

# GREEN LOGISTICS

The impact of vehicle technology and vehicle development

Sechste Deutsch-Chinesische Konferenz

Berlin 22.06.2017

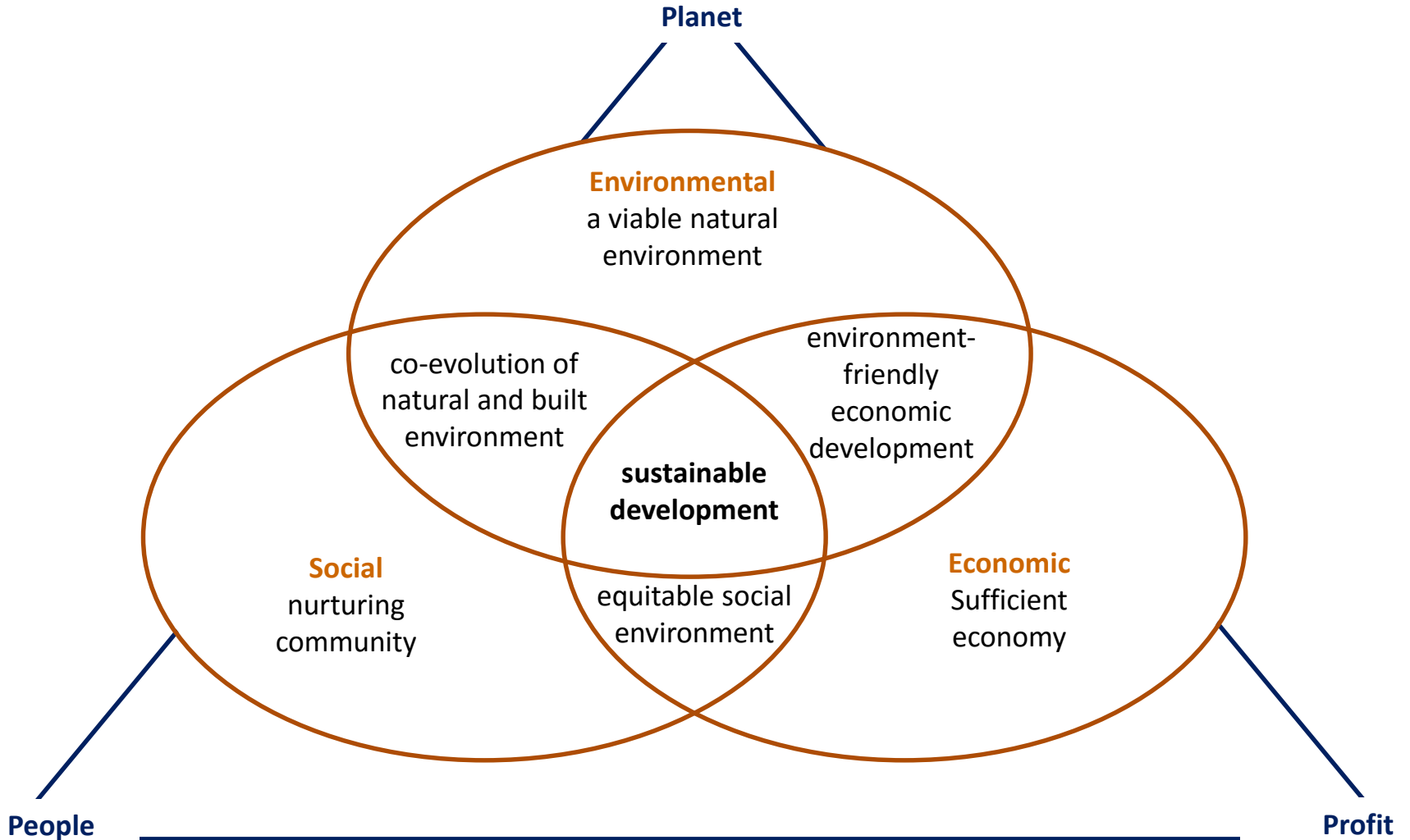
zur Umsetzung des Aktionsplans „Grüne Logistik“

