

- Logistics and supply chain management
- Innovation network
- Research & Development
- Knowledge sharing
- Demonstration & discovery
- New business opportunities
- THE hotspot for supply chain professionals

DINALOG DRIVEN BY OPEN INNOVATION



WWW.DINALOG.NL

ITS adoption in the logistics sector
NEWBITS final conference, 19 March 2019, Brussels

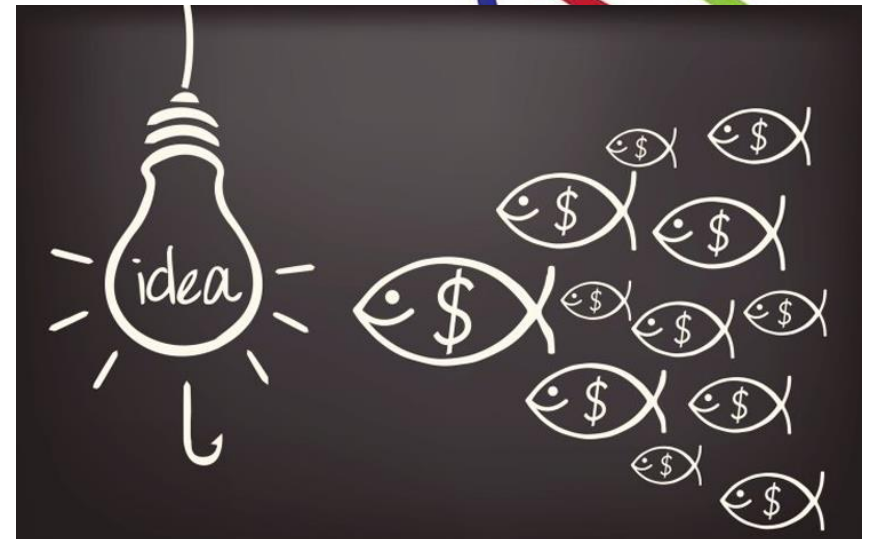
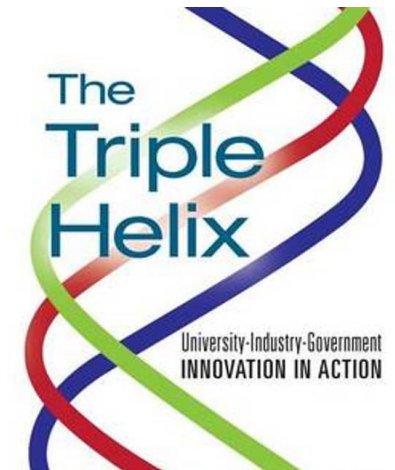
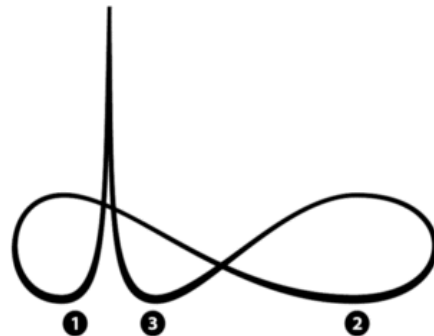


TKI DINALOG
Dutch Institute for Advanced Logistics



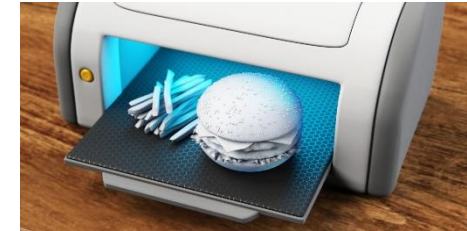
Topsector Logistics

1. Neutraal Logistics Informatie Platform / **Smart ICT**
2. **Synchromodal transport**
3. Freight Corridors
4. **Trade Compliance & Border Management**
5. **Cross Chain Control Centers**
6. **Service Logistics**
7. **Supply Chain Finance**
8. **Urban Logistics**
9. Sustainability
10. Foreign promotion
11. Simplifying legislation
12. Human Capital Agenda





