

# F BGI VPB g B B

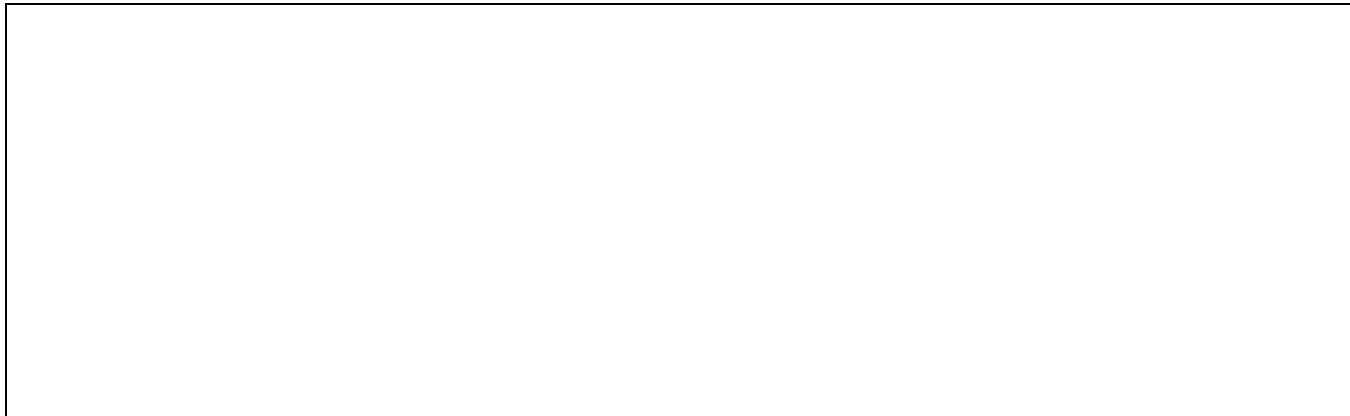
## Document Summary Information

I c Ei gg g B B		Ce B	
nvkrB			
U c Bfc gB		F c k B	
R lge BWTNB			
kg cdngB			
nvRcenti gB			
E ce crif gfc gB		Ce cB d k k Bfc gB	
Pc gB		Fk [REDACTED] gB	
Ngcfdg ghekc B			
Tg ldrgk j B			
E ld k B B			

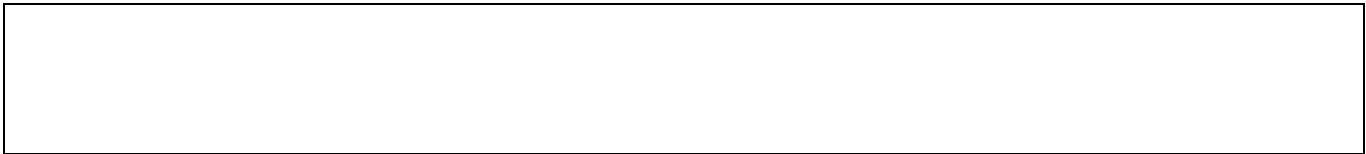


## Revision history (including peer reviewing & quality control)

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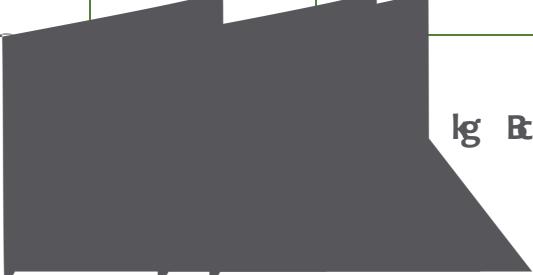



k gB  
c B

K f e k B  
 Oc k i B R N C P G V B B

Table 1: Adherence to PLANET's GA Deliverable &amp; Tasks Descriptions

R N C P G V B C B E g B V k g B	R N C P G V B C E g B r k g B	█████████████████████ F e g B E j c g B	L k k e c k B
F G N K G T C D N C B			
VC U M B	B		

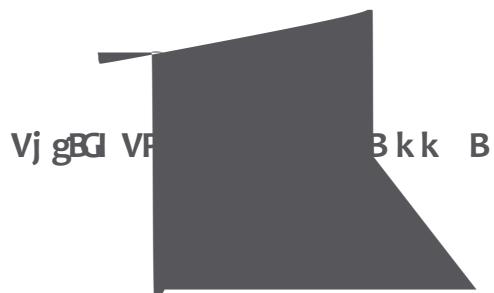



kg   B   f   g   B   e   g

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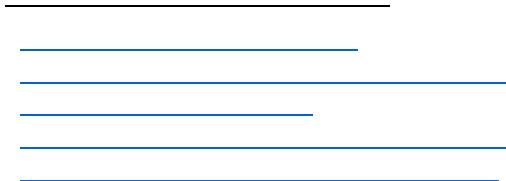
Q VPB c g nB

