

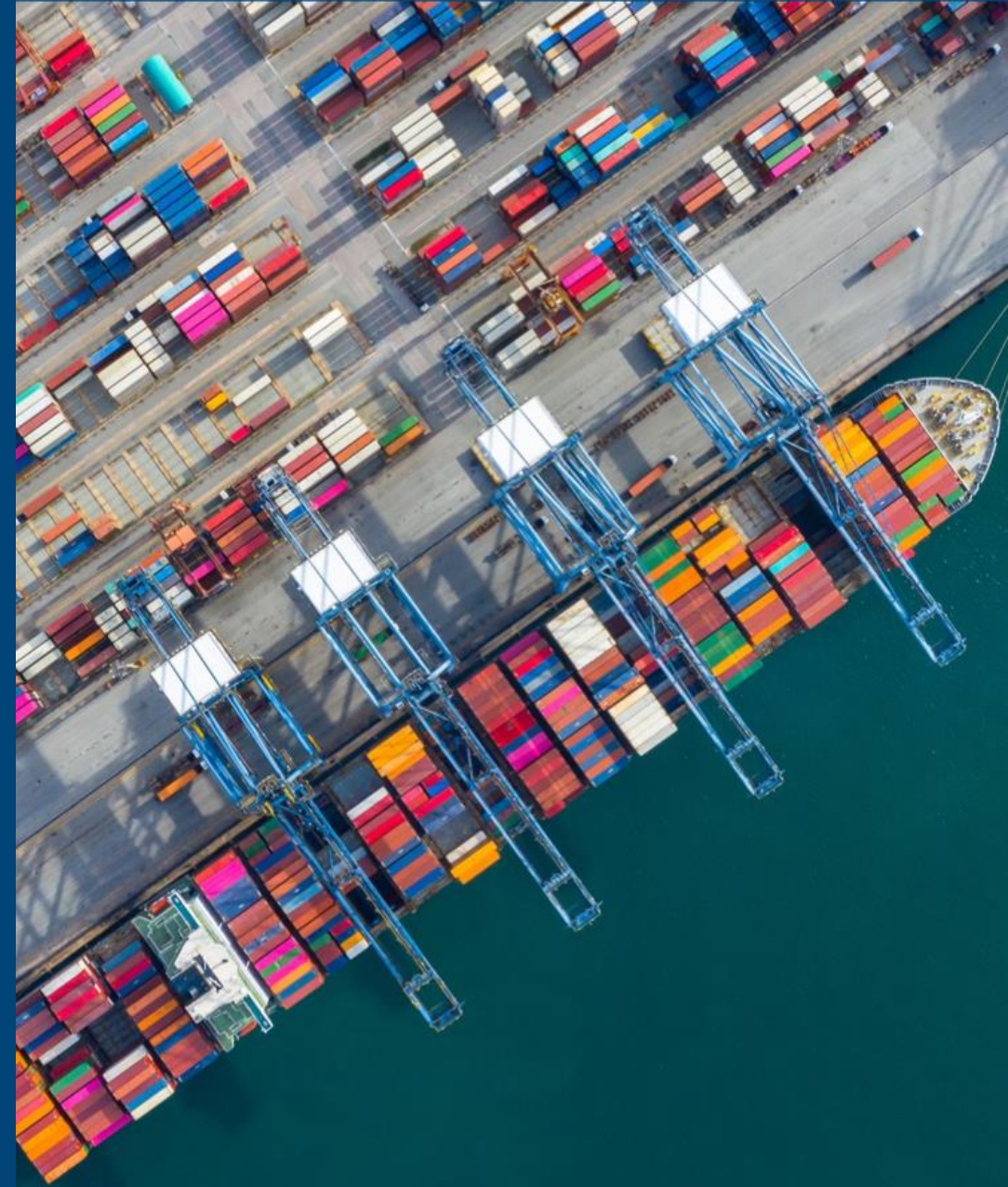
MSW developments in Europe

EMSWe & the positioning of Port Community Systems

Mees van der Wiel

portbase®

Keeping
things
moving

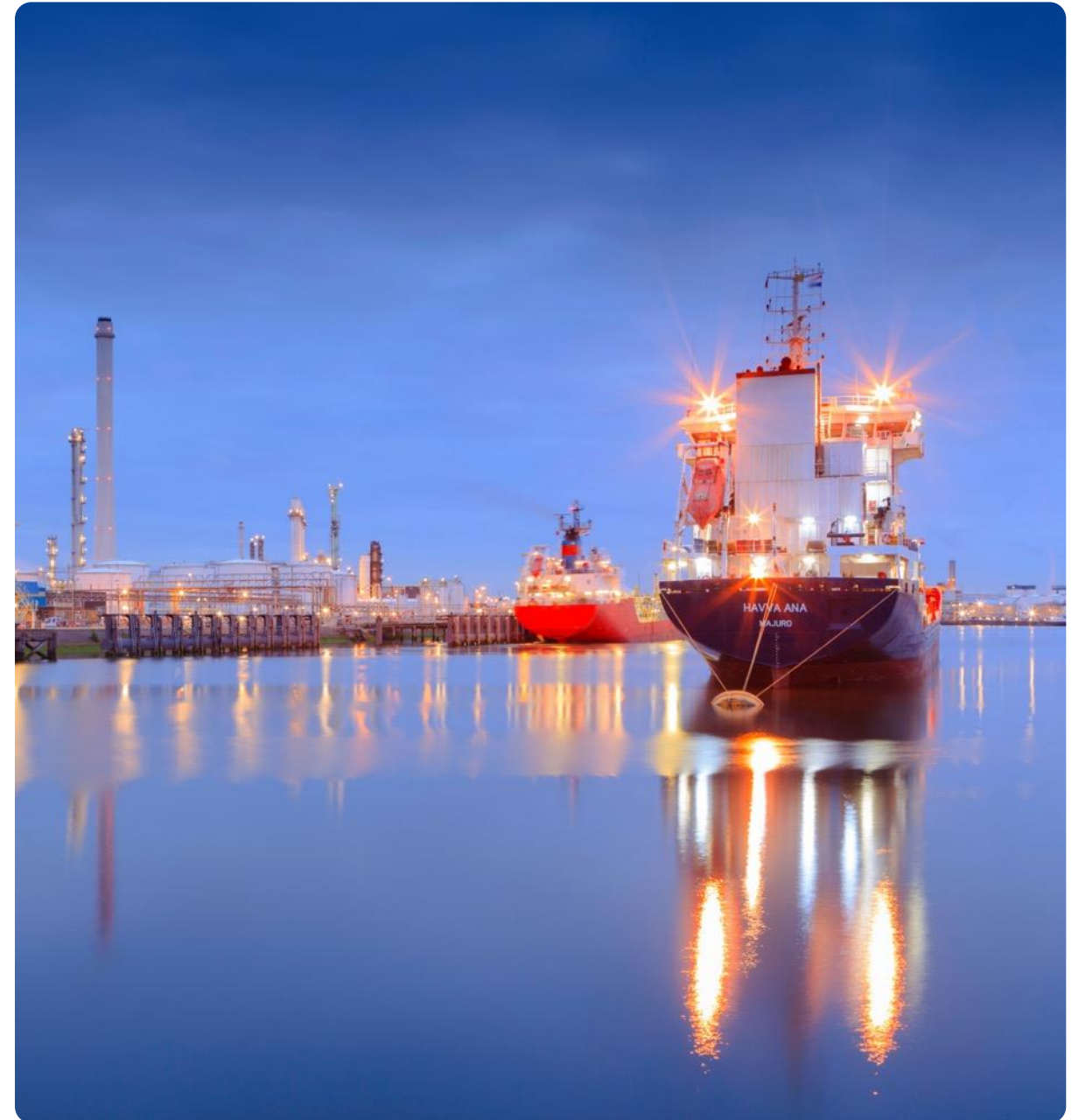


Meet Portbase

Neutral platform with national coverage that serves as a stable basis for operational excellence in Dutch ports.

Vision: Together with our customers, we build platforms and communities that make ports and their supply chains seamless, sustainable and secure.

