

INHOUD NAAM PRESENTATIE

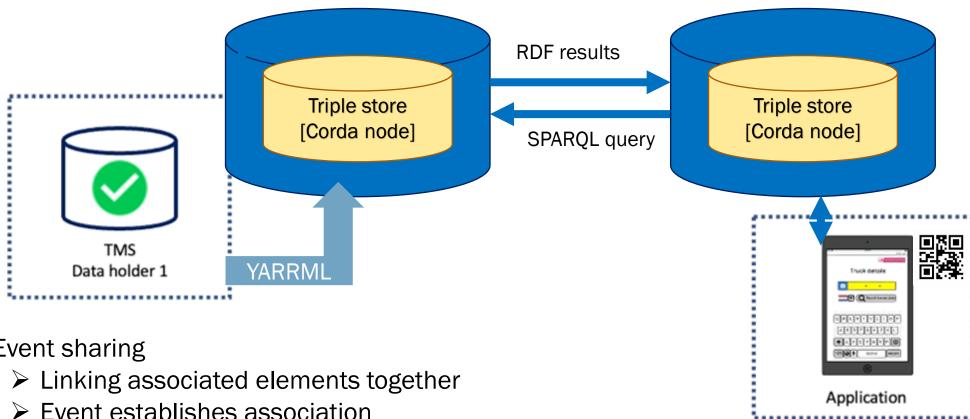


- **01**. PRINCIPLES
- 02. MODELLING
- 03. EVENT EXAMPLE
- **04.** EVENT COMPOSITION
- **05.** MODULARISATION
- 06. OUTLOOK





ARCHITECTURE PRINCIPLES

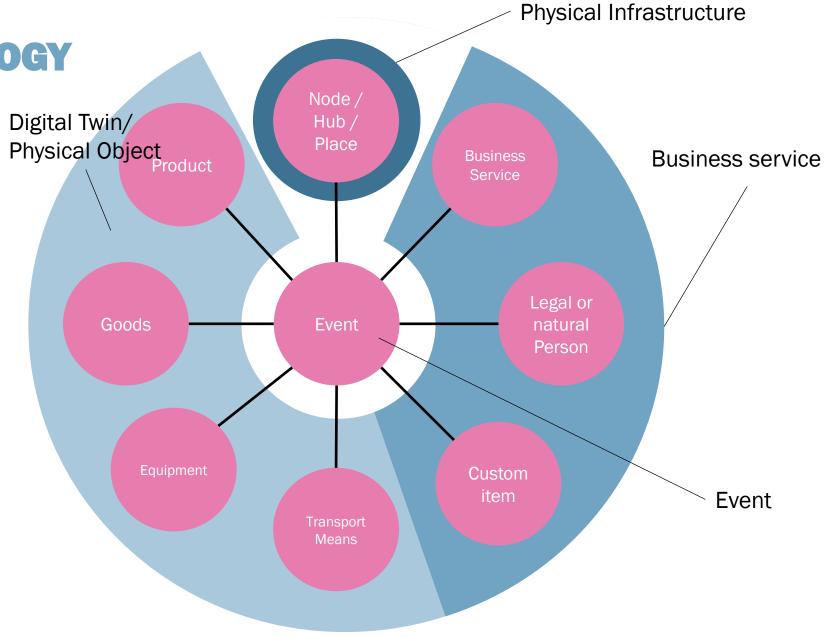


- Event sharing
 - > Event establishes association
- Decentralisation
- Data at the source
- Data soevereignty