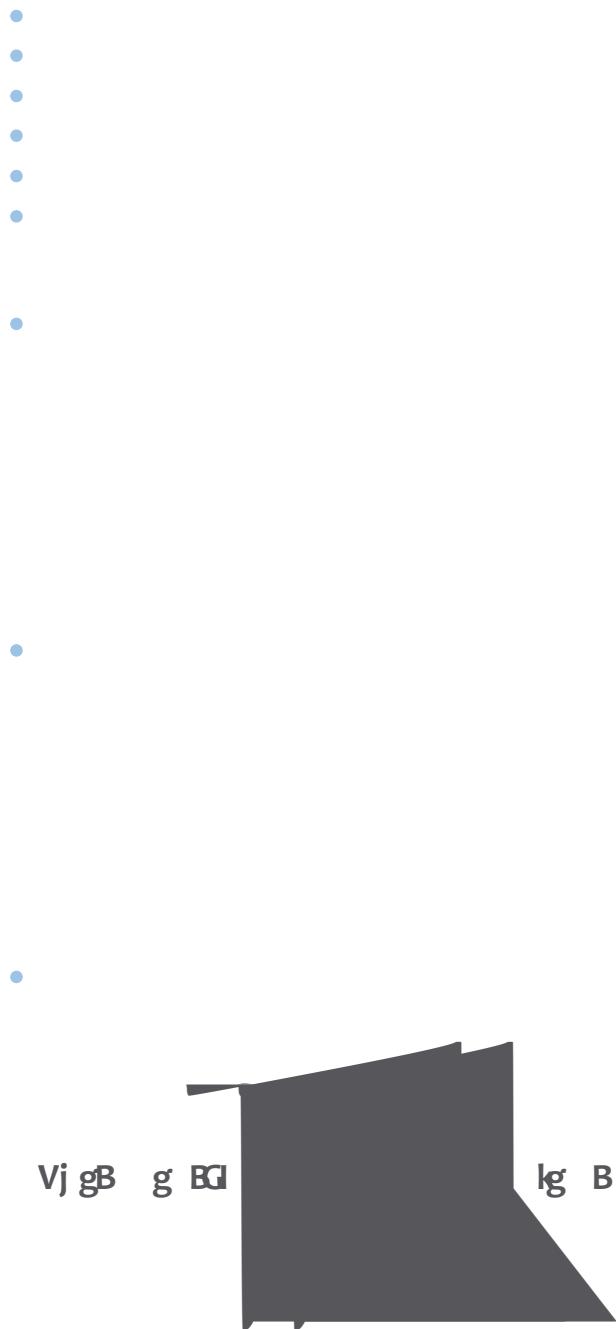


Vj gBQ VP

B kk B

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k k i BnCd B fB gBec g B

k k i BnCd B

China

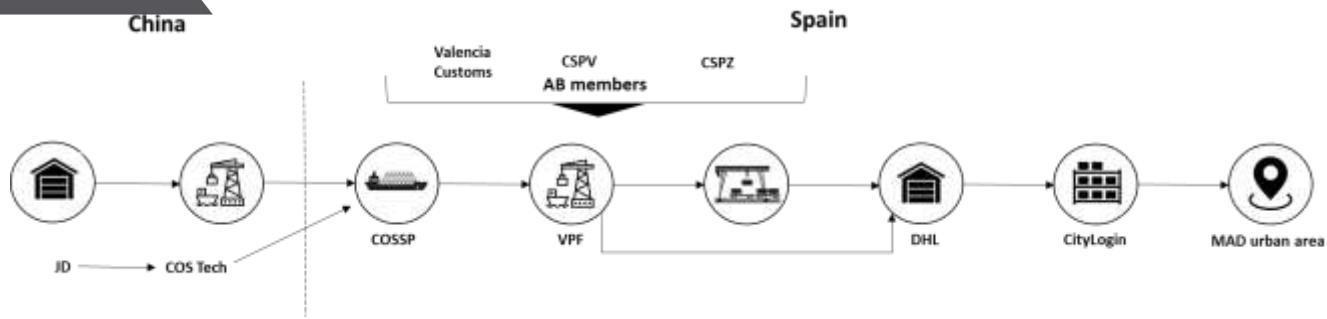


Figure 2: LL1 D2D transport chain and actors involved

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Table 2: LL1 UC1 EGTN technologies and expected benefits (from PLANET D1.2)


Table 3: LL1 UC2 EGTN technologies and expected benefits (from PLANET D1.2)

 k k i Bn dB B	

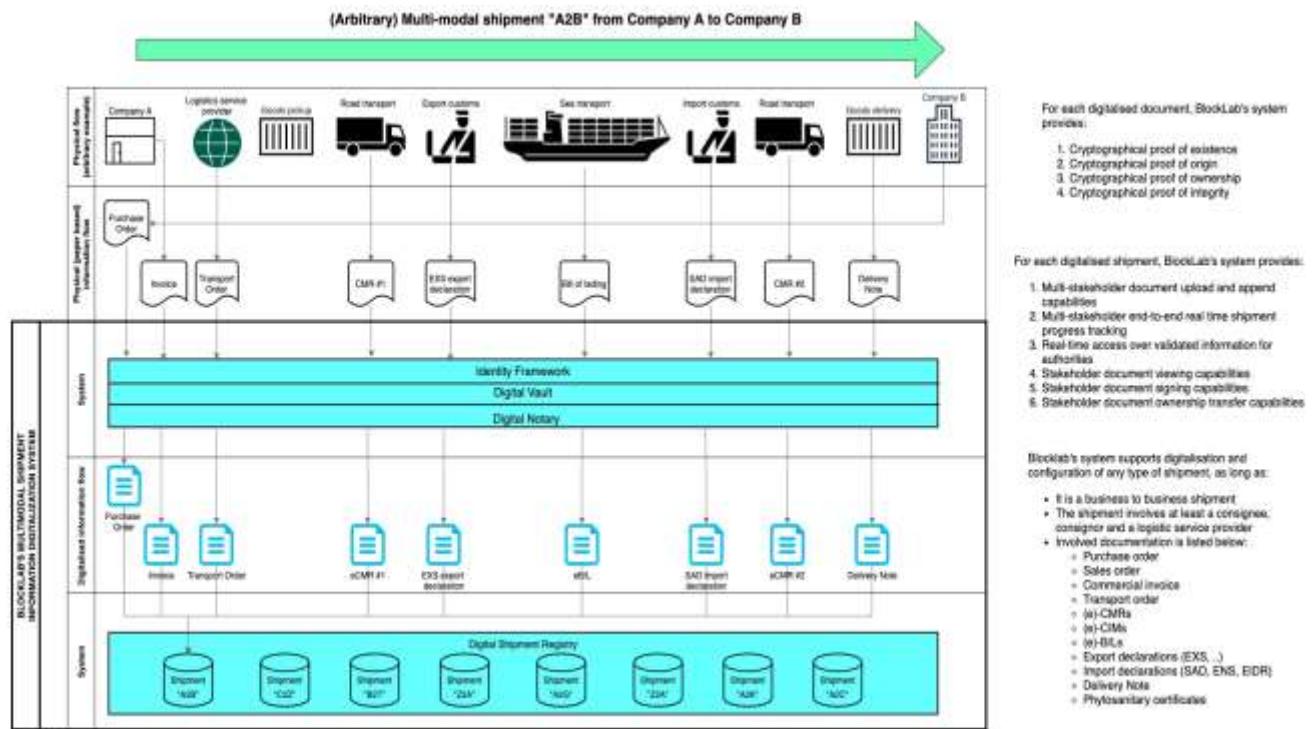


Figure 3: Living Lab 2, Use Case 2-Blockchain enabled platform

Table 4: LL2UC1 EGTN technologies and expected benefits

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	<ul style="list-style-type: none"> <li>•</li> </ul>