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- National Port Community System (PCS) since 2002
 - Non-profit organisation, utility
 - Shareholders: Port of Rotterdam (75%) and Port of Amsterdam (25%)
 - Leading PCS global, largest PCS in Europe
 - From, for and by the port community
 - Founding member of International Port Community Systems Association (IPCSEA)
 - Current role in Maritime Single Window environment: Single Submission Portal (UN/ECE rec. 37) towards the Dutch Single Window for Maritime & Air

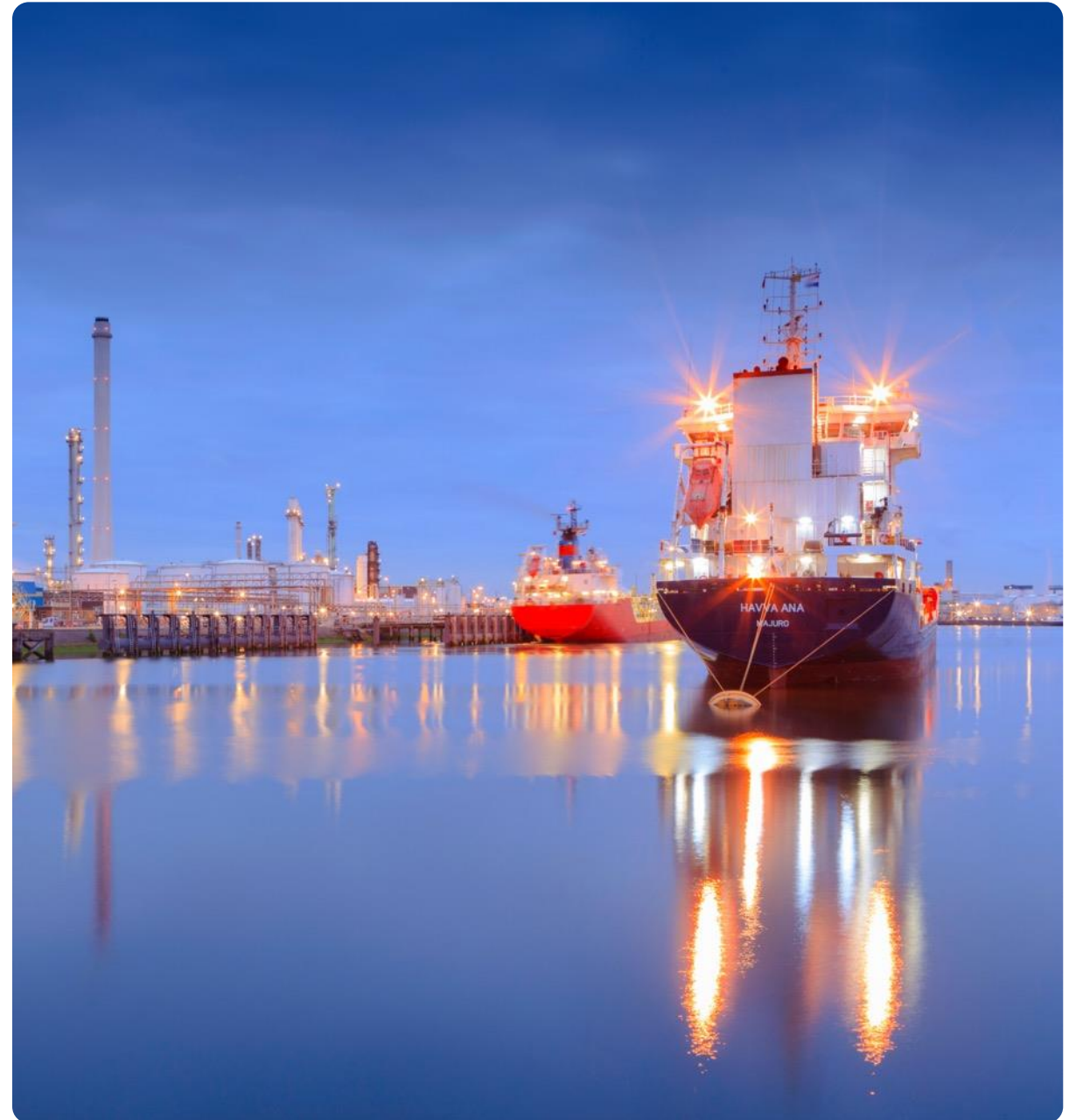


EMSWe regulation

EMSWe regulation 2019/1239 replaces the 2010/65/EU directive.