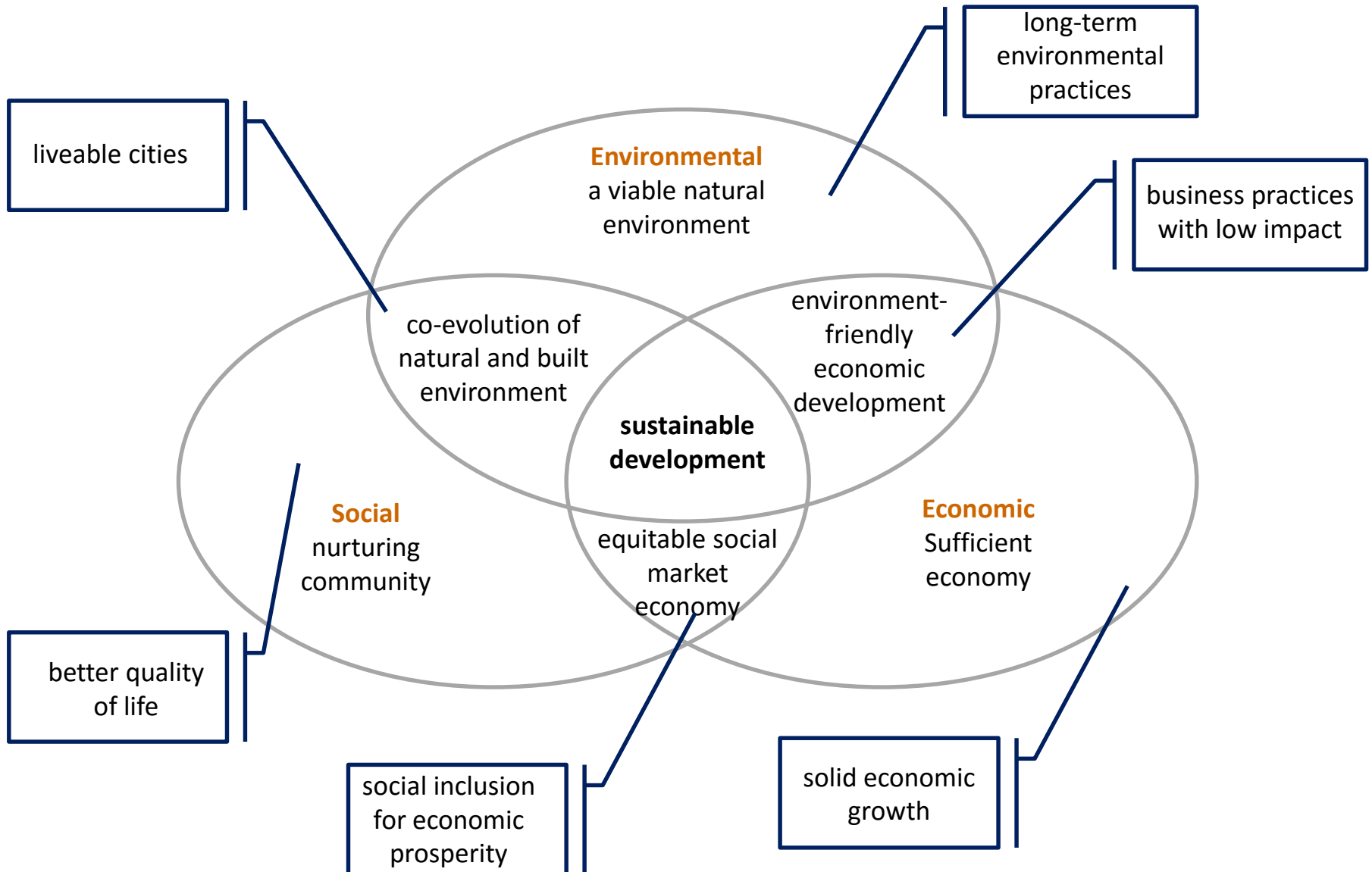
**Prof. Dr. Tobias Bernecker**

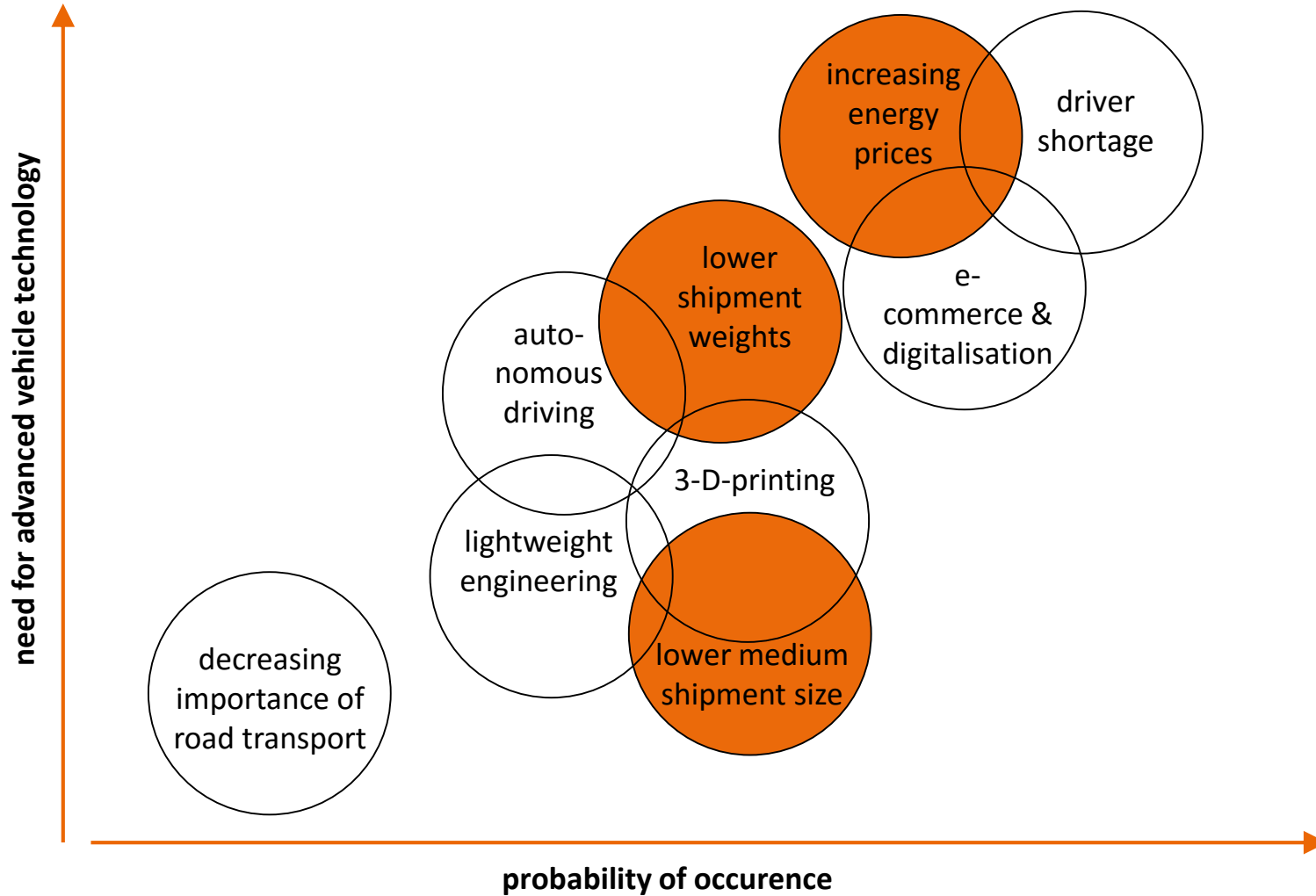
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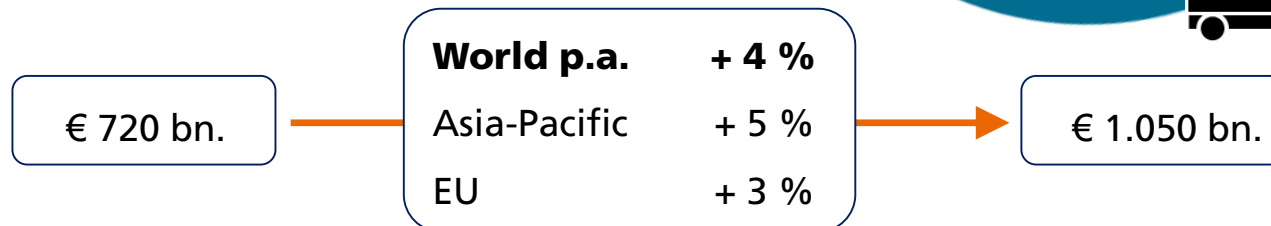
