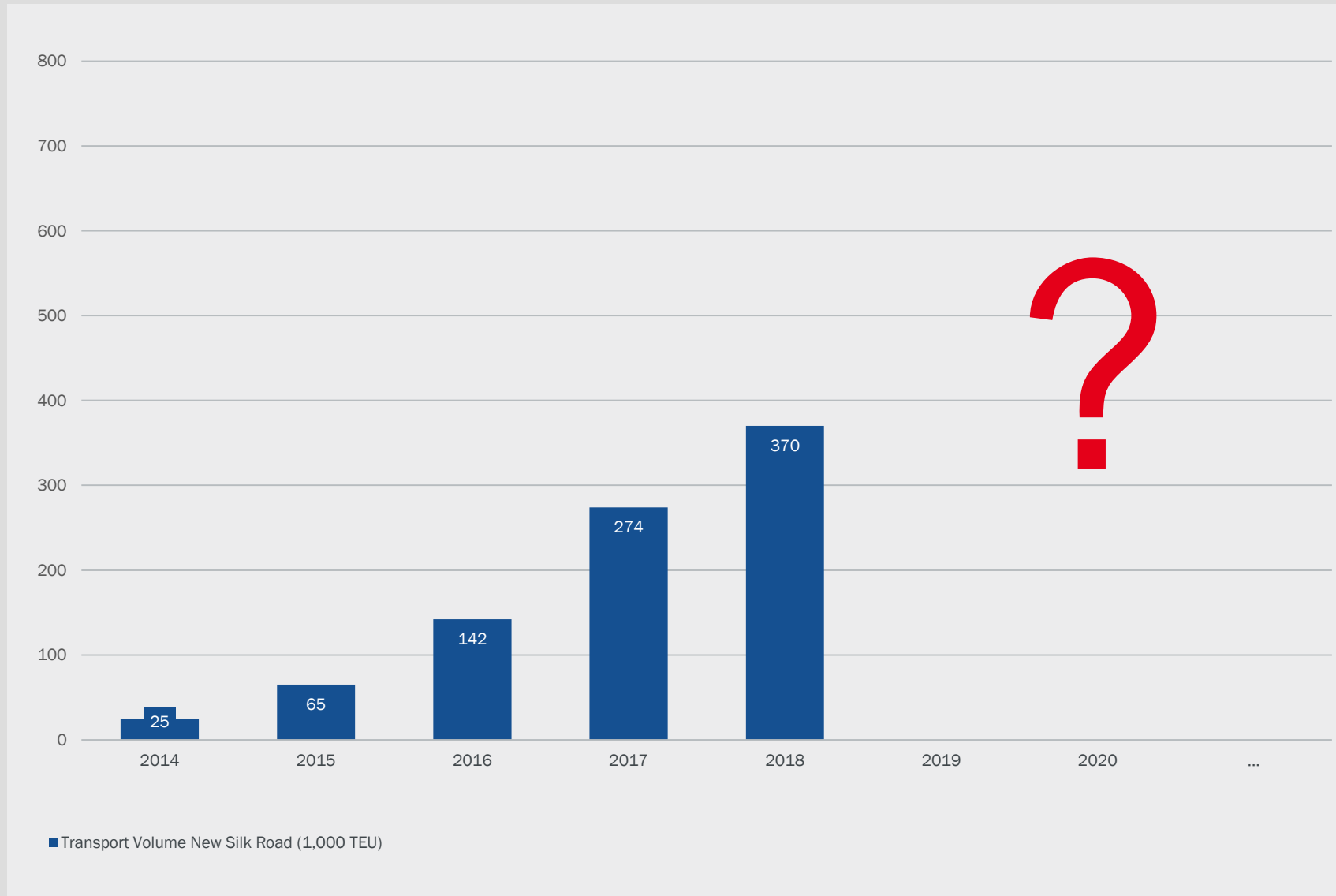


NEW SILK ROAD - WILL FORECASTED DEMAND AND PROPOSED INFRASTRUCTURE CAPACITIES ALIGN?

