

# PortML

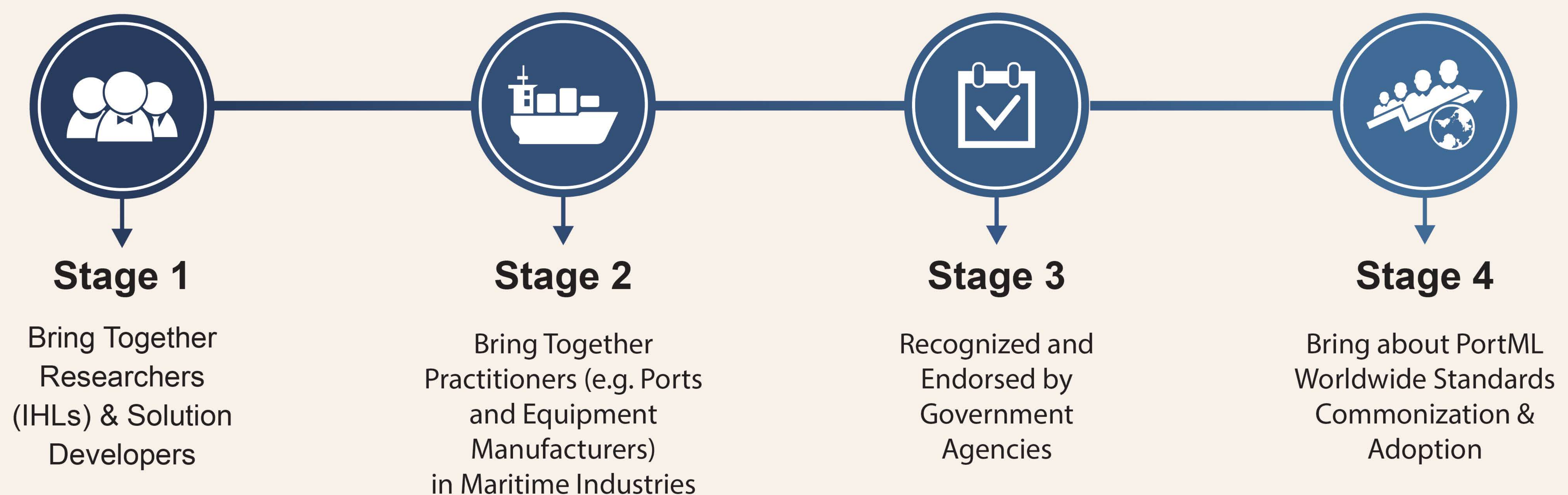
## Creating a Universal Set of Standards for Smart Ports

Our Centre is initiating the creation of a universal set of PortML (mark-up languages) for the building of digital twins, for future Smart Ports. A universal PortML enables the collaboration; interoperation; commonization; & formalization of port designs, configurations and information into structured formats.

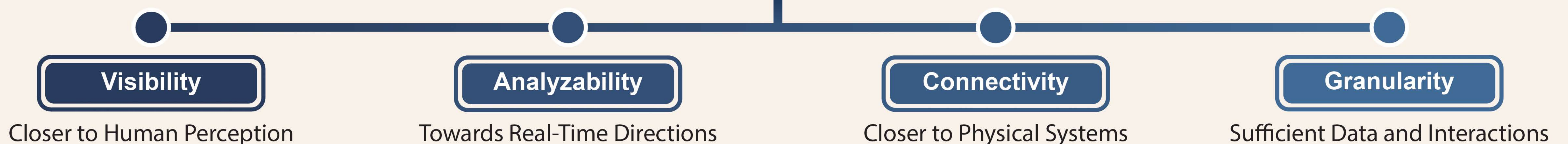
We aim to create compatibility with all stakeholders in the global maritime and port industries. PortML supports the fast building of reconfigurable digital twins; information sharing; & coordination between international ports and port operators, improving labour efficiency and cost reduction in the highly competitive and smart business environment of the future.

### PortML Alliance:

We are inviting global institutes of higher learning (IHL); governments; port operators; IT systems developers; port and maritime industries to collaborate and create a global set of computer and IT machine language standards. We aim to create a global alliance:



### SMART PORT DIGITAL TWIN



For more information contact:

Centre of Excellence in Modelling and Simulation For Next Generation Ports (C4NGP)  
National University of Singapore  
Innovation 4.0 Building #03-01  
3 Research Link, Singapore 117602.  
Tel: +(65) 6601 7304  
Email: c4ngp@nus.edu.sg