It's main features are:

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- A decentralised network of National Single Windows with:
 - A single entry point for all reporting obligations within a MS;
 - Part A – European legislation on ship reporting formalities, including customs formalities (arrival & departure)
 - Part B – IMO FAL forms
 - Part C - Reporting obligations stemming from national legislation and requirements
 - A harmonised data set in full compliance with the EU CDM;
 - Harmonised interfaces between EMSWe and declarants;
 - Rules on re-use of data
 - Clear governance
 - Common databases for user management and authentication, ship identification, locations codes and information on dangerous and polluting goods



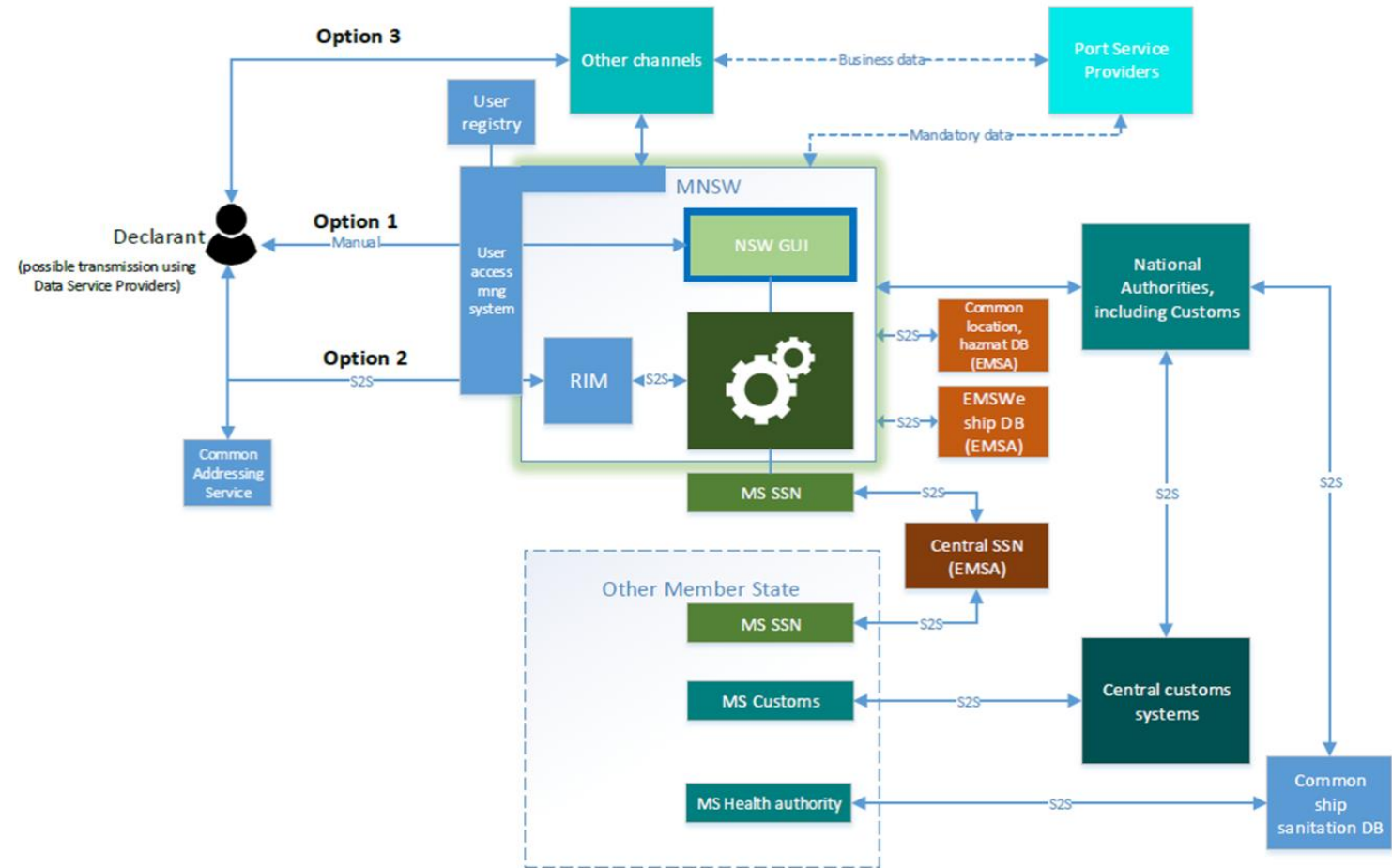
Conceptual architecture

→ Main EU components:

