

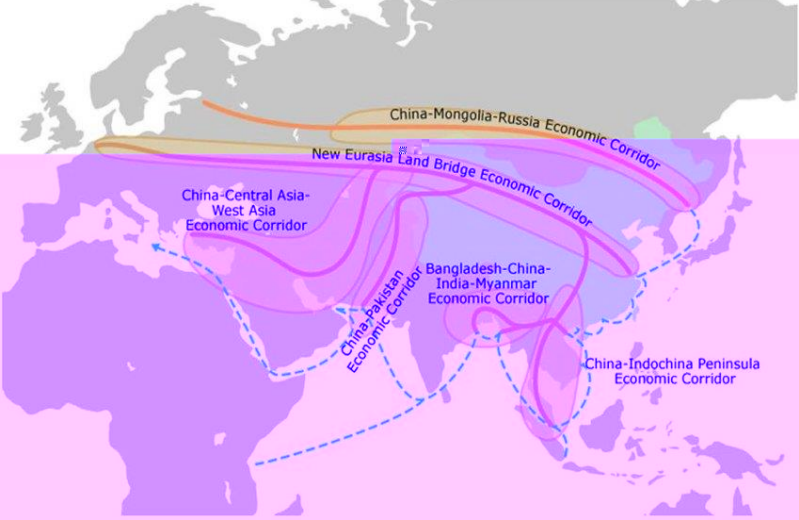


This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement No. 860274

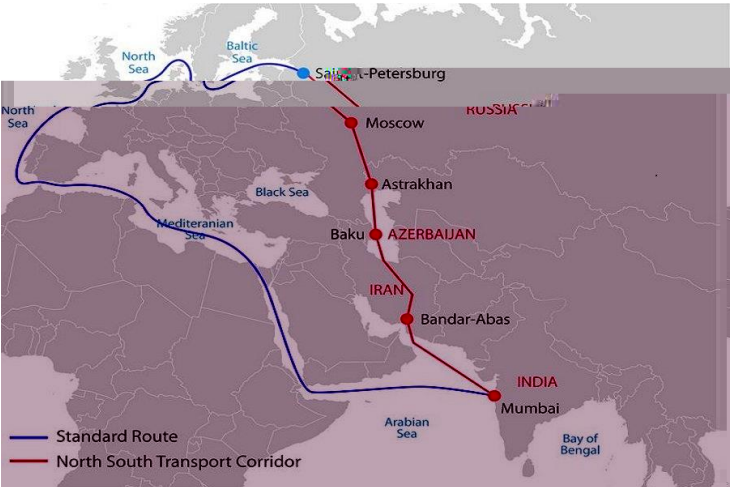
- **1. The emerging developments that influence the development of Transport Demand & Supply on the TEN-T (PLANET Position Papers \*)**
  - *Three emerging routes to Europe*
  - *New Railway corridors development challenges*
  - *Impact of the geo-economics and new trade routes on the TEN-T network*
  - *Other uncertainties*
  - *Overall impact summary to TEN-T*
- **2. The Integrated Green EU Global Transport and Logistics Network (EGTN) concept**
- **3. The Role of PI and the new disruptive transport, logistics concepts & technologies**
- **4. PLANET Integrated modelling and simulation capability**

*\*ERASMUS Un, PANTEIA, ITAINNOVA, UIRR authors of the PLANET PPs*

The Belt and Road Initiative: Six Economic Corridors Spanning Asia, Europe and Africa



