

# **CCNR CONFERENCE**

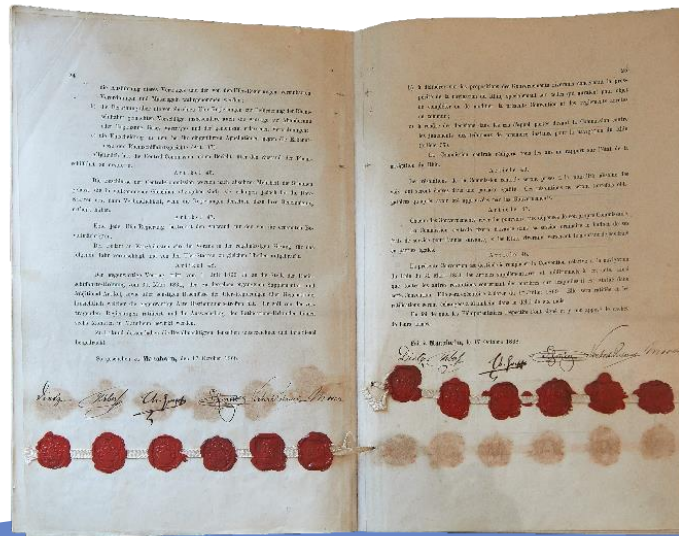
## **The Mannheim Declaration: 5 years later**

**Presentation of the Mannheim Declaration  
and its assessment**

**Raphaël Wisselmann, Chief Engineer**



# Central role of the Mannheim Act



**Mannheim Act**

**Safety and promotion  
of Rhine navigation**



# Central role of the Mannheim Act

Centre of excellence



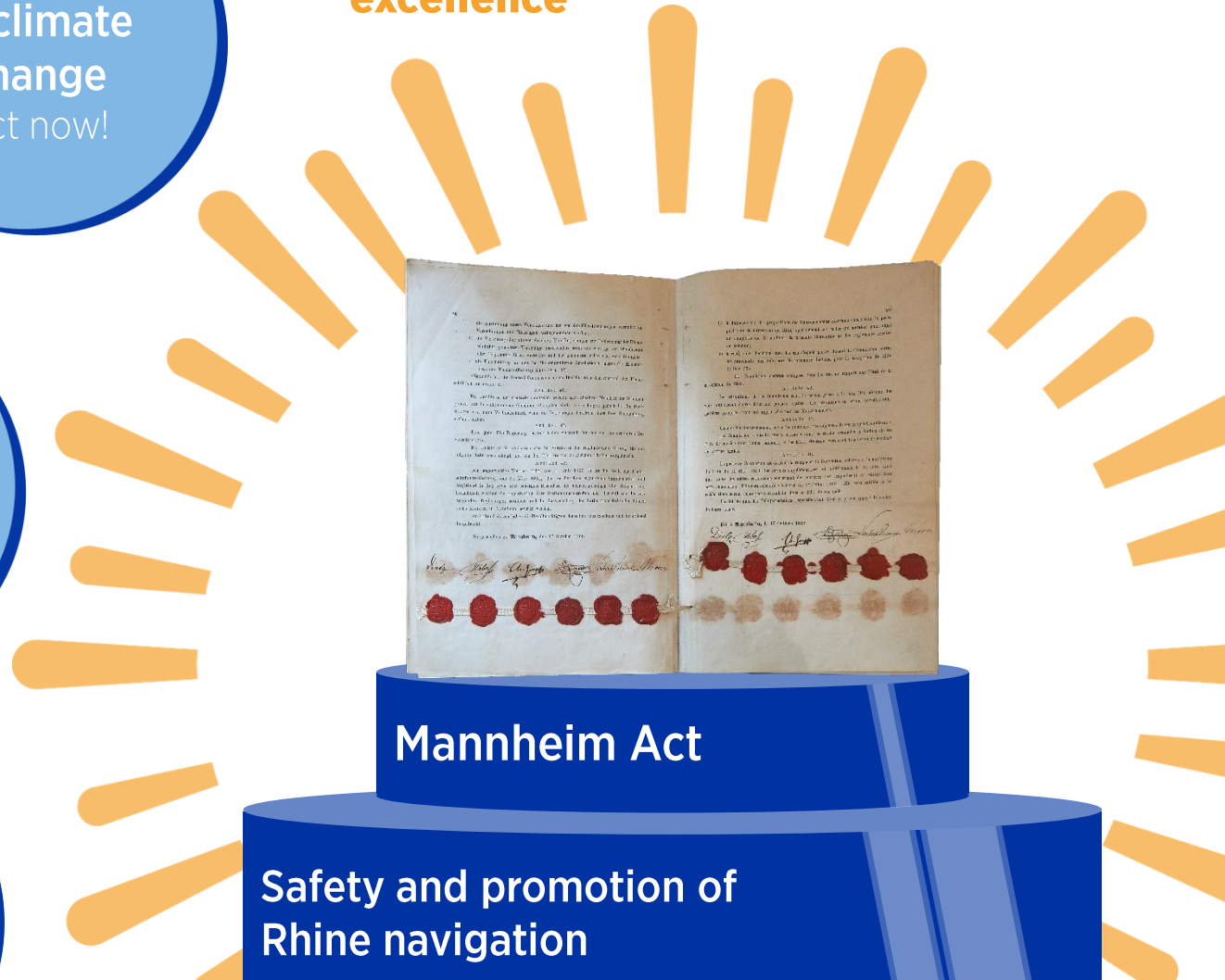
Adaptation to climate change Act now!



