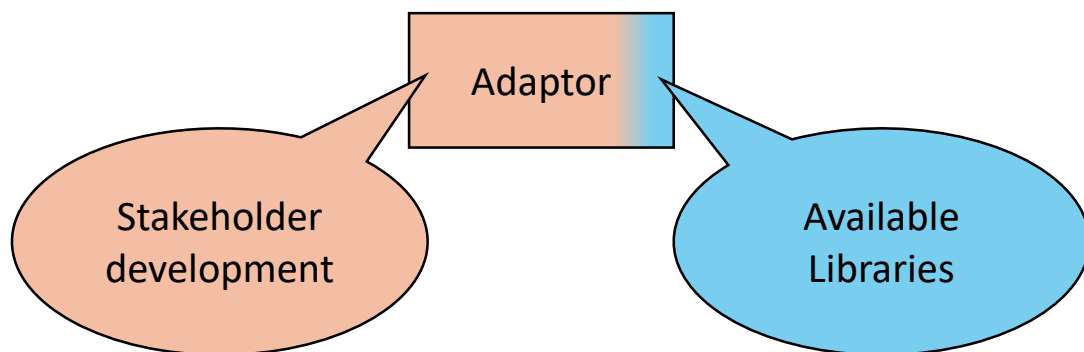
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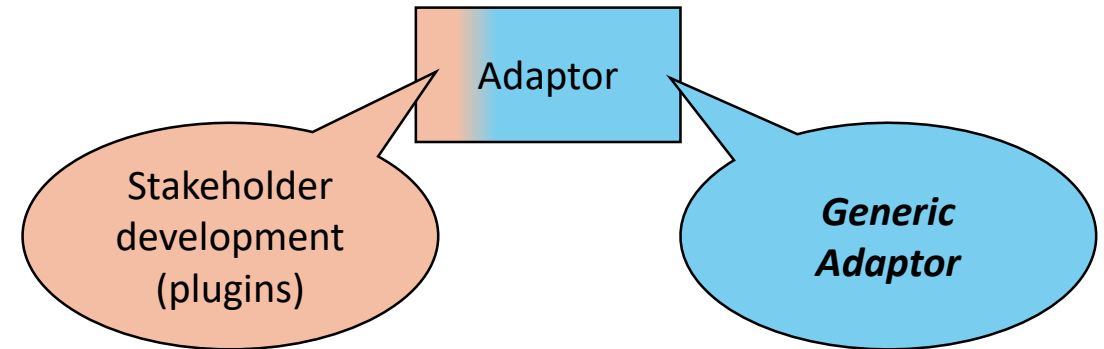
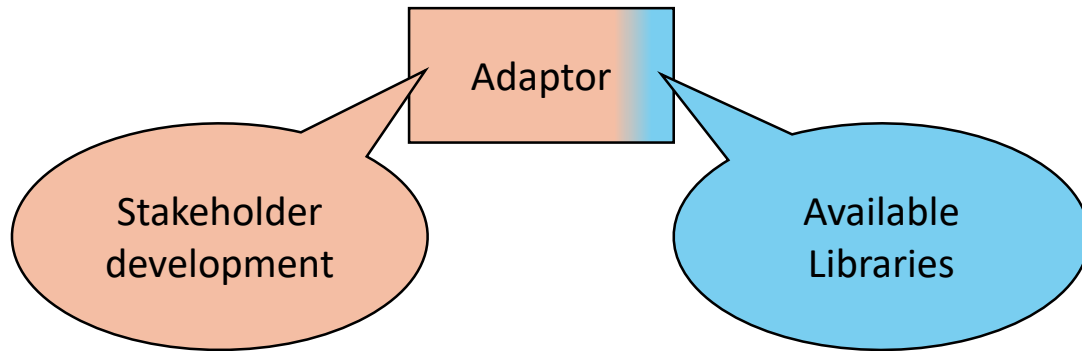
# Modes of exploiting adaptors