Table 5: LL2UC2EGTN technologies and expected benefits

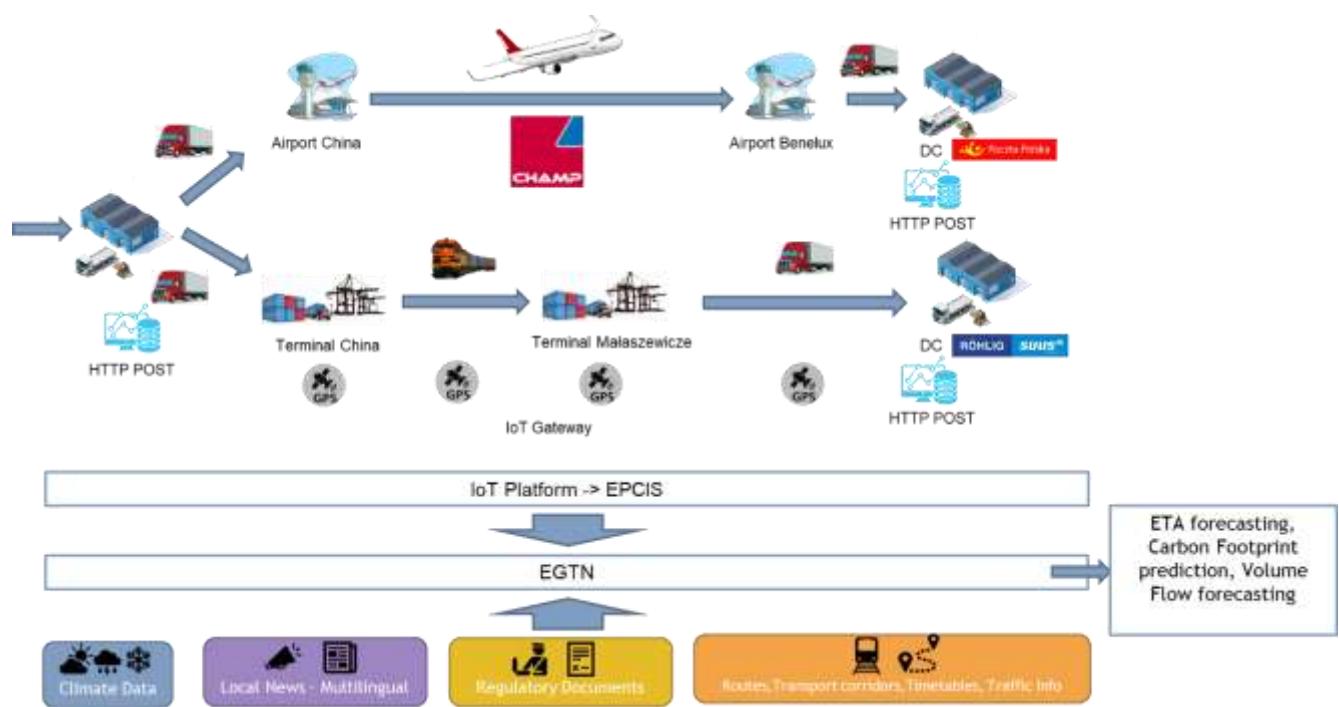
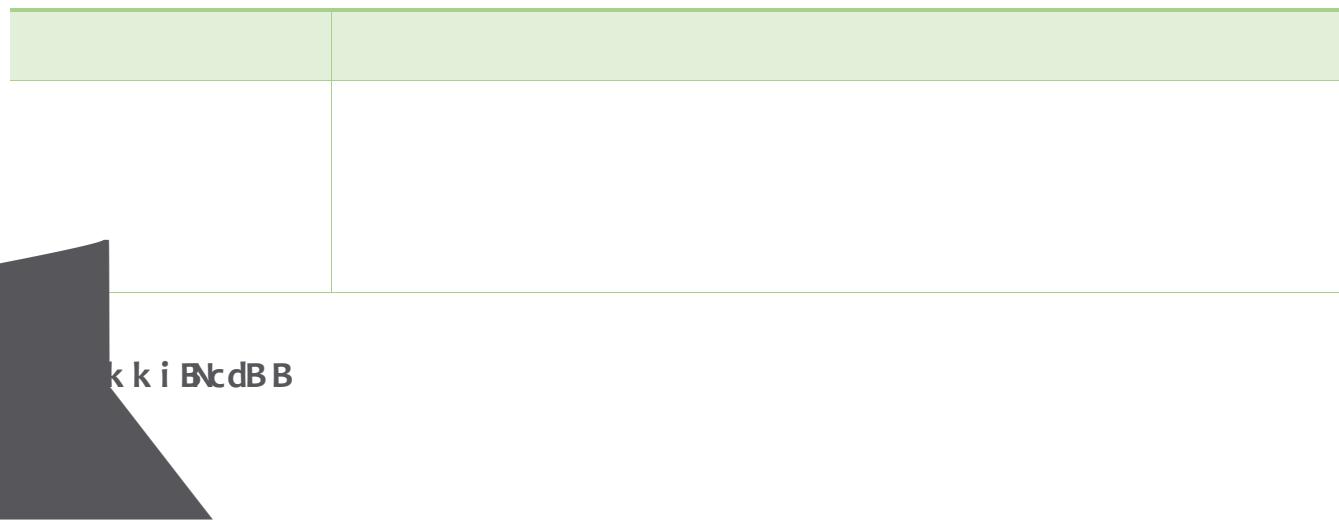


Figure 4 LL3 use cases scenarios

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Table 6: LL3UC1 EGTN technologies and expected benefits