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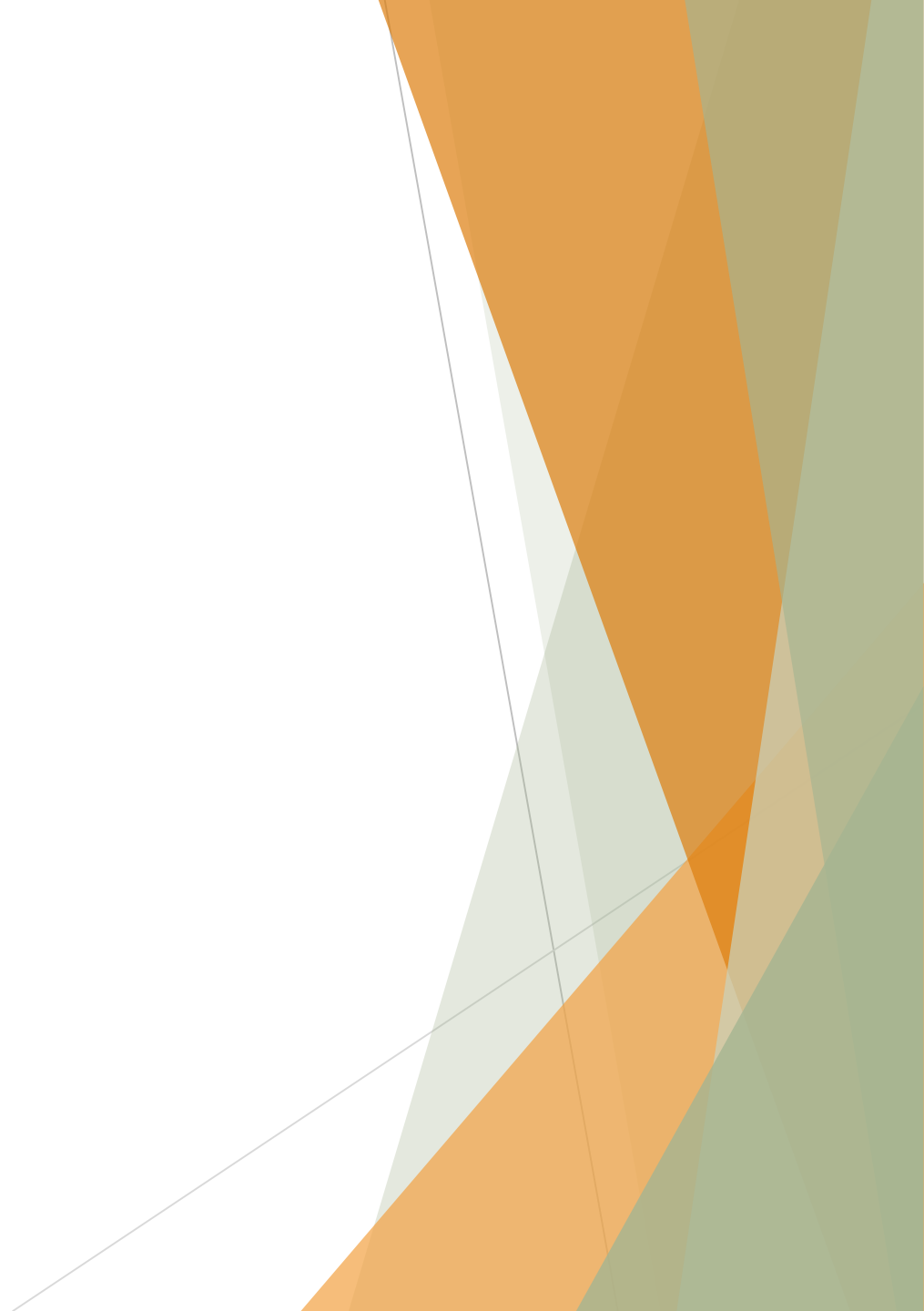
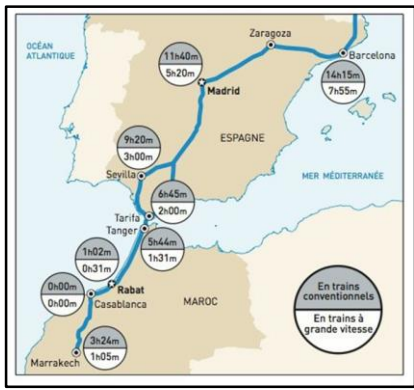
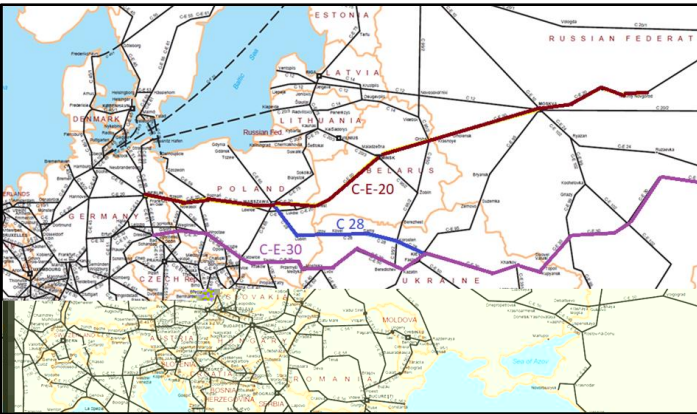
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*Corridors' competitiveness & resilience assessment*