# Adaptor traditional development

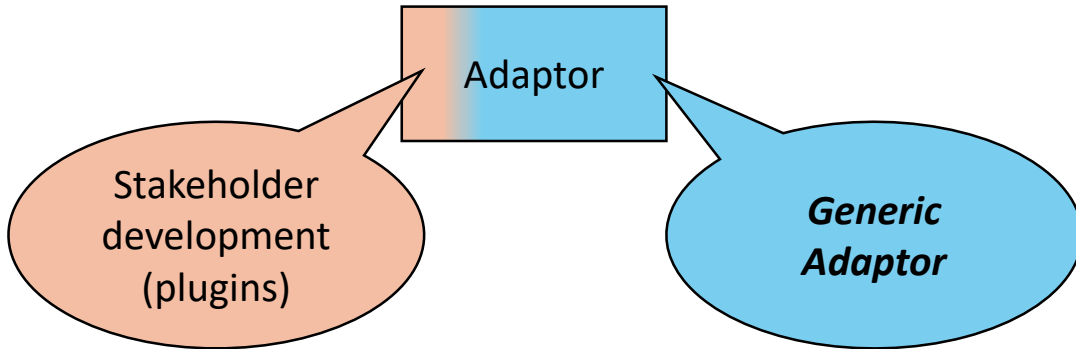


# With the generic adaptor



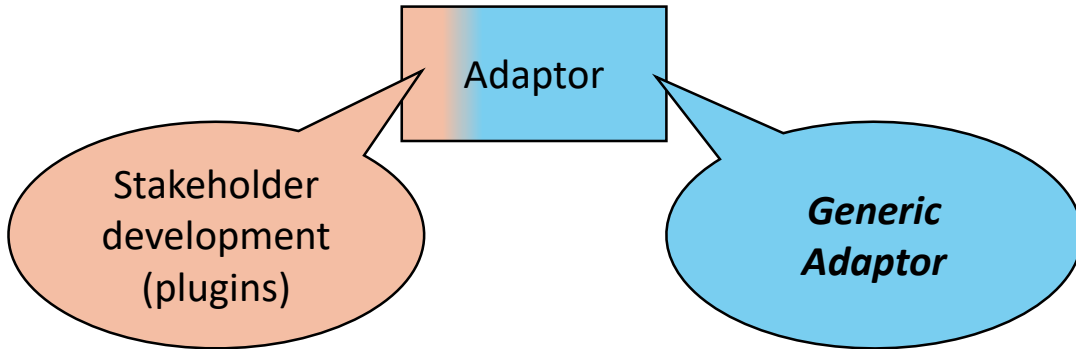
Cut development effort (estimated 60-80%)

# With the generic adaptor



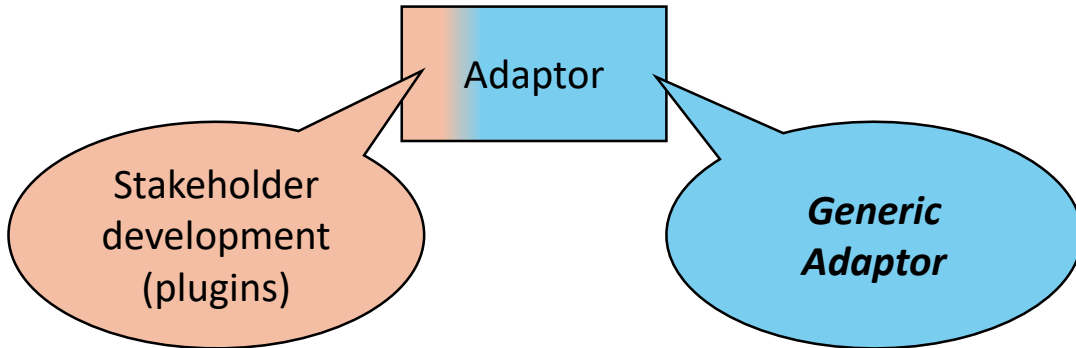
- Allow Legacy System communication / language translation using tailored *plugins*