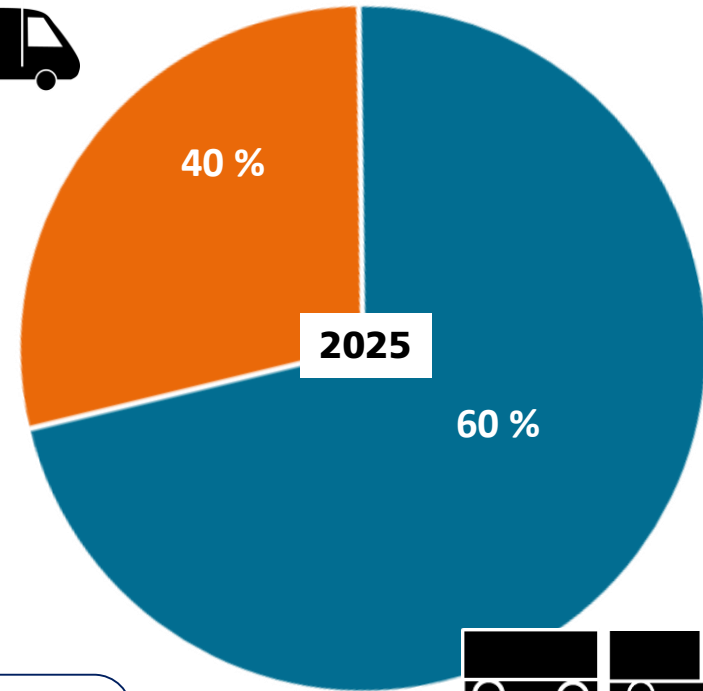
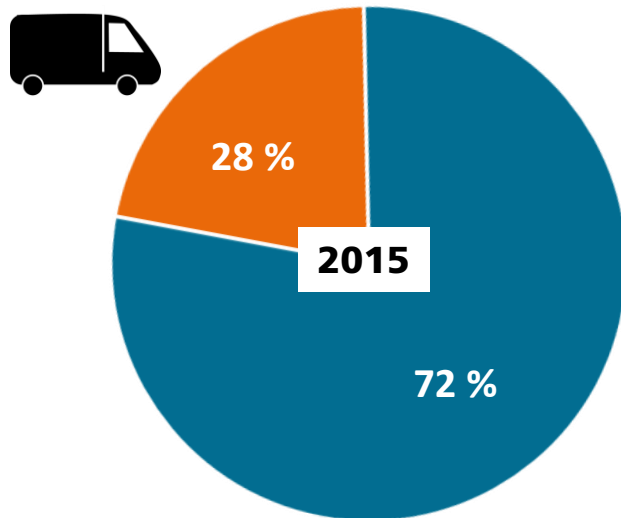
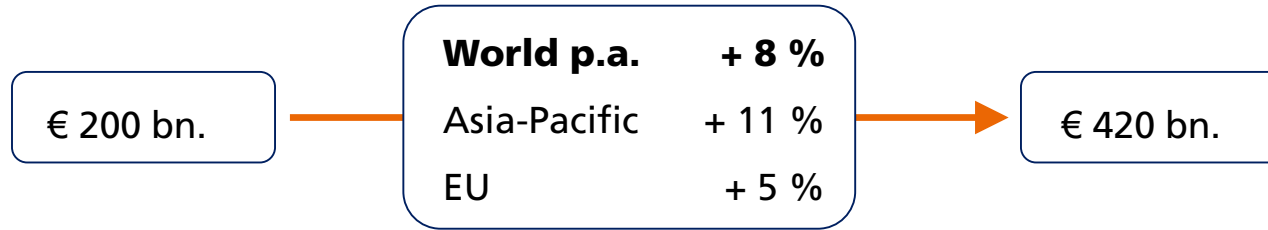
Verkehrspolitik und Verkehrswirtschaft