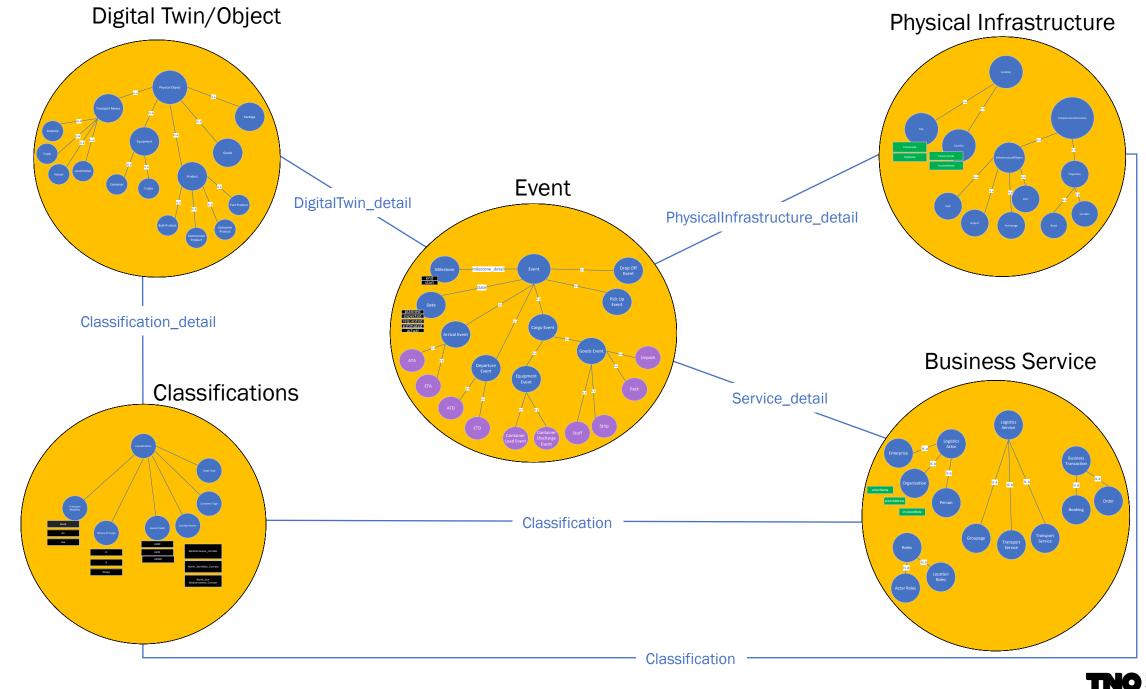


LOGISTICS ONTOLOGY

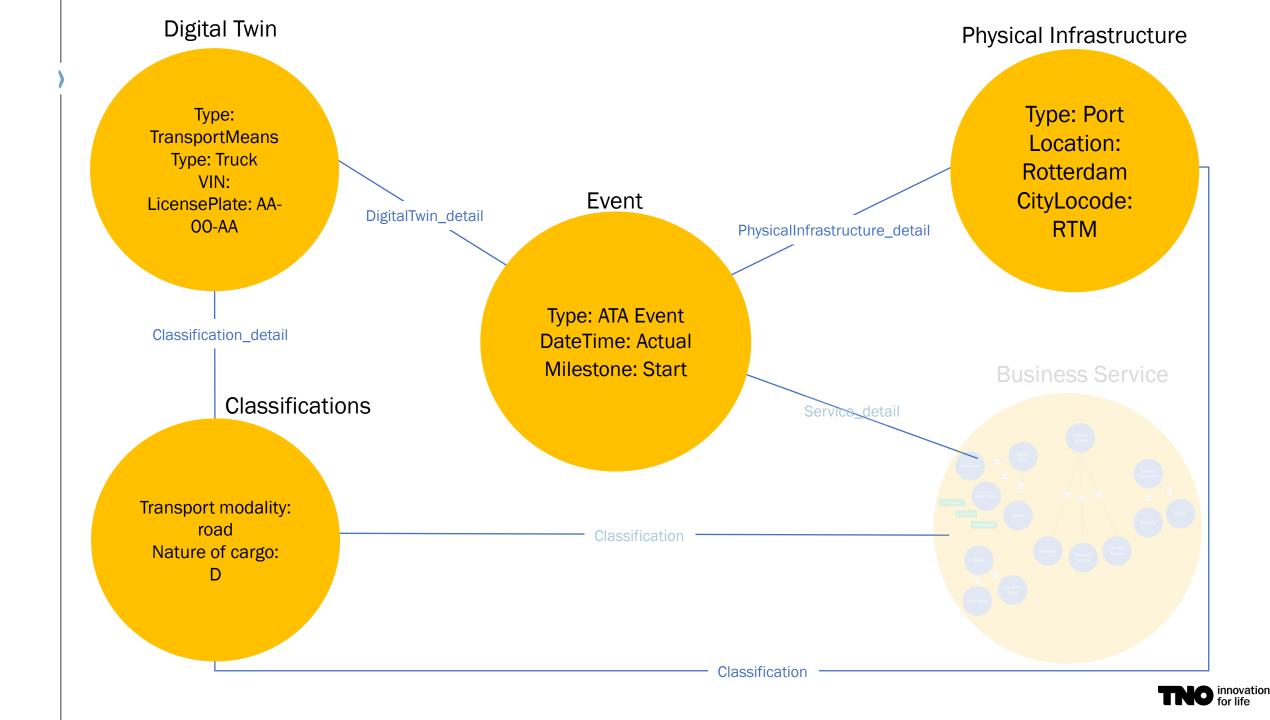
- Network of 5 ontology modules
 - Event
 - Digital Twin/Physical Objects
 -) Physical infrastructure
 -) Business service
 - Classification