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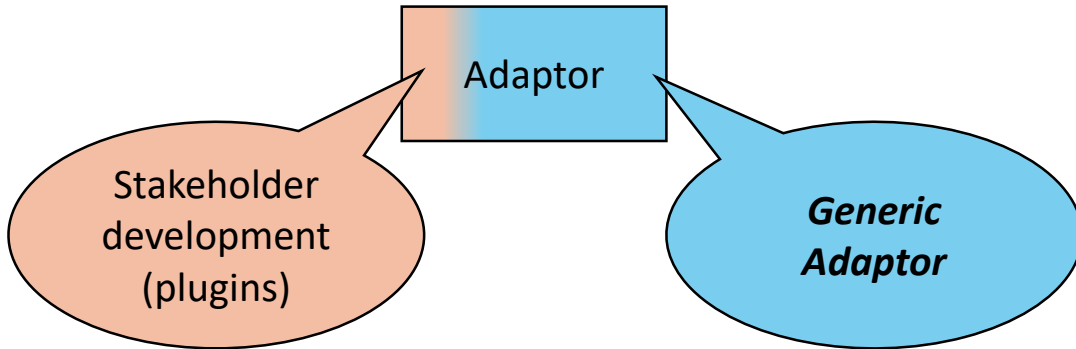
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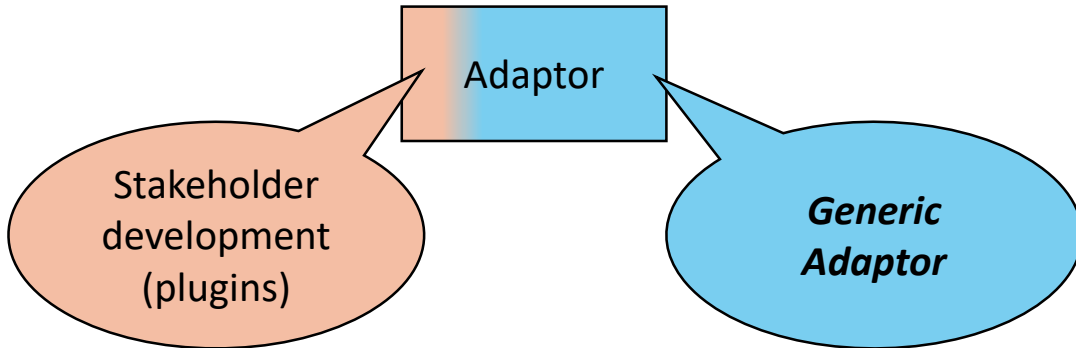
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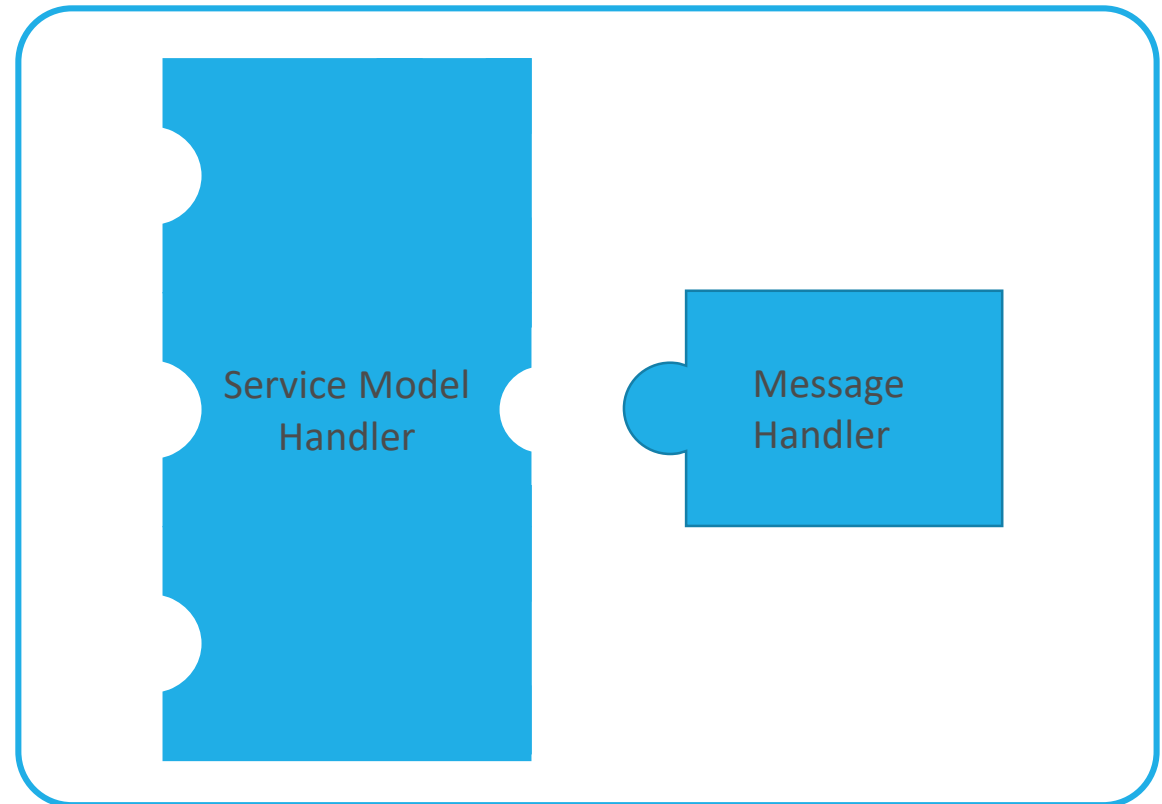
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- Re-use sample plugins created by JRC / Stakeholders
- Out-of-the-box handling of CISE Node communication and security updates