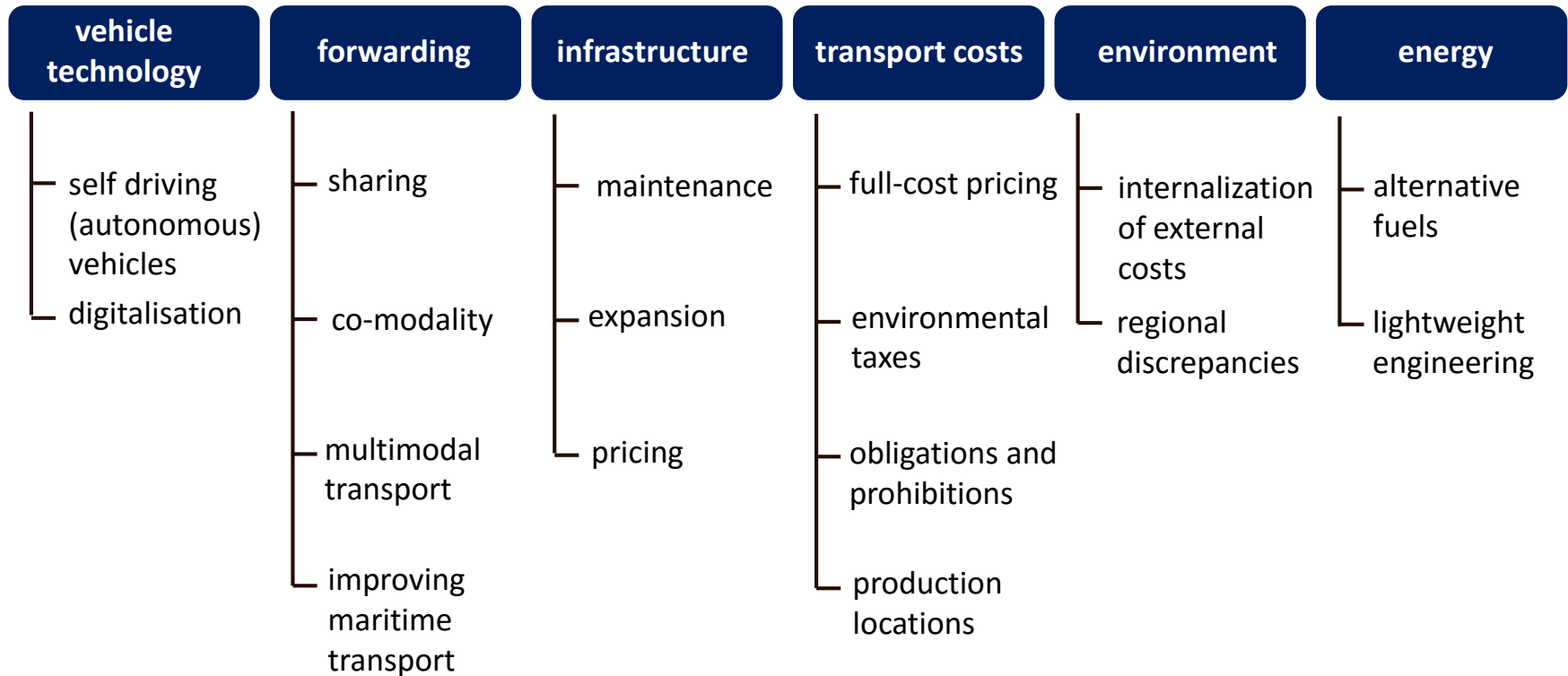


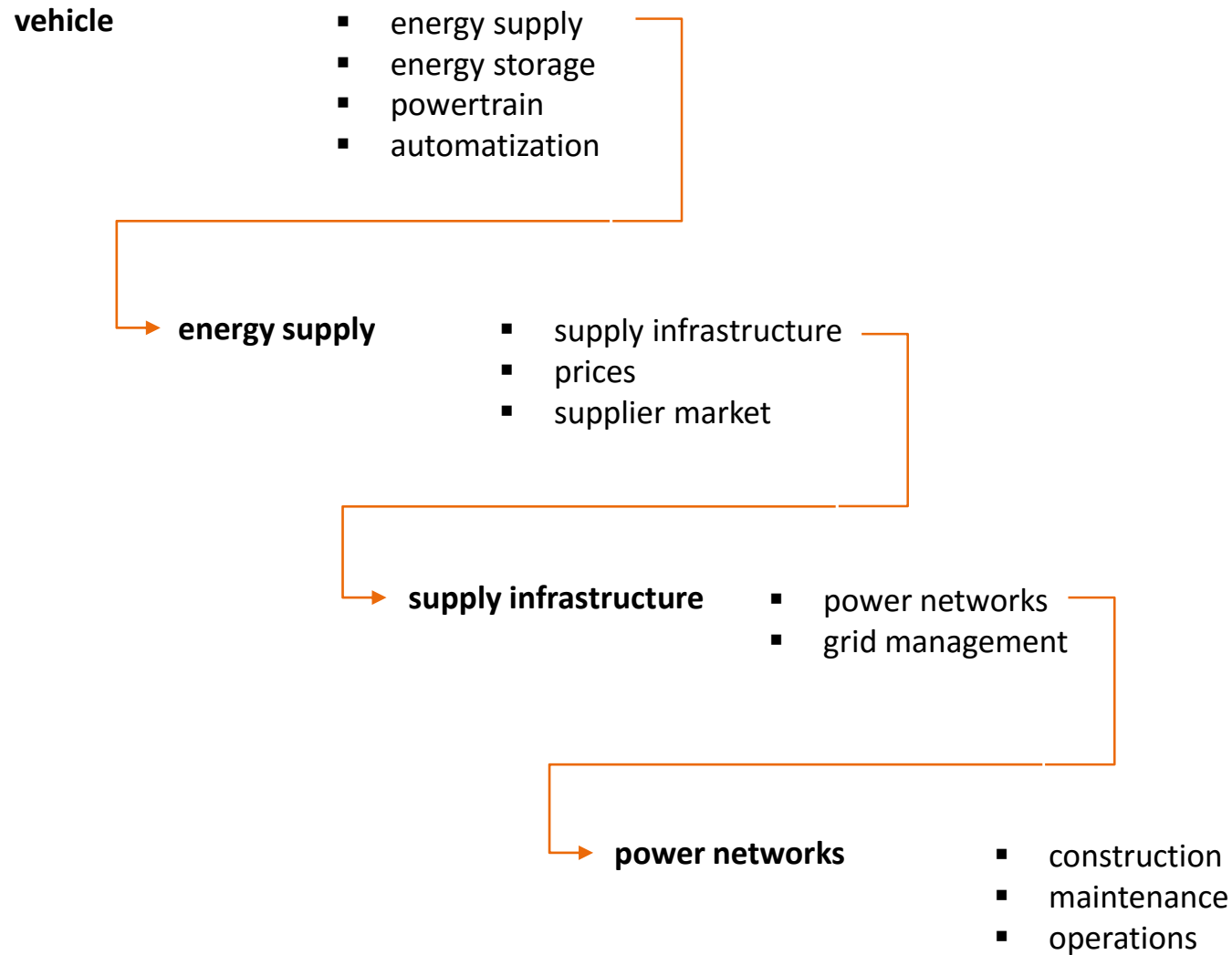