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	● ●







Figure 7: Yixinou Series Train Operation Diagram as per today

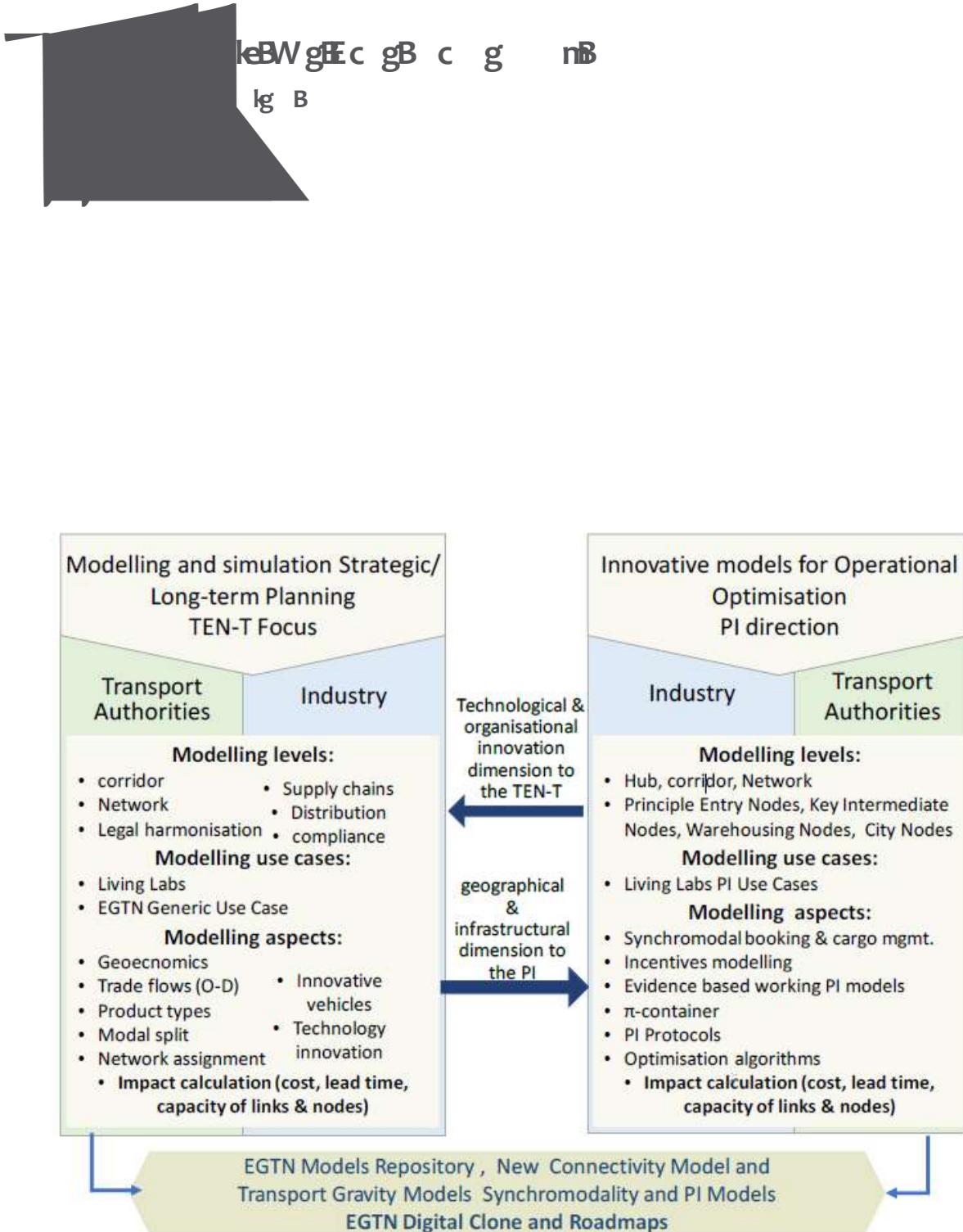


Figure 8: PLANET's modelling and simulation scope and approach (from PLANET DoA)

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E g B BR k ek rg Bn Be k i B j g B g g le B W g E c g B