- Several databases (ship, location, HazMat, ship sanitation)
- User registry & access management
- Central SafeSeaNet system

→ Main national components :

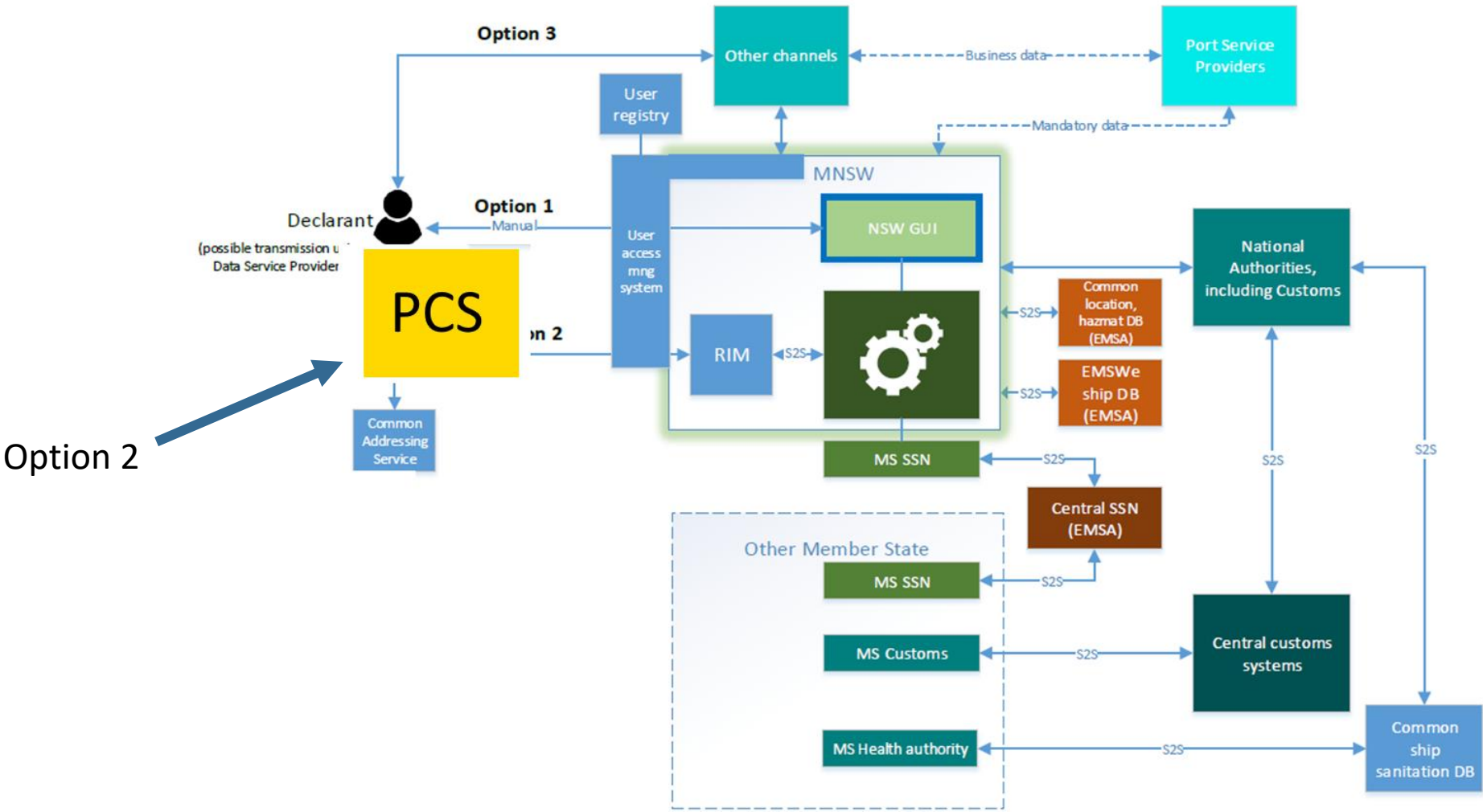
- Systems of authorities
- Maritime National Single Window
- Reporting Interface Module
- Member state SafeSeaNet system
- Declarants with options to connect
- Overall architecture foresees in a number of options to connect Port Community Systems to the MNSW.