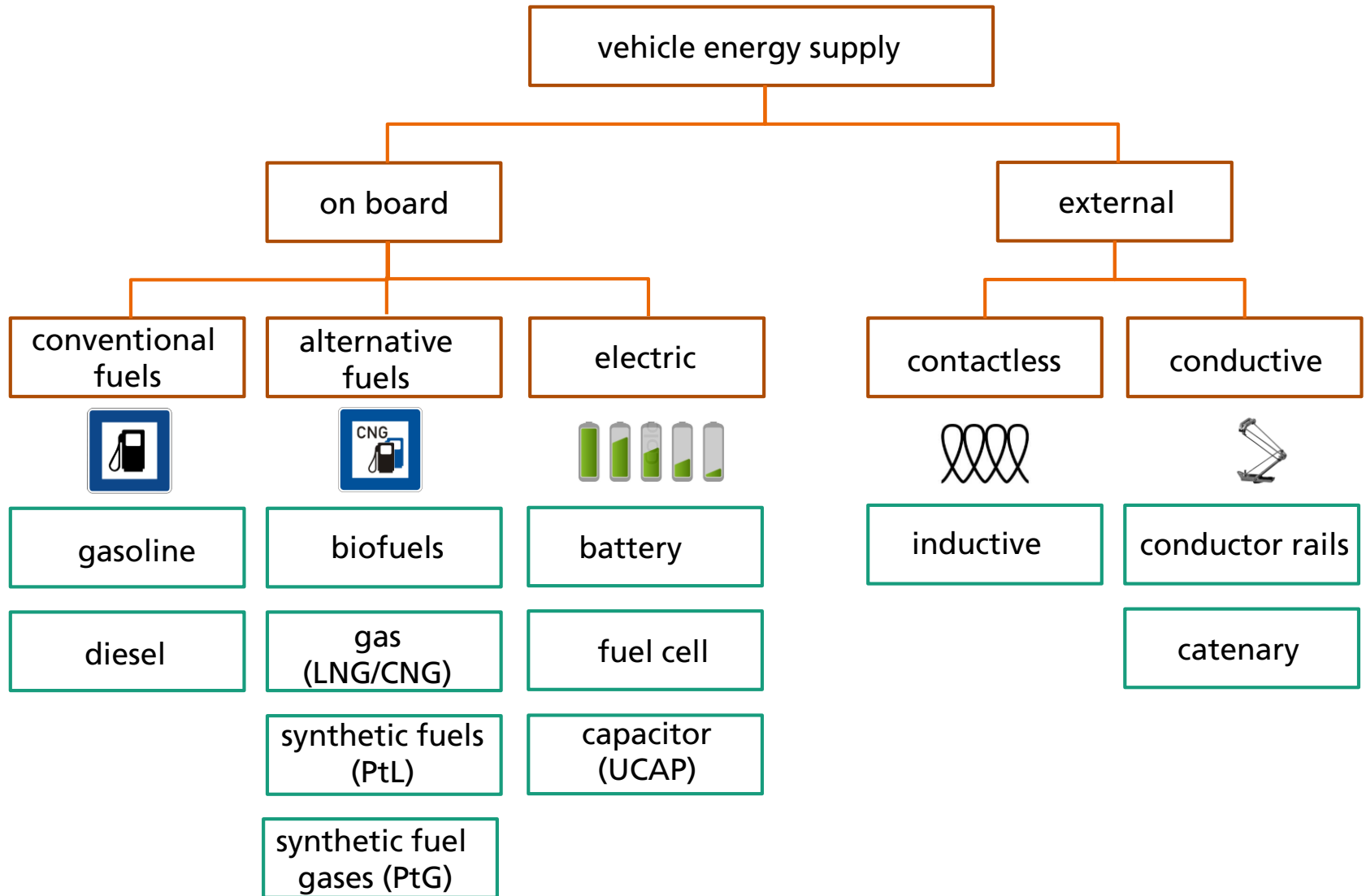
# Estimated market growth in freight transport