European Silk Road Summit 2019
November 26, 2019

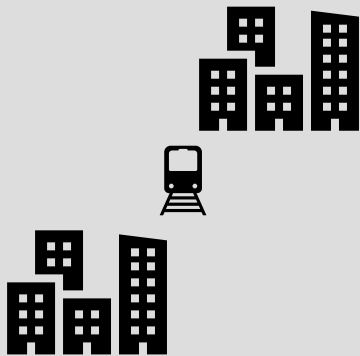


STATUS QUO



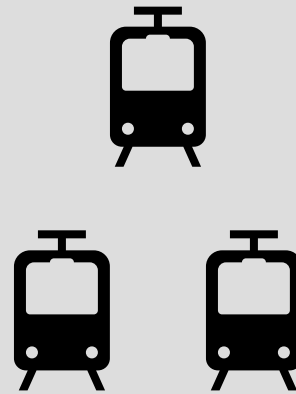
UNCERTAINTIES

Number of connections?



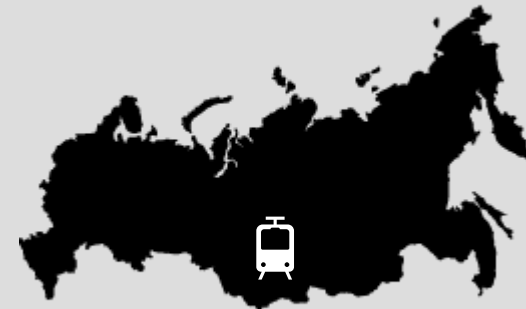
- Served regularly?

Number of trains?



- Length?
- Load factor?

Railway segments?



- Regional trains?

CORRIDORS

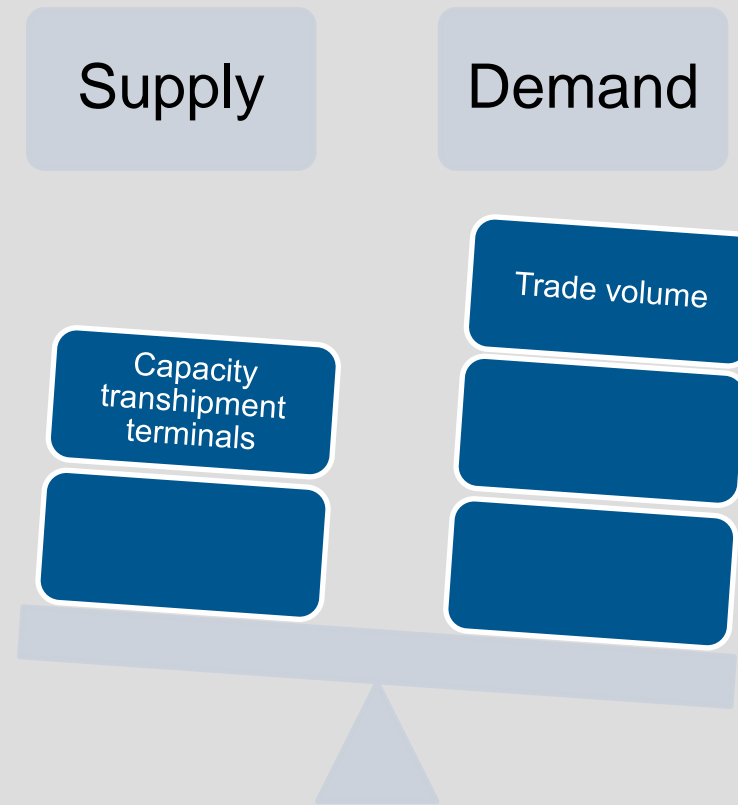


CAPACITIES

	Border Crossing								Total
	RU/FI	RU/EU	BY/PL	UA/PL	UA/SK	UA/HU	GE/RO	GE/TR	
Current Transshipment Capacity	195	450	570	330	425	175	300	625	3,070
Planned Transshipment Capacity	195+	1,000	1,900	330	2,000	175+	2,500	1,450	9,550+