Trends



COP21 · CMP11
PARIS 2015
UN CLIMATE CHANGE CONFERENCE



Why focus on ITS adoption

- **Need for integrated solutions**
- **ITS can add value to existing business solutions**
- **Stronger relation between Infrastructure and Logistics**
 - **Also from infrastructure management perspective**



Case: Synchromodal planning

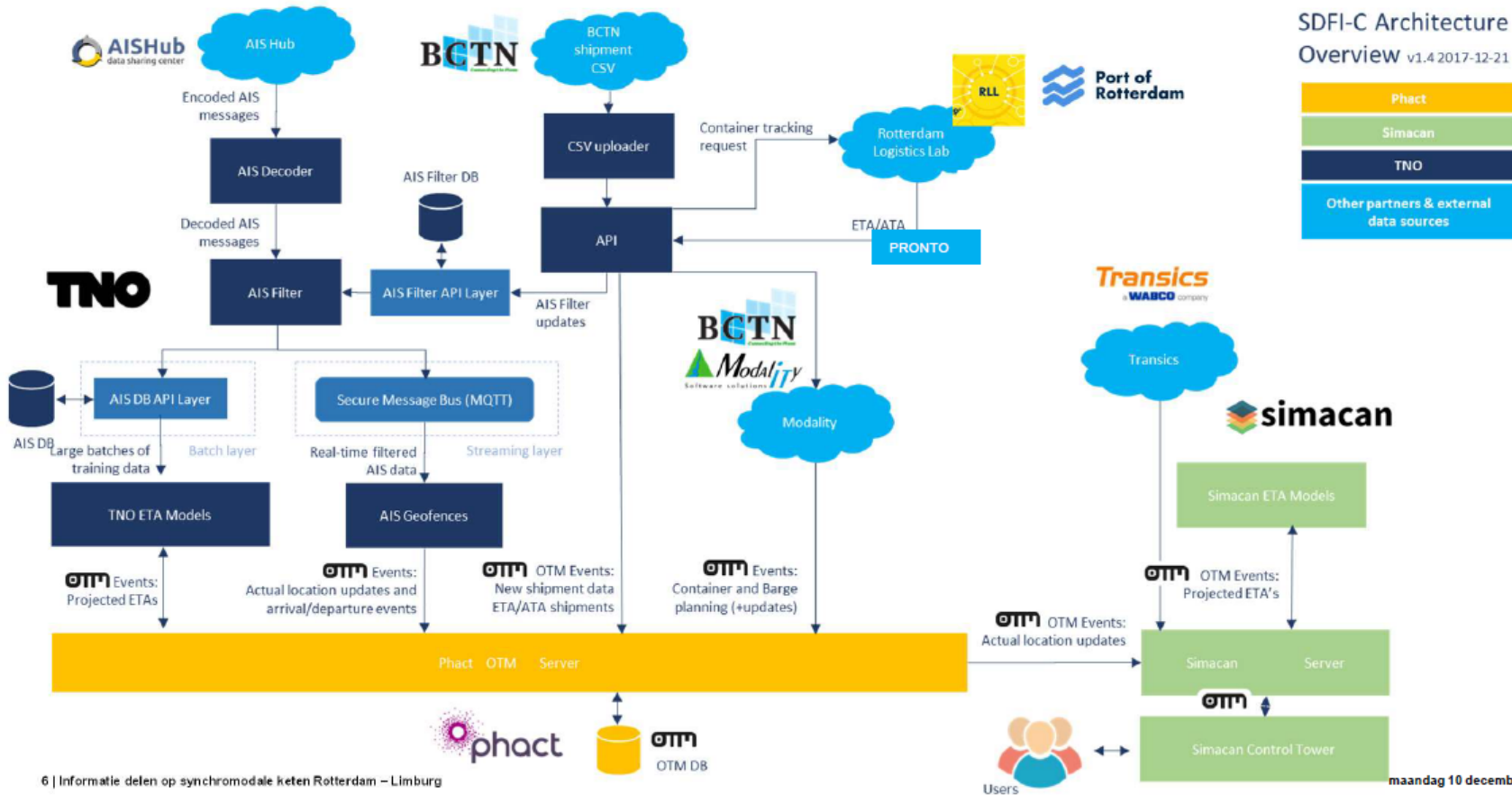
USE CASE SMART CONTAINER TRANSPORT CORRIDOR ROTTERDAM – REGIO VENLO / VENRAY





Case: Synchromodal planning

TECHNISCH ONTWERP - AANPASSINGEN

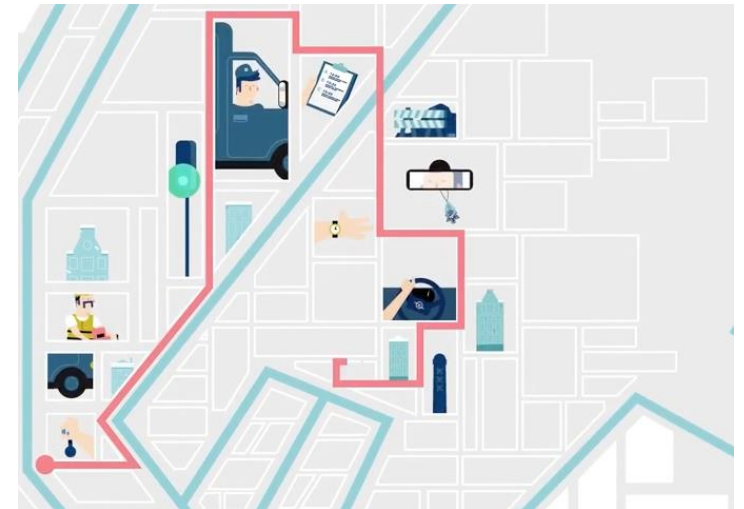


- Traffic info
- Truck Location
- Barge Location
- Container clearance
- Sea vessel ETA
- Planning operators

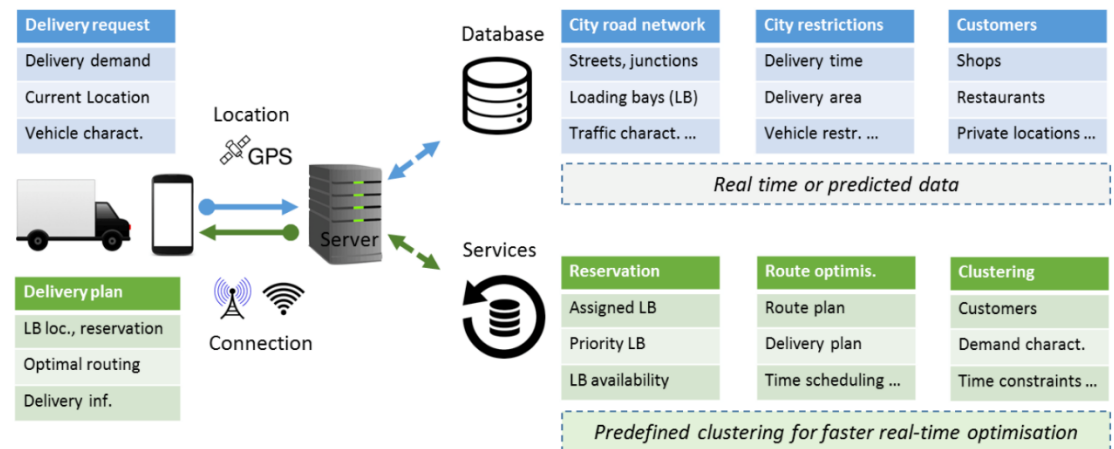


Case: ITSLOG

- **Problem: Truck drivers spending too much time in the city**
- **80% of truck driver time is within the city**
 - (national distribution)
- **A lot of time is looking for suitable loading/unloading zone**



- **Solution design**
- **Combination of ITS and operational data leads to better prediction and better routing**
- **Additional make reservations for loading zone**





Thresholds

- It is not only about tech!
- Relatively high initial investment
- Behaviour of organisations and professionals
- Trusting technology and data-sharing



iSHARE



Concluding remarks

- **Making ITS in Logistics work even better**
- **More holistic view of the problem**
- **Design solutions taking into account that it requires a transition**
- **Interdisciplinary research**
- **International approach in standardization and data-sharing**

- **How to move from a value case to business cases**