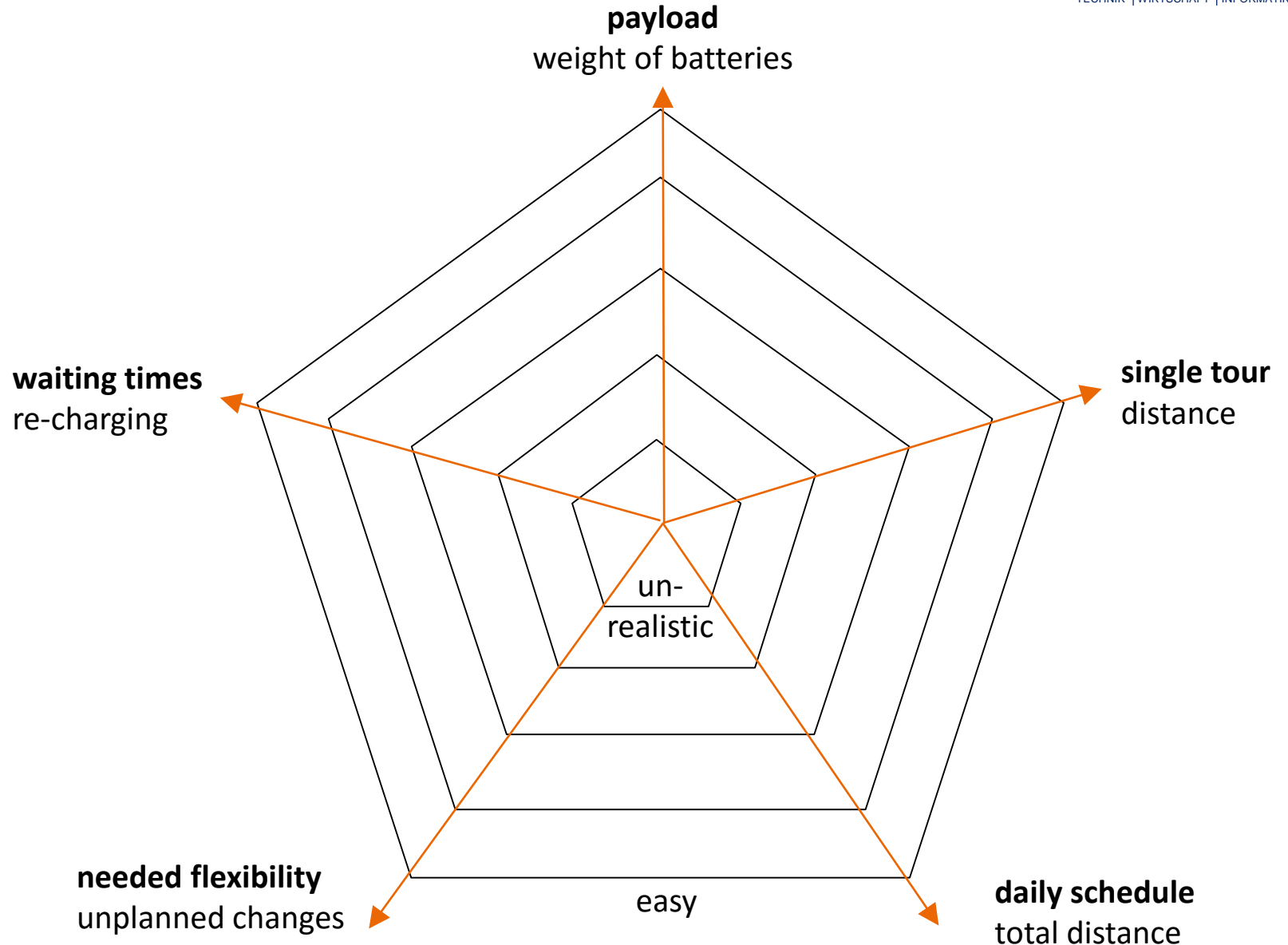
Source: McKinsey&Co, 2016, Delivering Change, p 12 (adapted)

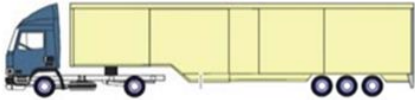










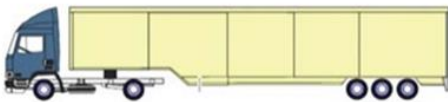


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

34

16,50 m

100%



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38

37

17,80 m

109 %



1	2	3	4	5	16	17	20	21	22	23	24	35	36
6	7	8	9	10	18	19	25	26	27	28	29	37	38
11	12	13	14	15			30	31	32	33	34		