*inland*

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*hinterland*

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➤ The position of China regarding *global warming* and the rate of success of Green Deal policies may significantly affect global warming. This *may affect negatively the water levels of rivers and thereby makes Inland Waterway Transport (IWT) unreliable and also increase the navigable periods in the Arctic region.*

➤ In 2019 we have seen that several big shippers announced to ban the Arctic route for shipping purposes because of moral reasons (Nike, Bestseller, Columbia, GAP, H&M, Kering, Li & Fung, PVH). These companies signed the so-called *Arctic Shipping Corporate Pledge of environmental organisation Ocean Conservancy*. As a result, container carriers also announced not to use the route for shipping purposes (CMA CGM, Evergreen, Hapag-Lloyd and MSC). It is uncertain whether these parties stick with their decisions when improved ice conditions result in safe and efficient navigability.



Horizontal line segment



Horizontal line segment



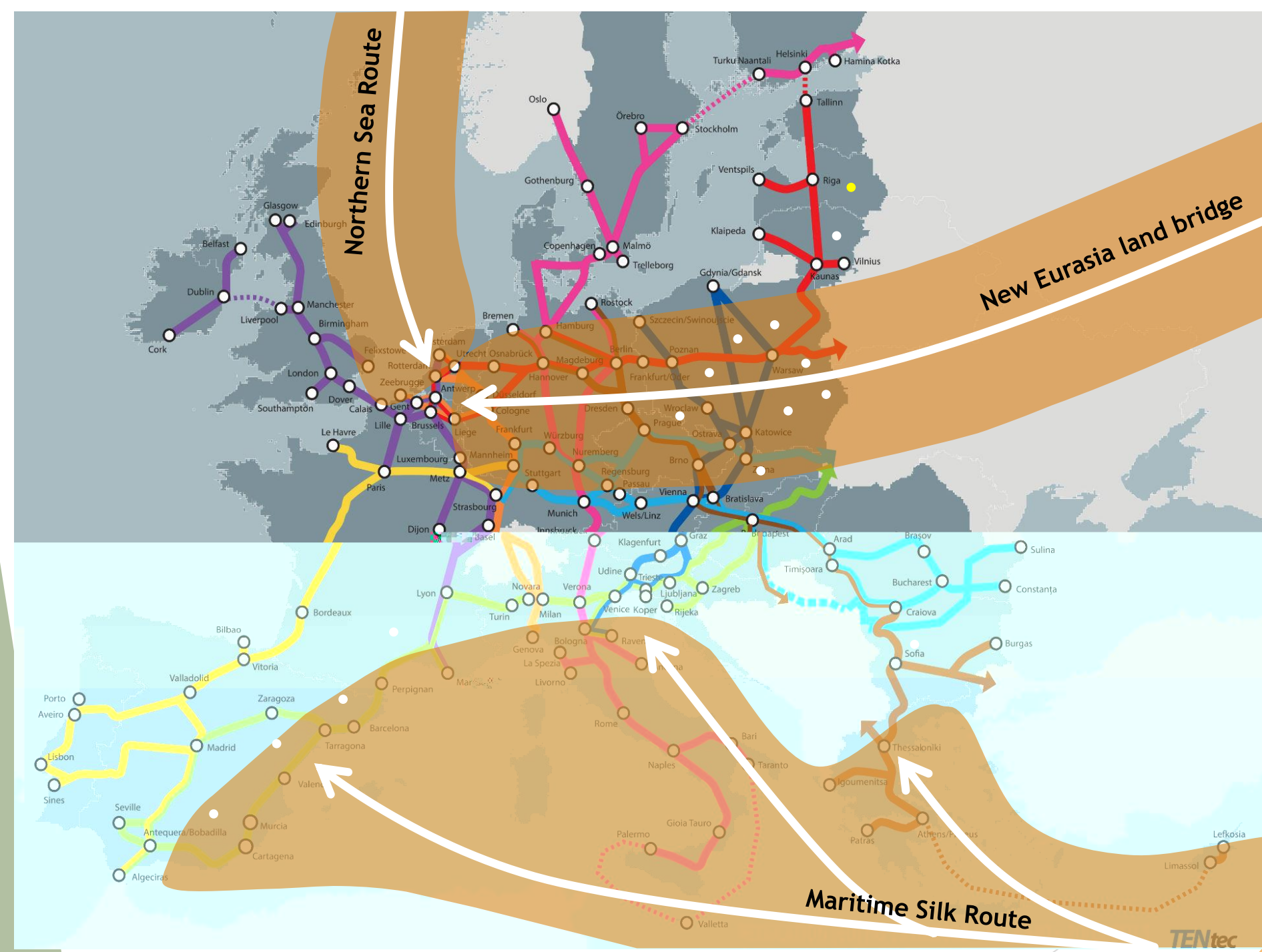
Horizontal line segment















\_\_\_\_\_ *How should the EGTN be structured in terms of physical corridors  
and nodes*

\_\_\_\_\_ *How should the EGTN be structured in terms of its  
technological infrastructure in order to operate under a PI paradigm?*

\_\_\_\_\_ *How should the EGTN be governed in order to operate  
effectively*

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*New trade routes for  
Europe Simulation Scenario*



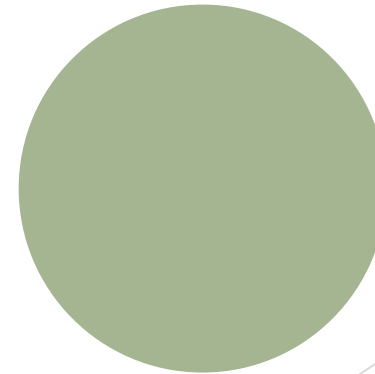
*TEN-T Corridors & Nodes as  
impacted by New Trade  
Routes Simulation Scenario*



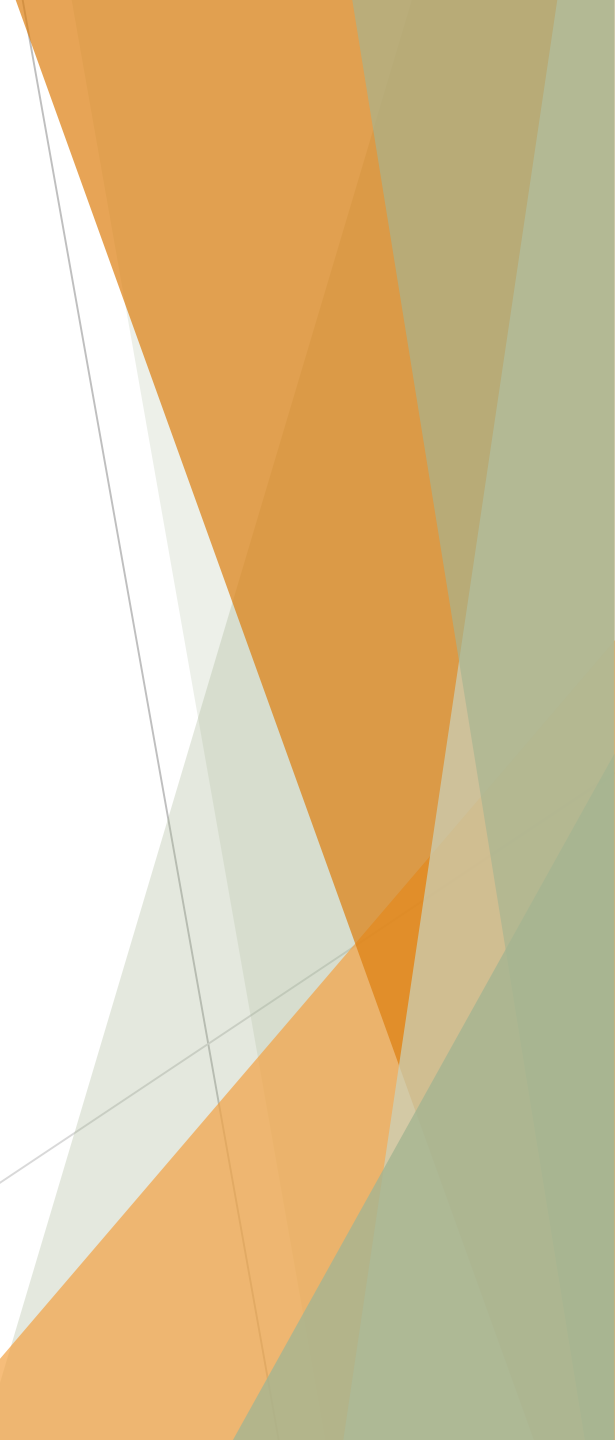
*Railway transport-  
corridors to/from Europe  
Simulation Scenario*