Conceptual architecture European MSW environment – Source: European Commission

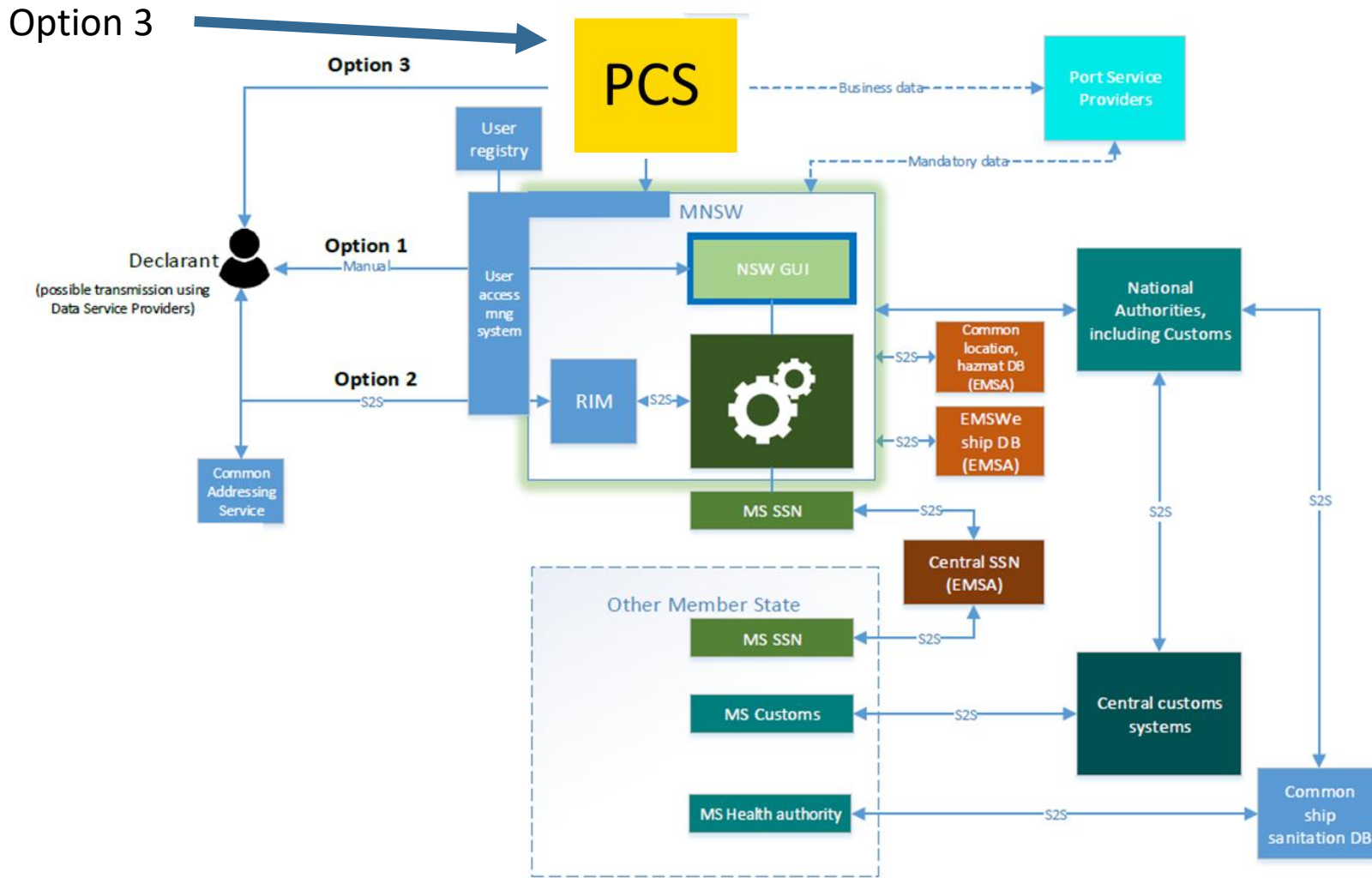
Several options for PCS's

Option 2: Data Service Provider, connected to Reporting Interface Module