38

18,75 m

112 %



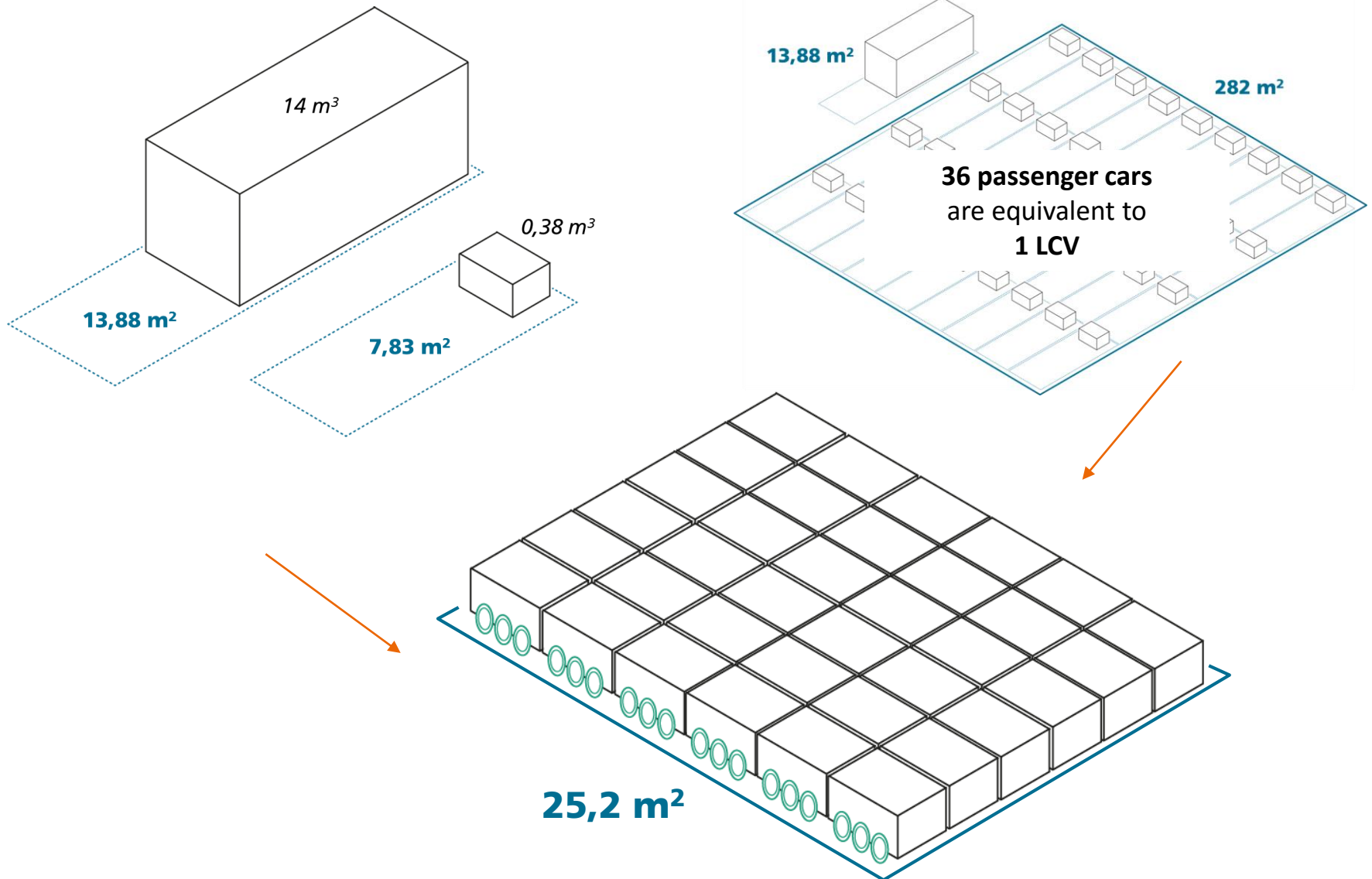
1	2	3	4	5	16	17	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
6	7	8	9	10	18	19	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
11	12	13	14	15																			

53

25,25 m

156 %

Source: adapted to BAST, 2016



## traffic flow

- adapted driving
- lowering emissions

## road safety

- digital foresight

## smart navigation

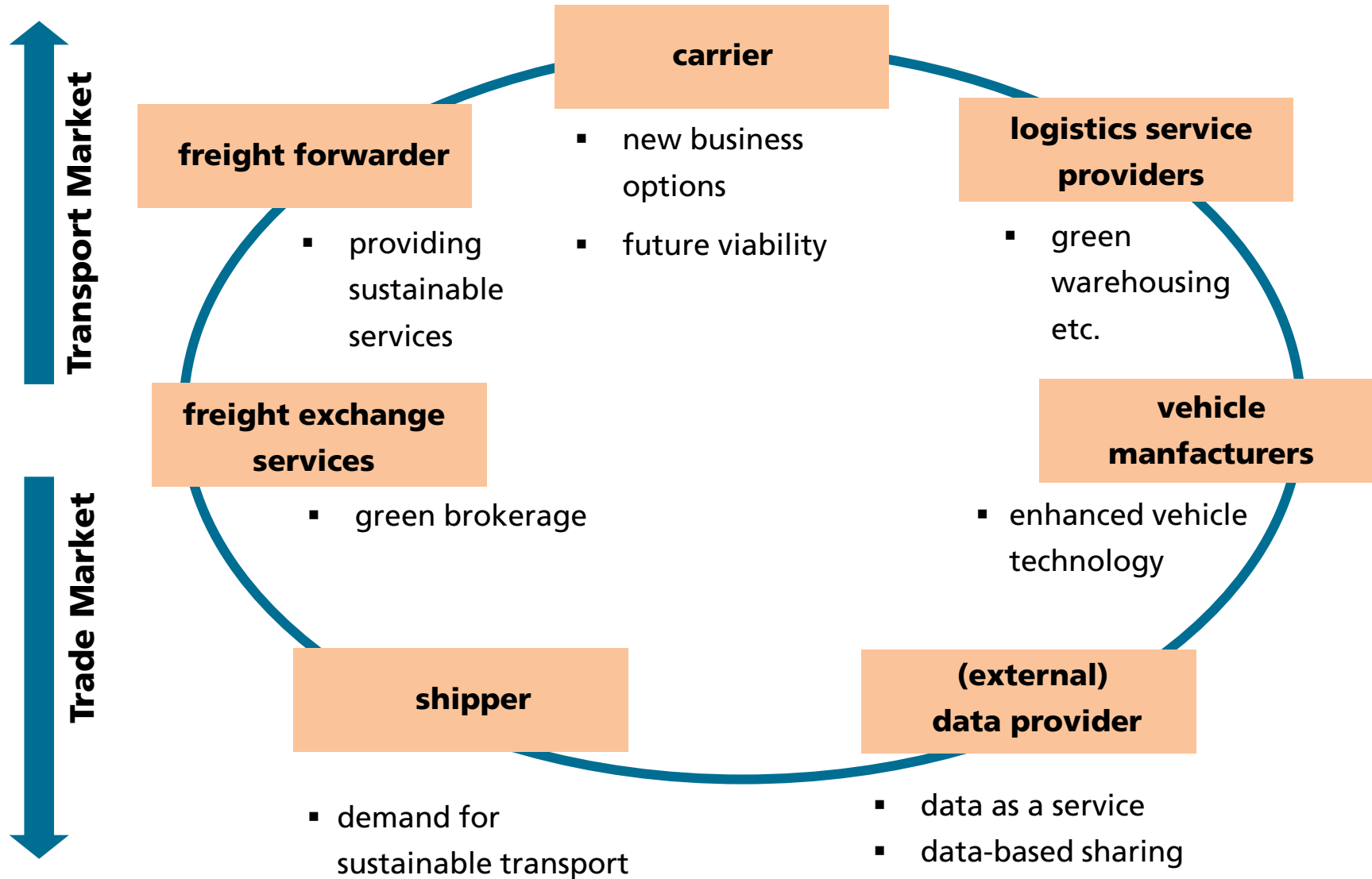
- route optimisation
- infrastructure performance