Table 8: Generic Use Case Attributes

Generic Use Case Attributes	

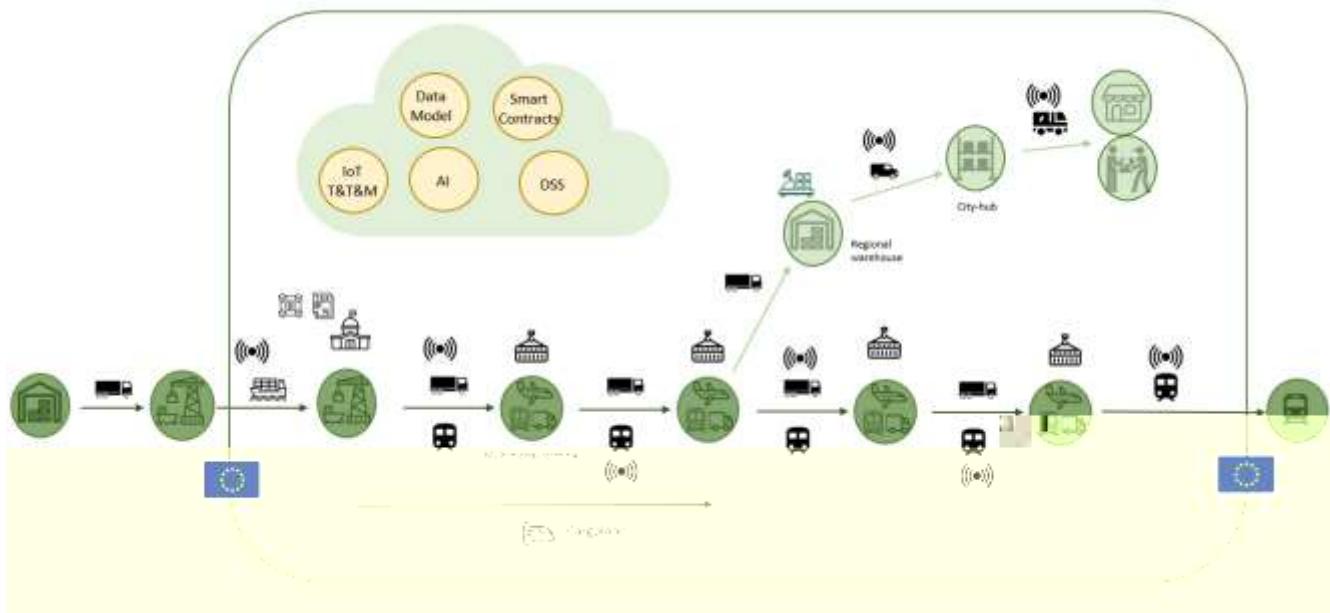


Figure 9: EGTN Generic Use Case overview

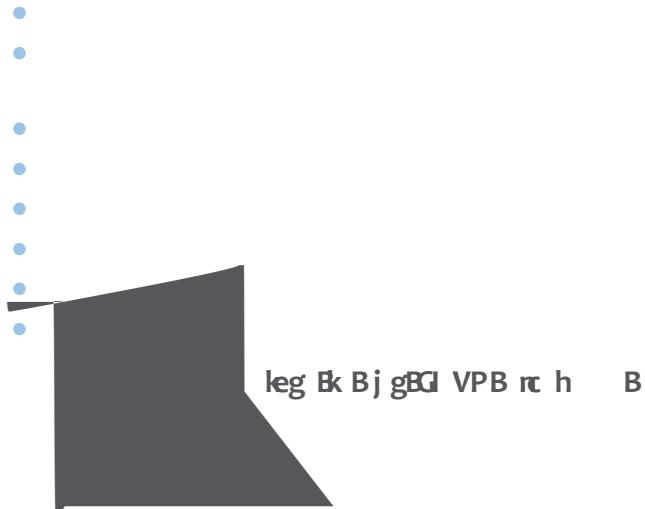


Table 9: Services to be hosted by PLANET EGTN Platform (under construction)

Services to be hosted by PLANET EGTN Platform (under construction)			

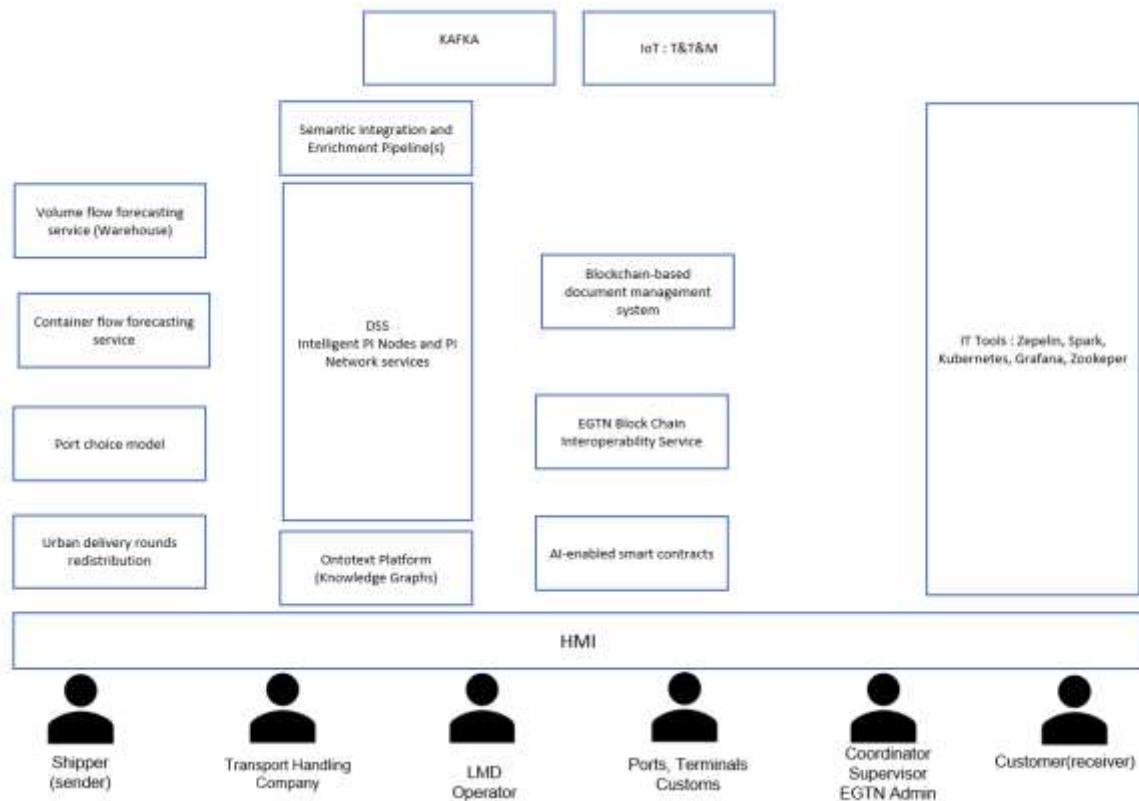


Figure 10: Representation of the current services in the EGTN Platform

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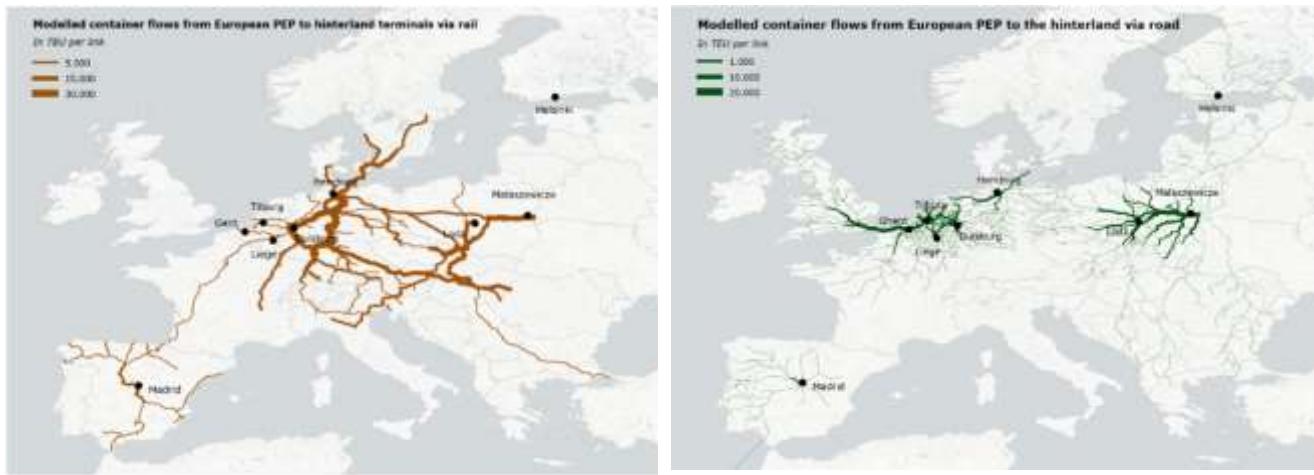