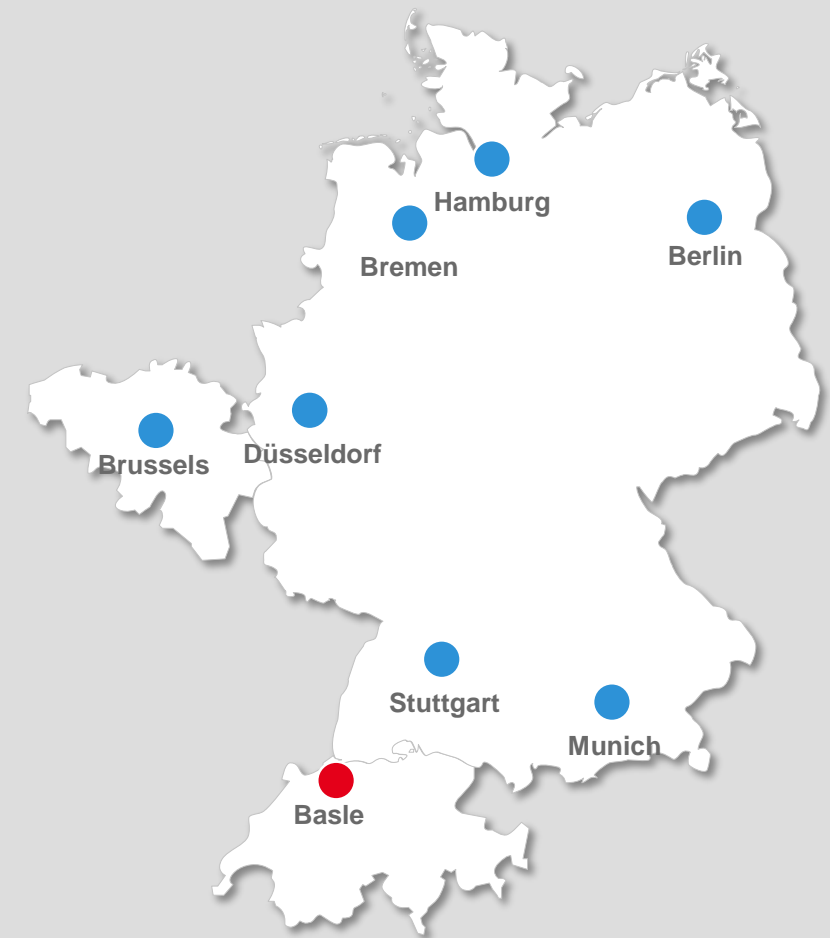
OUR APPROACH

What demand (= shifted trade volume) is necessary to fill up supply (= transshipment terminals) to capacity?



BACKGROUND

- Prognos is a Swiss economic research and strategy consulting firm founded 1959 in Basle, Switzerland
- About 160 experts working in interdisciplinary teams linking economic, natural and social science competences in 9 locations in Switzerland, Germany and Belgium
- Mobility & Transport team (former ProgTrans) with long-standing experience on corridor studies, especially in the railway sector
- Development of a transport flow model for Breitspurplanungsgesellschaft in Austria that could be adapted for this task



FUTURE DEMAND

	2020	2035
East Asia to Europe	5.4 m TEU	7.8 m TEU
Europe to East Asia	2.8 m TEU	3.6 m TEU
TOTAL	8.2 m TEU	11.4 m TEU

RESULTS

Border Crossing								Total	Total Trade Volume Equivalent
RU/FI	RU/EU	BY/PL	UA/PL	UA/SK	UA/HU	GE/RO	GE/TR		

Capacity 2020	195	450	570	330	425	175	300	625	3,070	
<i>Thereof needed for Non-Silk Road Traffic</i>	195	5	130	150	190	30	100	n.a.	605+	
Capacity left	0	445	440	180	235	145	200	625	2,270	28%

Capacity 2035	195	1,000	1,900	330	2,000	175	2,500	1,450	9,550	
<i>Thereof needed for Non-Silk Road Traffic</i>	195	10	225	195	290	50	100+	n.a.	870+	
Capacity left	0	990	1,675	135	1,710	125	2,400	1,450	8,485	74%