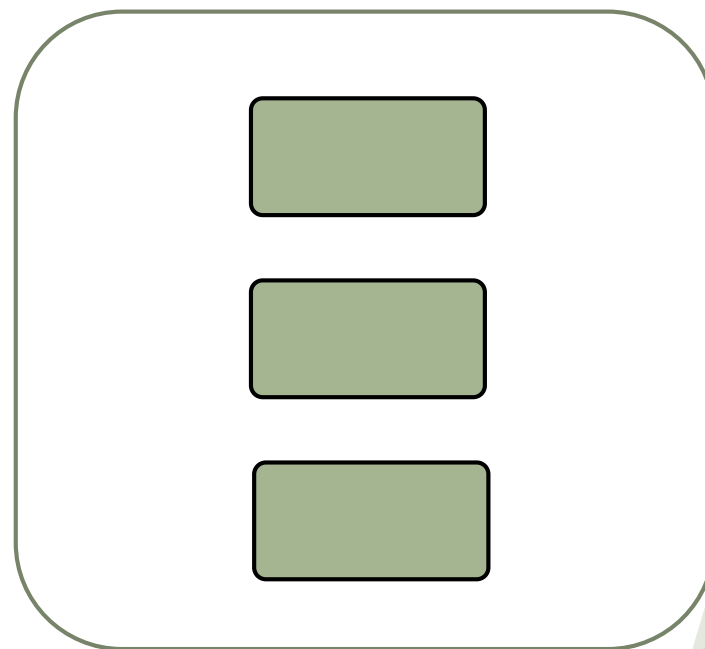
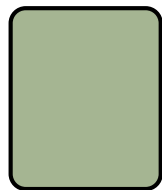
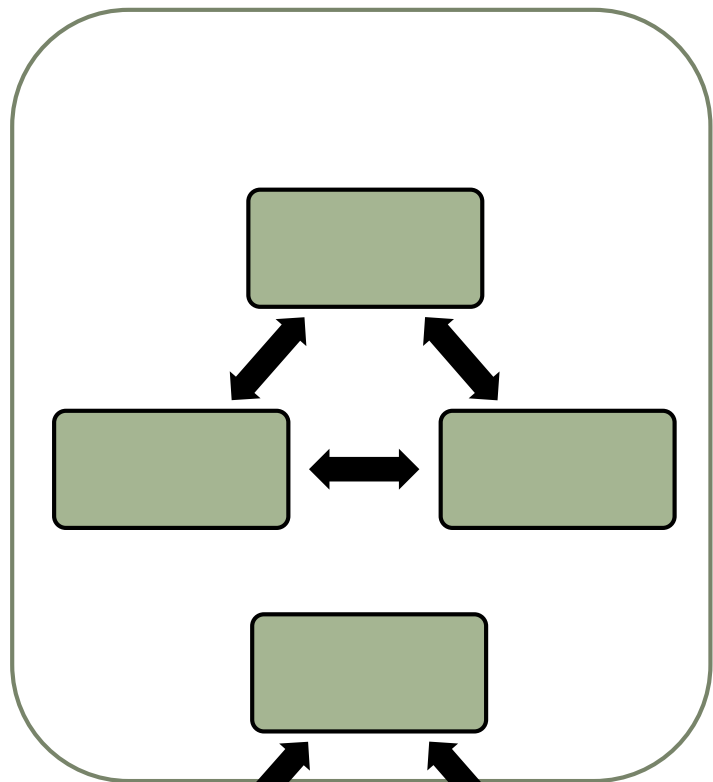


*Physical Internet Paradigm  
Simulation Scenario*











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