Figure 11: Modelled container flows from China to the European PEP on the rail/road network (2019)

Table 10 Trade volumes from China to Europe, via nodes on the Iberian Peninsula (2019)

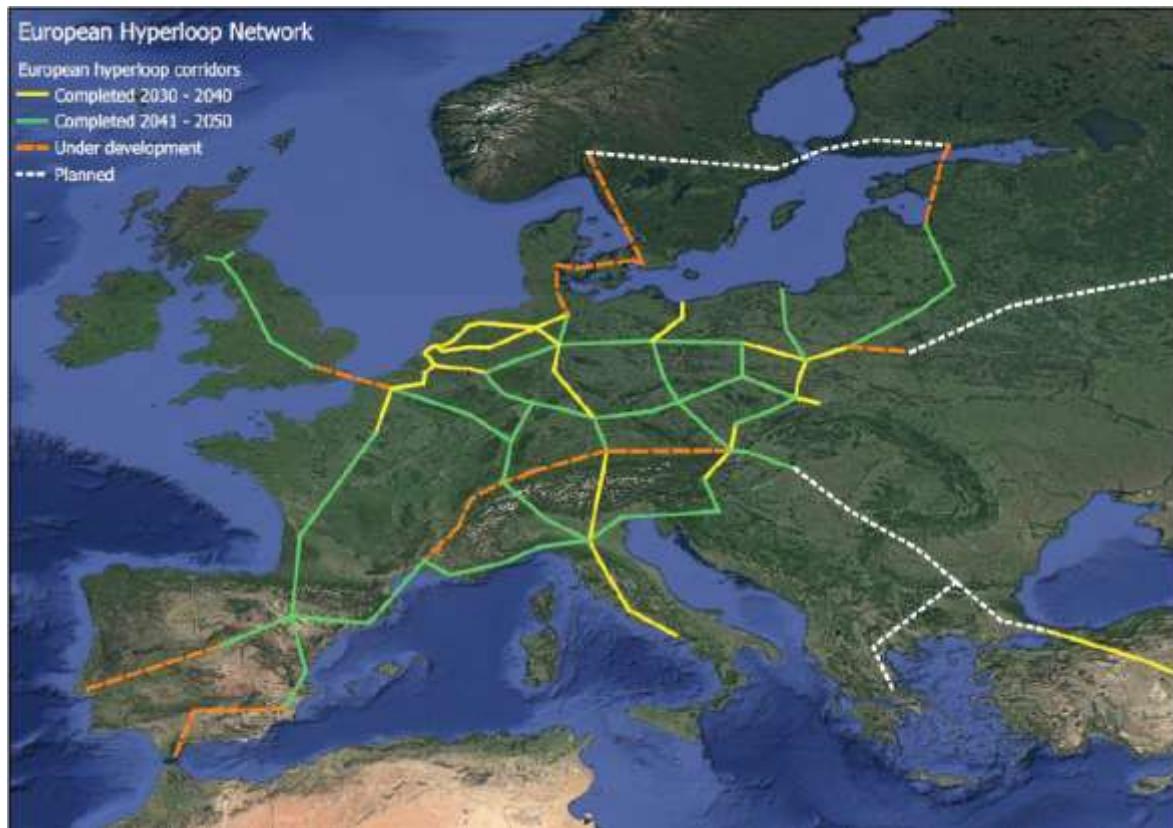


Figure 12 European hyperloop network

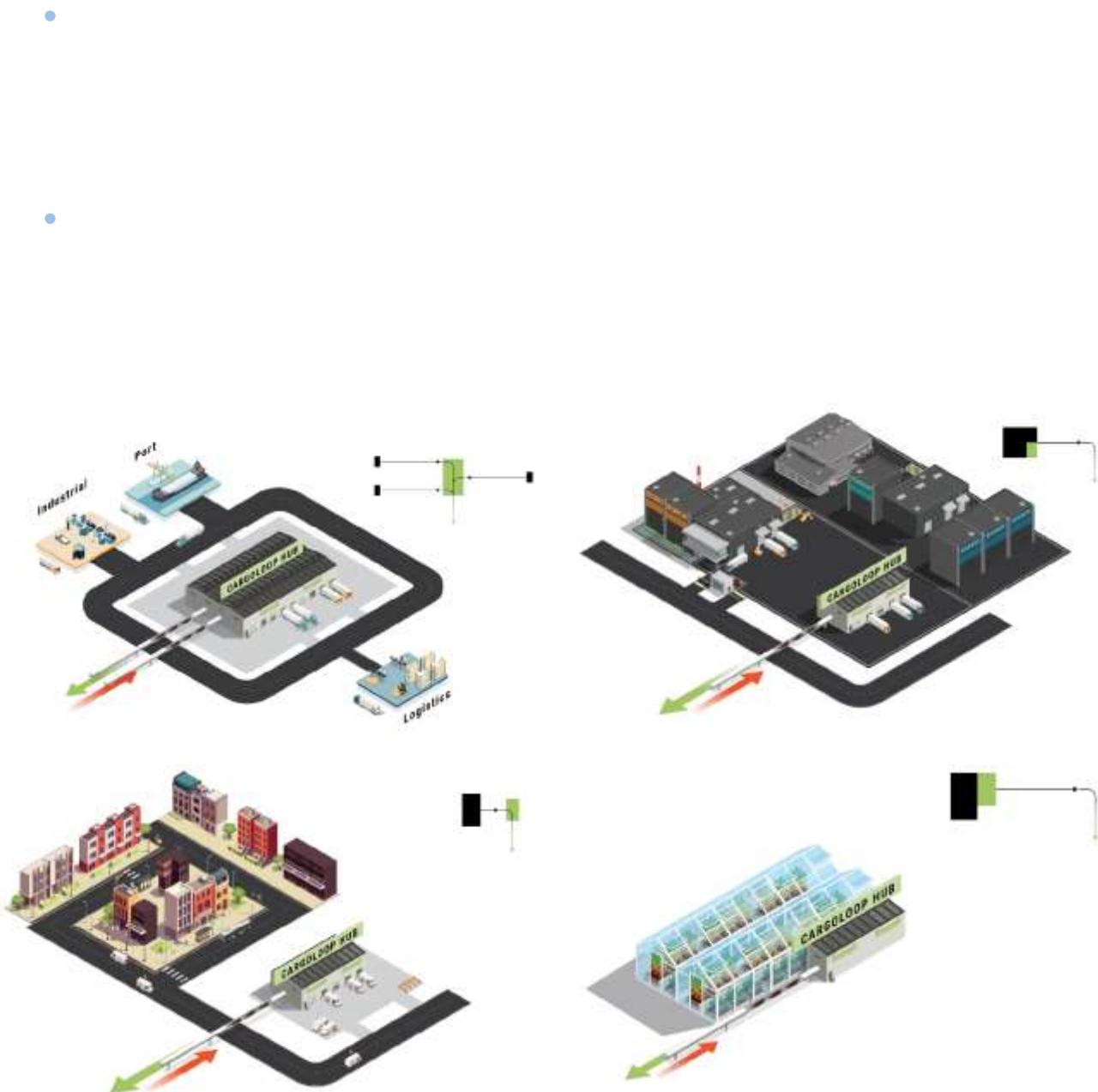


Figure 13 Types of cargo hubs

G VPB g g keBWgE c gBk n k Bf g k B  
Uk n k B gB

Ueg c k Bf ghk kk e hi c k B

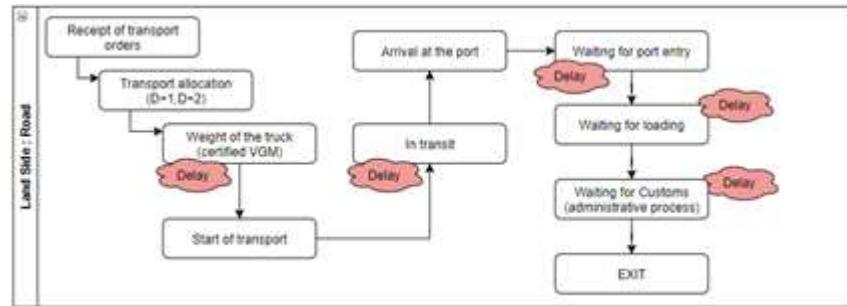


Figure 14: AS IS “truck” agent process diagram

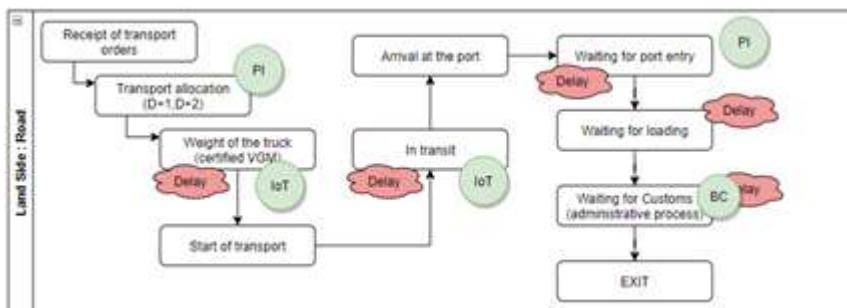


Figure 15: Technology-enabled “truck” agent process diagram