Market observation



Ongoing evolutions



Mannheim Act

Safety and promotion of Rhine navigation



# Constructive cooperation with its partners

## 11 Observer States

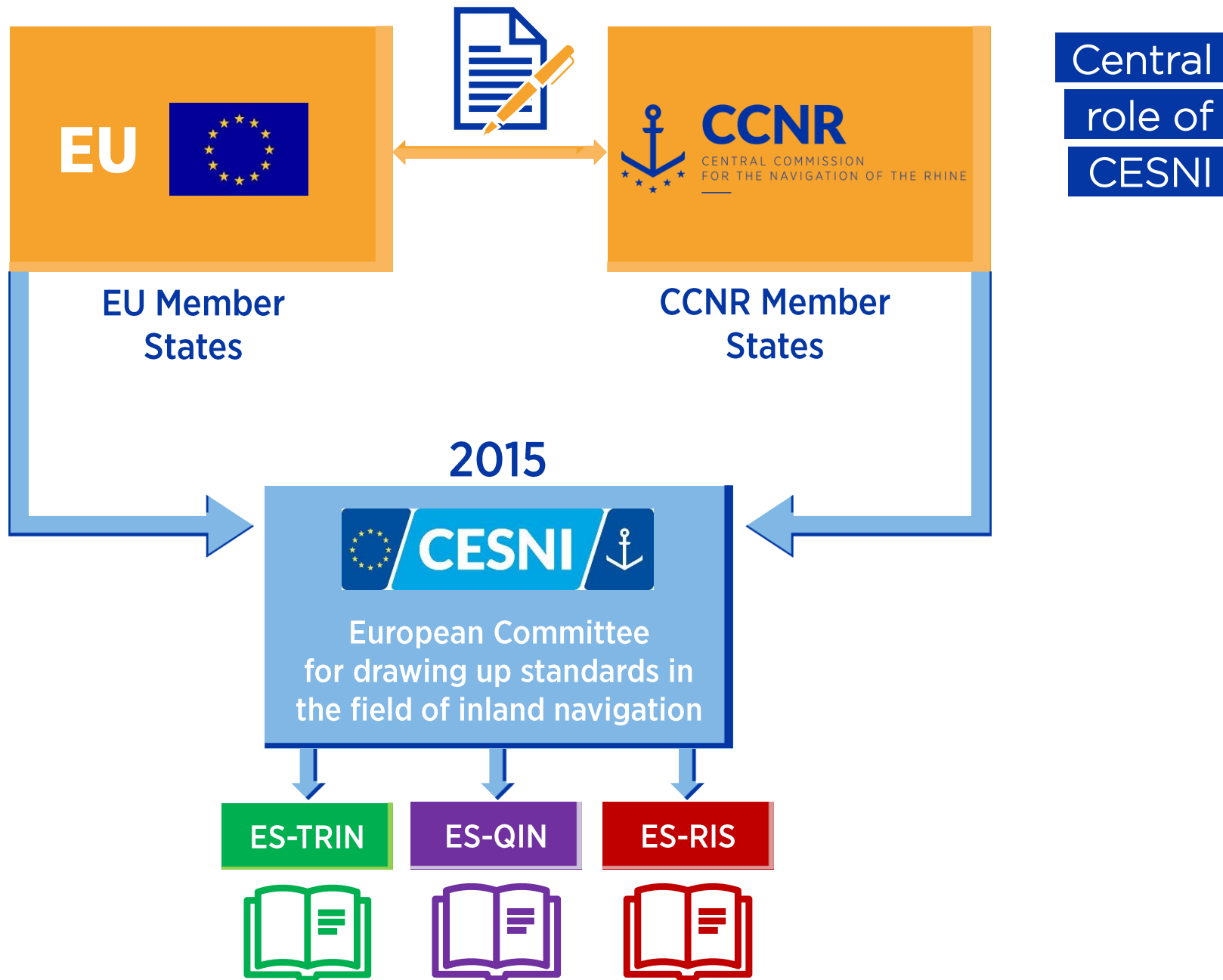


## 7 international organisations



## 19 approved organisations







# CCNR roadmap for reducing inland navigation emissions

Compressed hydrogen – MS Antonie



Batteries – MS Alphenaar



Compressed hydrogen – MS Zulu 6



Methanol – MS Stolt IJssel



DEROGATIONS FROM THE CCNR ACCORDING TO RHINE VESSEL INSPECTION REGULATIONS



# Development of digitalisation, automation and other modern technologies

Digitalised  
Rhine  
Patent



Electronic  
documents



Electronic  
reporting  
of  
information



Automated  
navigation



## MODERNISATION OF THE RHINE POLICE REGULATIONS





# Reinforcement of the role of inland navigation as an economically relevant means of transport

Efficient inland vessel  
cargo handling in seaports

Accelerate integration into  
multimodal logistic chains

Intensified exchanges about  
national development programmes

Coordination platform for Member  
States & IWT stakeholders



Monitoring of national  
development programmes





# Importance of well trained personnel and attractiveness



## NEW REGULATIONS FOR RHINE NAVIGATION PERSONNEL



**Integration of  
personnel from the  
maritime sector**



**Qualifications  
adapted to new  
challenges**



**Modernisation of  
career pathways**



THANK YOU FOR YOUR ATTENTION!

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