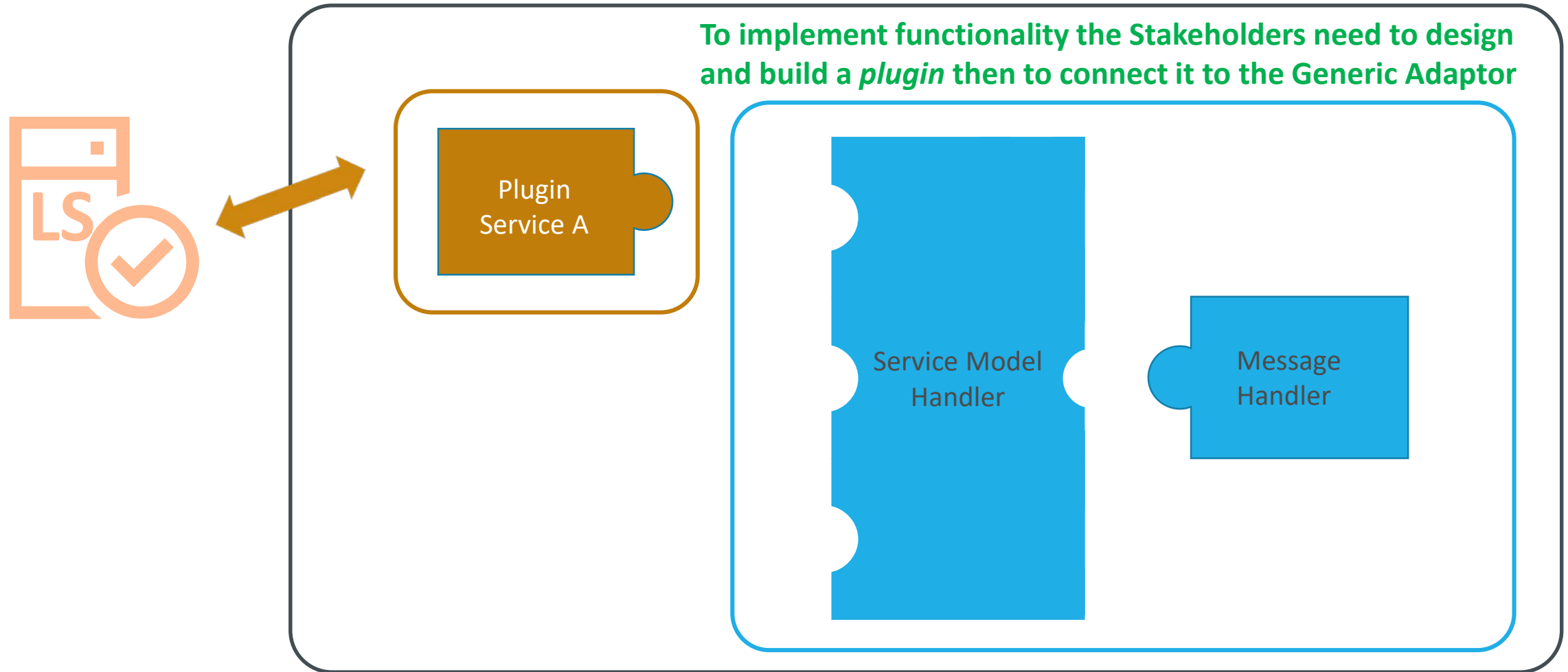
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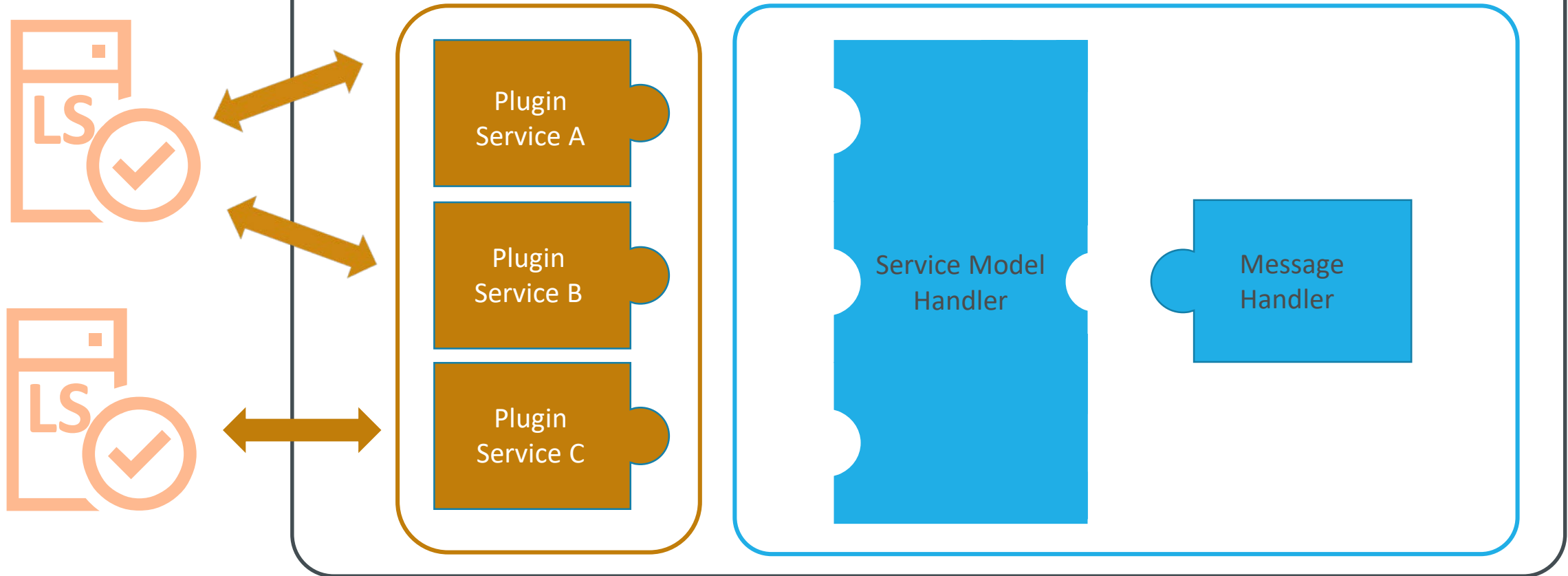
- Allow Legacy System communication / language translation using tailored *plugins*
- Focus on making your Legacy System talk to CISE
- Re-use sample plugins created by JRC / Stakeholders
- Out-of-the-box handling of CISE Node communication and security updates
- Minimise the learning curve of plugin development through the use of well-known technologies (Java, Quarkus, etc.)