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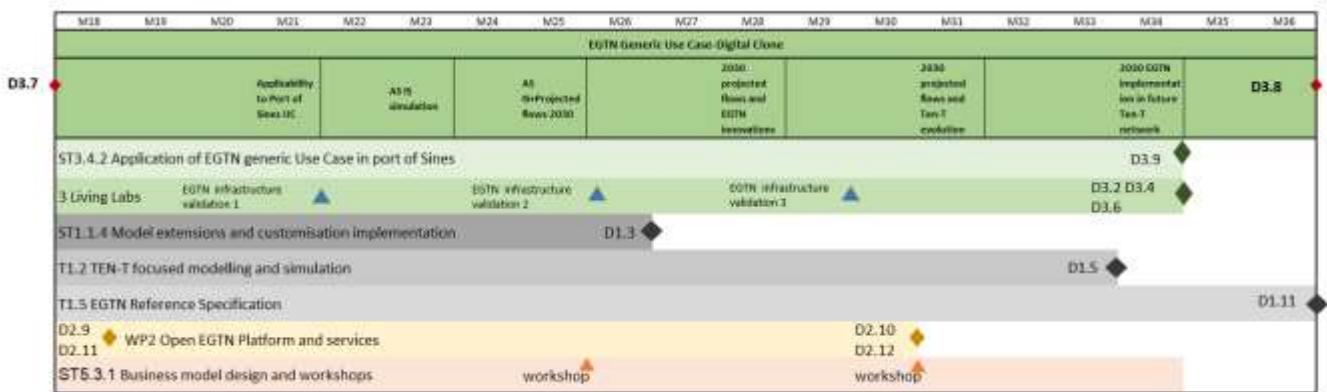


Figure 16: High level timeline of the simulation plan

G VPB g g keBWgE c gE g g E g j f n i B

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Table 11: KPIs used in the Generic Use Case assessment, classified per category

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K g k k e c k B f B g i c i g g B k g g g f B i g B e r g g c B  
g m B f B g B e c g B  
c n g B g m C c n k B

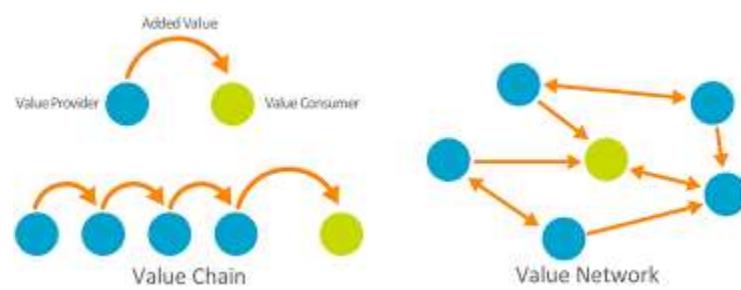


Figure 17: Value chain vs Value network perspective [9]