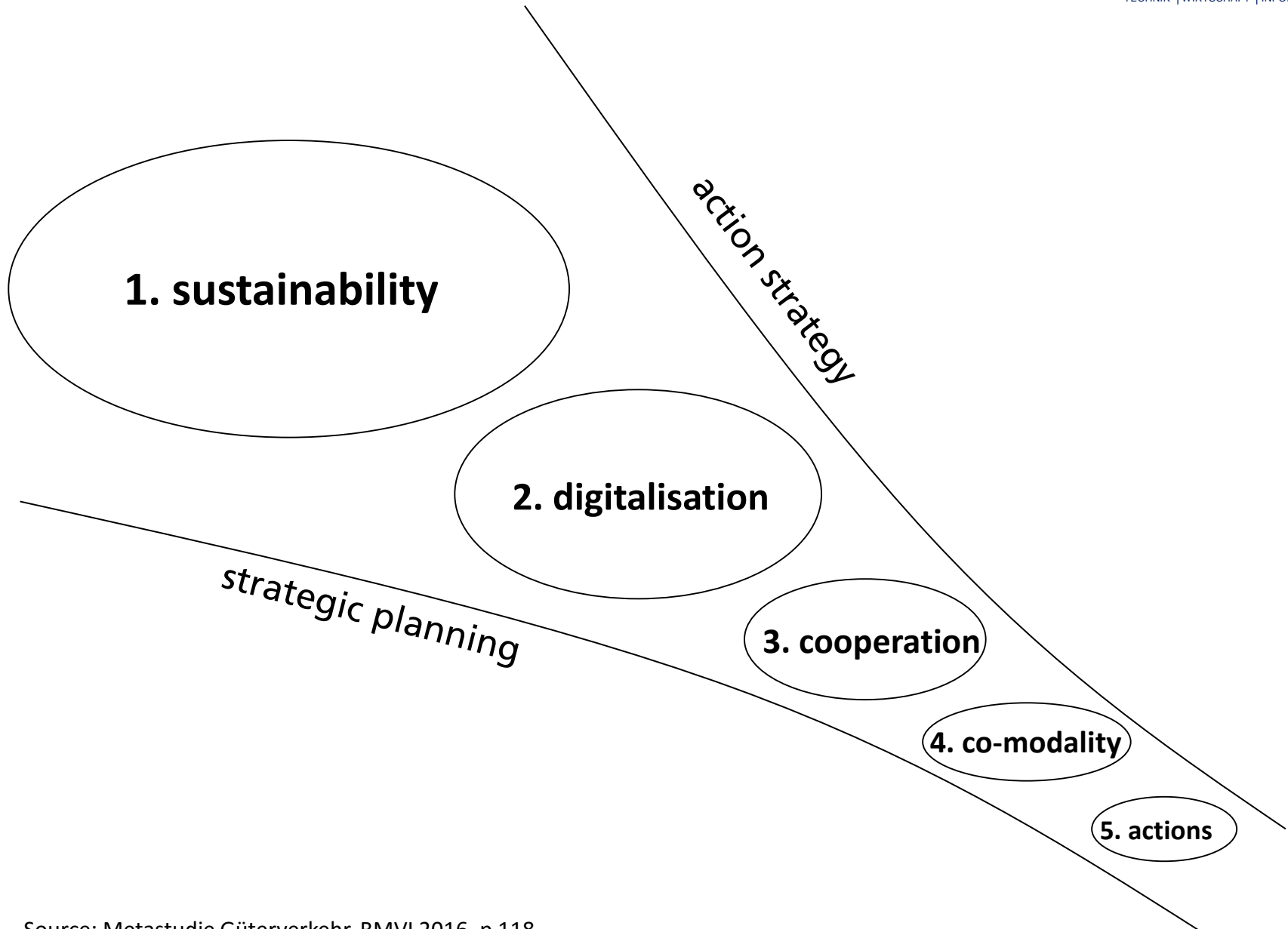
## economic efficiency

- alternative use of working hours

## cost cutting

- higher availability





**Thank you for listening!**

**Prof. Dr. Tobias Bernecker**  
Verkehrspolitik und Verkehrswirtschaft

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