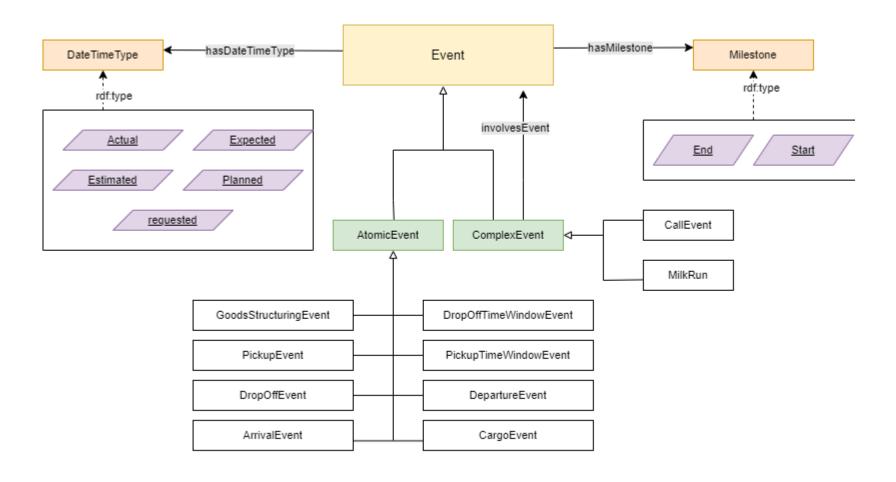








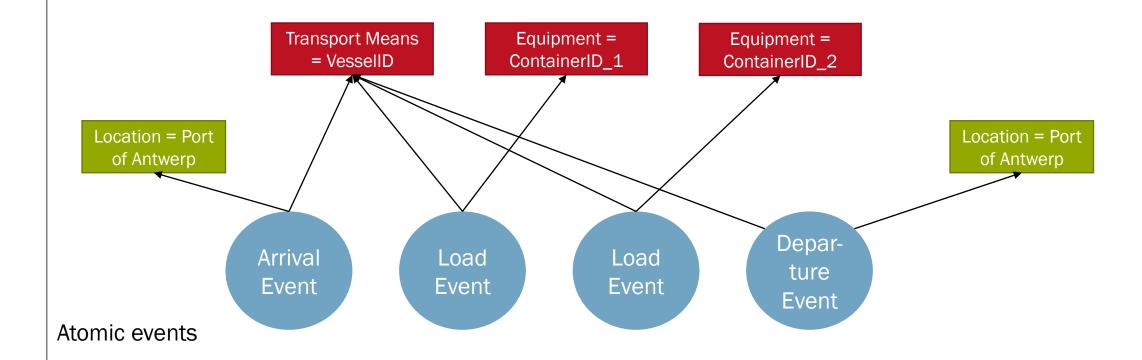
EVENT MODULE





EVENT COMPOSITION

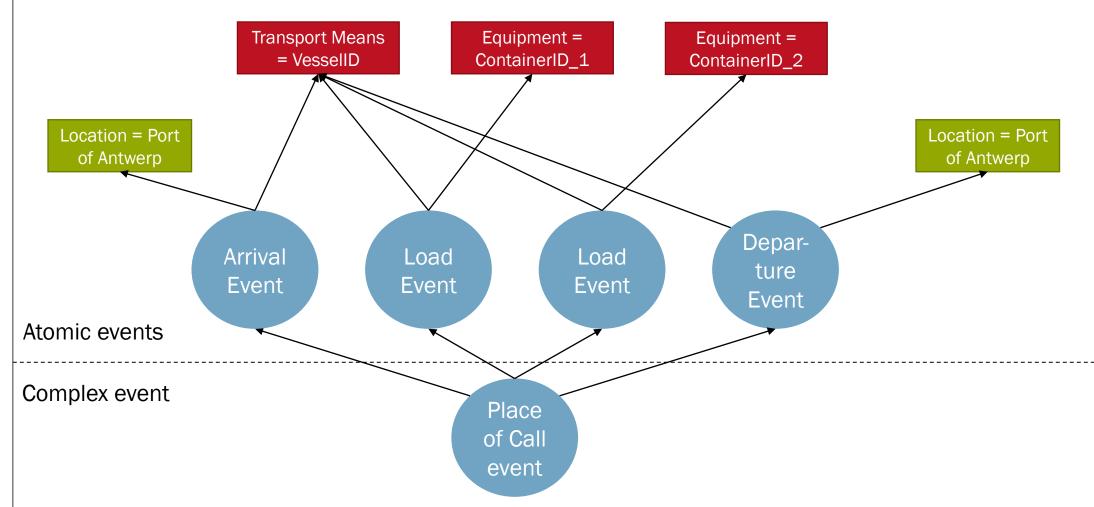
ATOMIC EVENTS





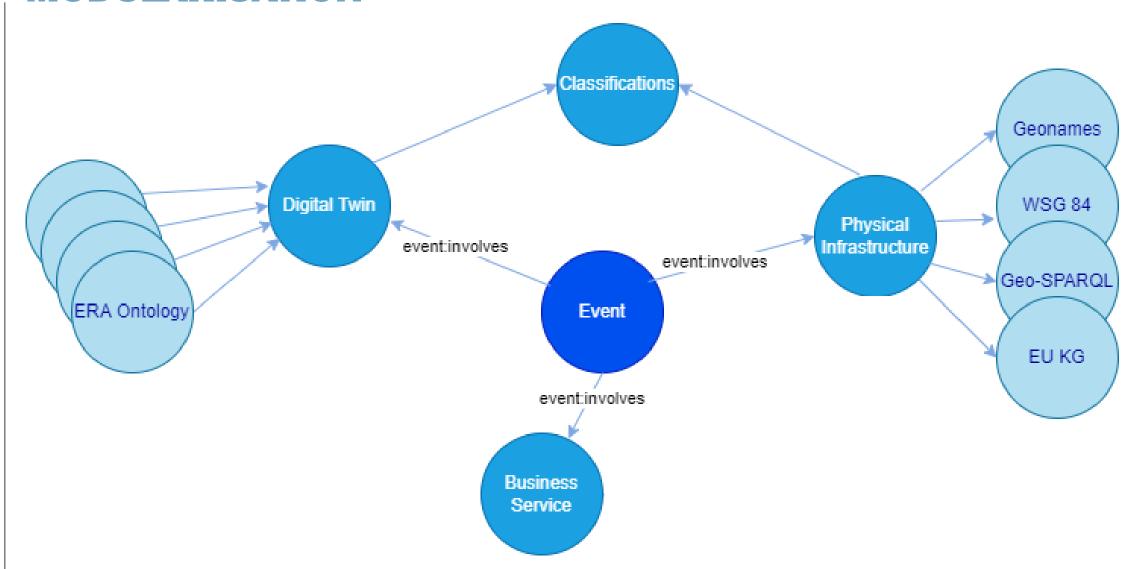
EVENT COMPOSITION

COMPLEX EVENT





MODULARISATION





FUTURE WORK & DISCUSSION

- > Event-based architecture for multi-modal data sharing
 - Reuse of existing infrastructure and geography models
 - Reuse of existing logistical models
-) Implementation in distributed data sharing environment ongoing in use-cases
-) Future work
 - Aligning with additional logistical models
 - Extending materialised triples to virtualised triples