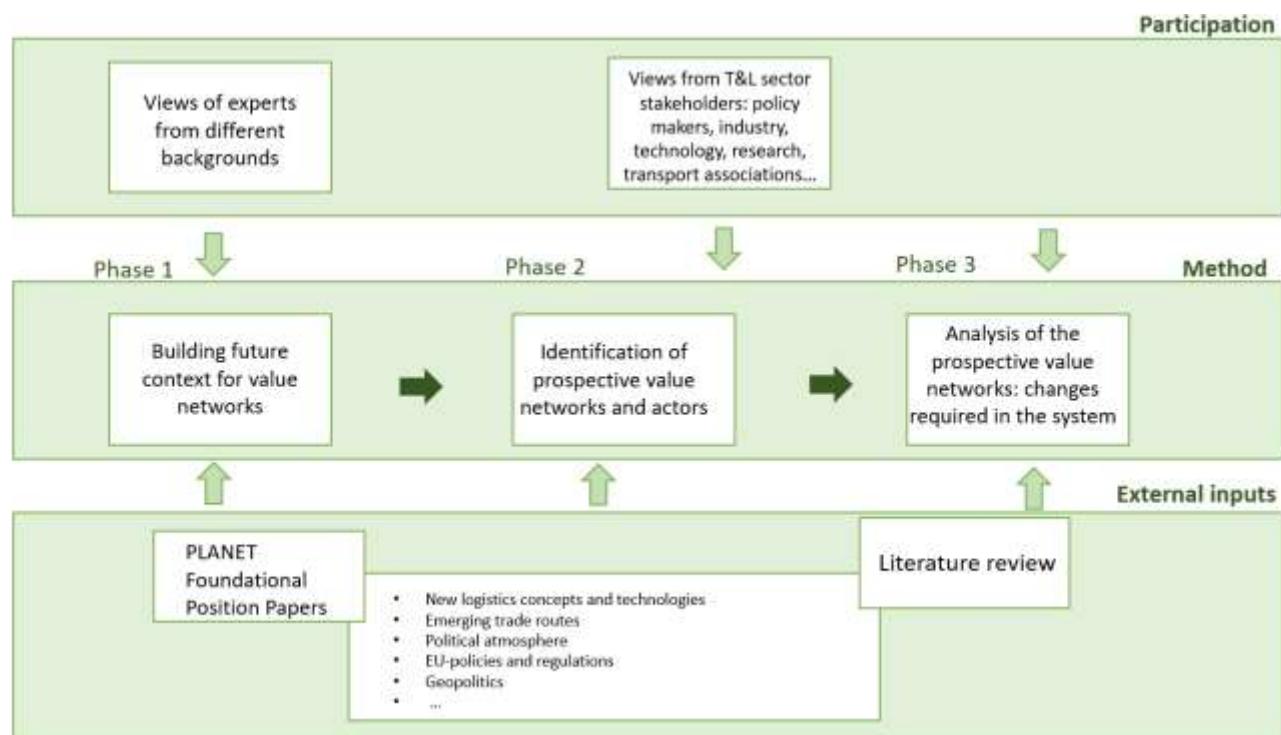


Figure 18: VNA process applied in PLANET (adapted from Tuominen, 2015)

			Scenarios			
		Variation	Scenario 1	Scenario 2	Scenario 3	Scenario 4
PP1	All main critical uncertainties	High	✓			
	Impact of drought (climate change)	Low		✓		✓
	World economy	Regionalization	✓	✓		
		Globalization			✓	
PP2	Location of production	High				
	Development of digital solutions	Low				
	Development of hard infrastructure	High				
PP3	Level of door-door document harmonization EU/ transit countries / origin countries	Low				
	Railway infrastructure interoperability	High				
	Restrictions on transport of dangerous goods	Reduced				
		Remaining				
	Level of Chinese subsidies	Reduced				
PP4	EU PI supporting Policy	Stable				
	PI adoption	Weak	✓	✓		
		Strong		✓	✓	
		High	✓	✓	✓	
		Low		✓	✓	✓

Figure 19 Future EGTN scenarios as per the project Position Papers (st 1.1.2)

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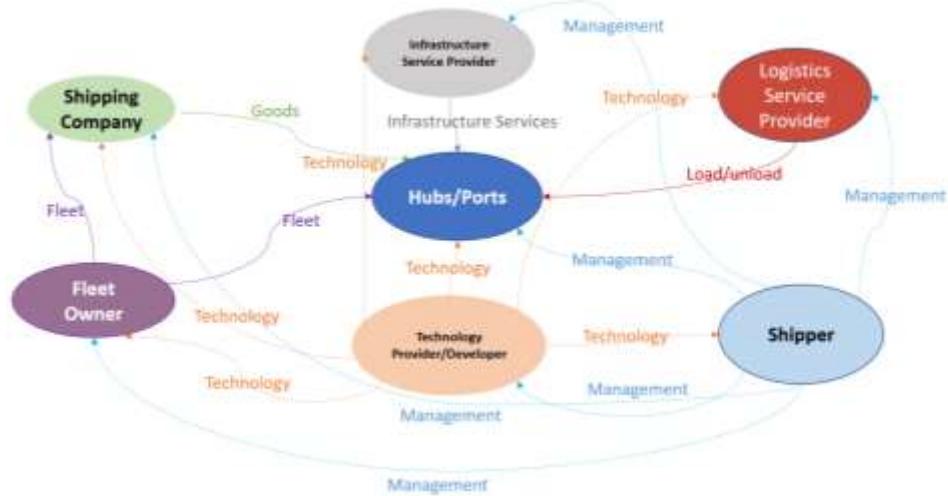


Figure 20: General Example of value network applied to a Transport & Logistics environment (based on PLANET's D5.1)

Value Chain/network activities	Actors	Value creation	Value capture/needs	Supportive activities

Figure 21: Template for the value chain/network analysis (from [8])

cn gPg      nC cn kB kB grge gfB gPg c g B

E en k B fB c B1 c fB

Tghg g eg B

*Management and Economics Engineering 14*

*Business,*

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