Standalone application (provided to the stakeholder)





With more plugins, a single Generic Adaptor can provide additional services and/or connect to multiple LS



- **Supports the following CISE information services:**

- Push provider / consumer (known-unknown)
- Subscribe provider / consumer (known-unknown)
- Pull provider / consumer (known-unknown)

**The CISE Stakeholders are invited to submit to**



**[mss@emsa.europa.eu](mailto:mss@emsa.europa.eu)**

**any request for**

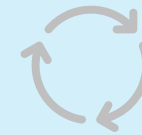
## supporting the development/Configuration



Node installation



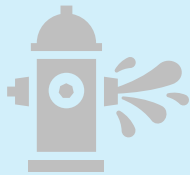
Node configuration



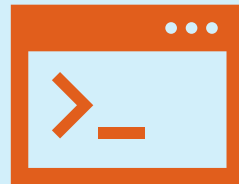
Node maintenance



General  
information



Incident and problem  
management

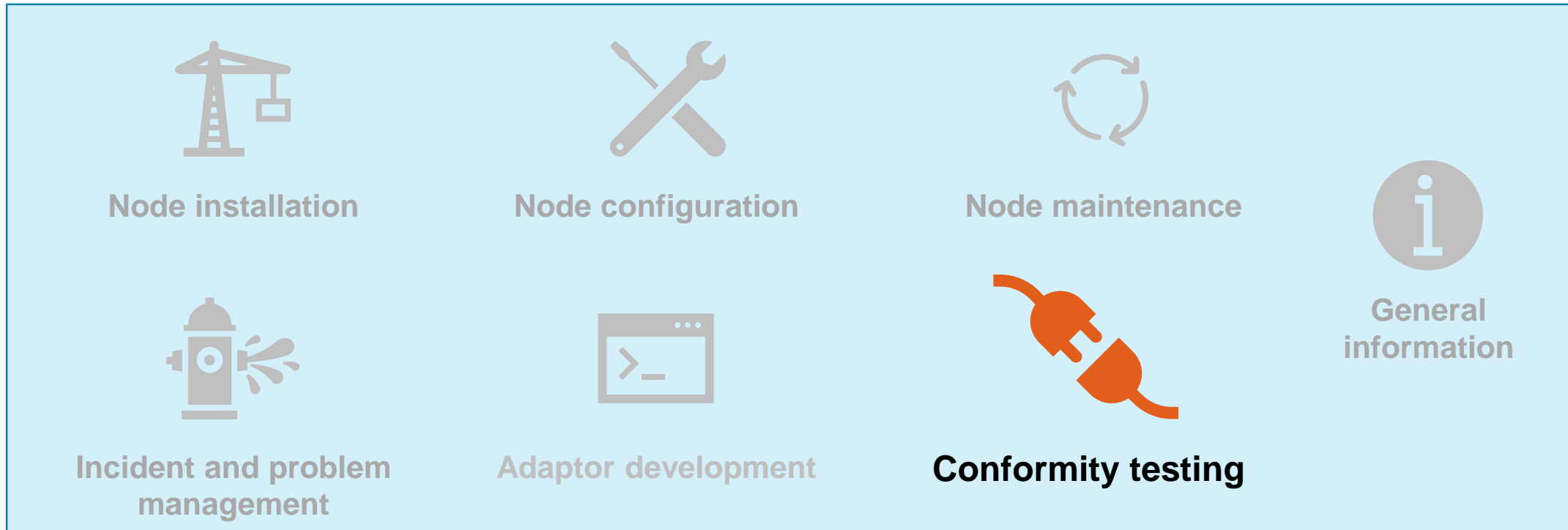


**Adaptor development**



Conformity testing

## validation



## Information



Node installation



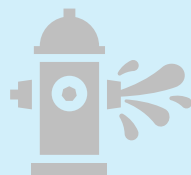
Node configuration



Node maintenance



**General  
information**



Incident and problem  
management



Adaptor development



Conformity testing

The **Stakeholder** is **accountable** for the development/deployment of adaptors.  
**CISE support team** can be **consulted** and **informed**.

Activity	Stakeholder (SH)	CISE support team
Adaptors/Simulators	<ul style="list-style-type: none"><li>• Develop the Information Sharing Plan</li><li>• Implement the Adaptor</li><li>• Deploy the adaptor</li></ul>	<ul style="list-style-type: none"><li>• Support to connection/configuration/development of existing or new adaptors/simulators</li></ul>



**Being the adaptor an essential component within the CISE infrastructure, for which continuous enhancements are foreseen to be developed during time, the Stakeholders are strongly suggested to put in place contracts for evolutionary maintenance and request their contractors for a 24/7 or 8/5 support (depending on the operational needs)**





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