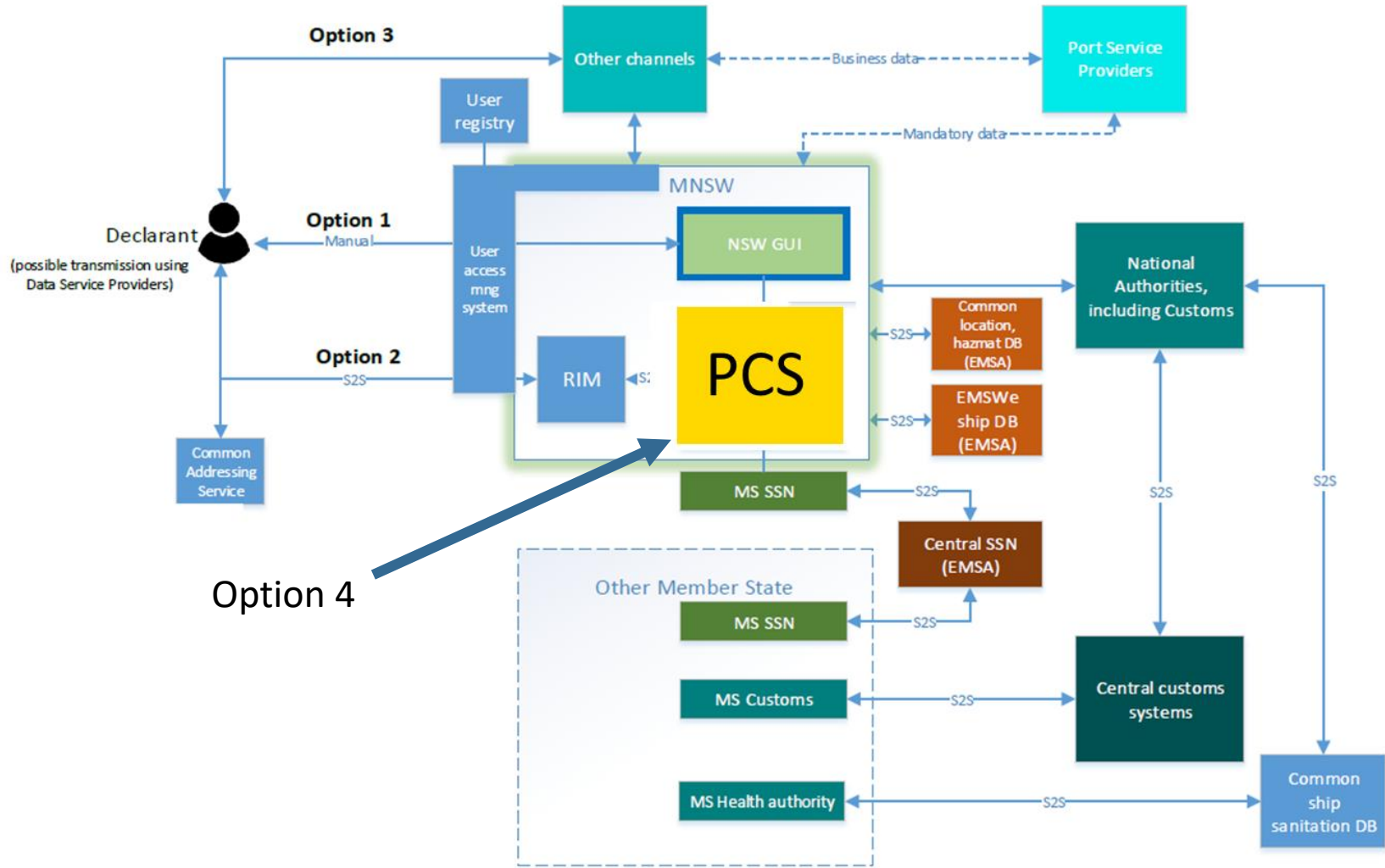
Several options for PCS's

Option 3: Other Channel, directly connected to MNSW



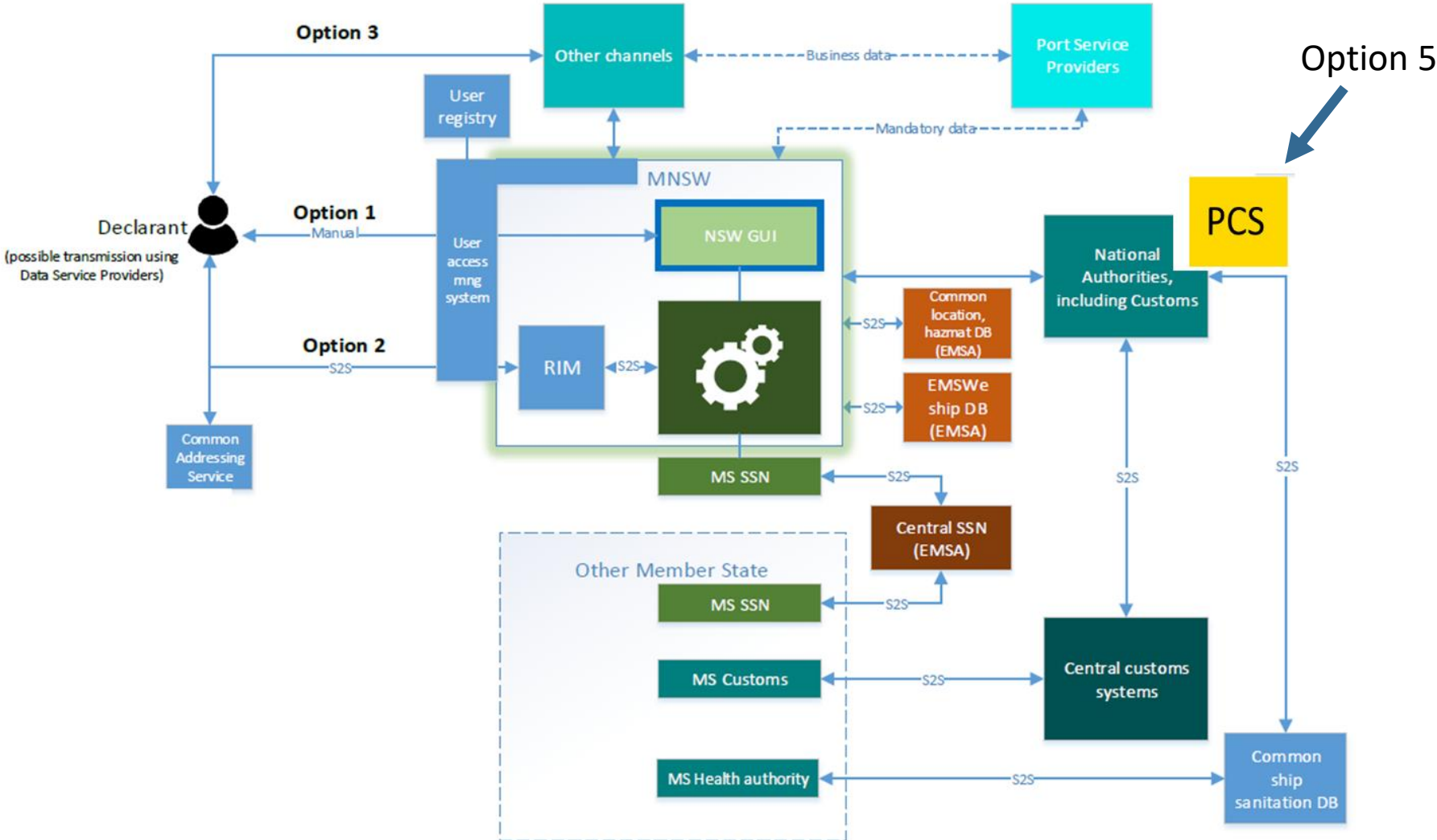
Several options for PCS's

Option 4: PCS is part of the MNSW



Several options for PCS's

Option 5: PCS is part of one of the receiving authorities, probably port authority.



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