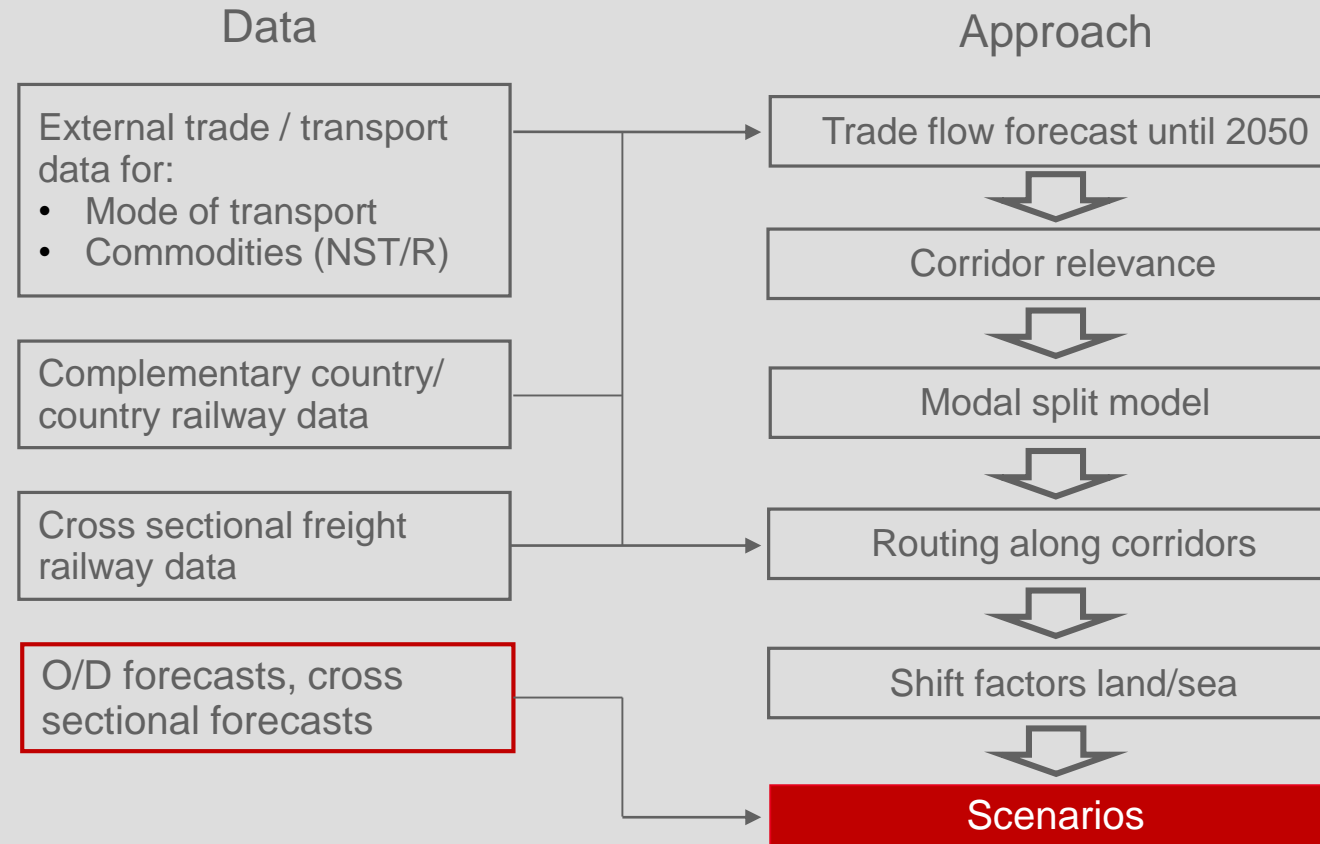
CONCLUSIONS

- **There is a lot of room to grow and potential for growth on all corridors!**
- **Shift from other modes of transport alone will not be enough to realise planned growth**
 - It is rather unlikely that the shift needed from sea transport could be realised
- **Therefore, a cautious approach is needed: Most probably not all growth plans for transshipment points will be realised**
 - What is Plan B if New Silk Road promises do not materialise? How is a ruinous price competition avoided?
- **Also, instead of focus solely on China, trade opportunities with other countries should be scrutinized**
 - e.g. Russia, Turkey, Iran, India, Central Asia
- **Important question: Is the European railway network ready for such an intake?**
 - Facilities on the outer borders of the EU can fully use capacities only if the core network is able to handle the additional trains

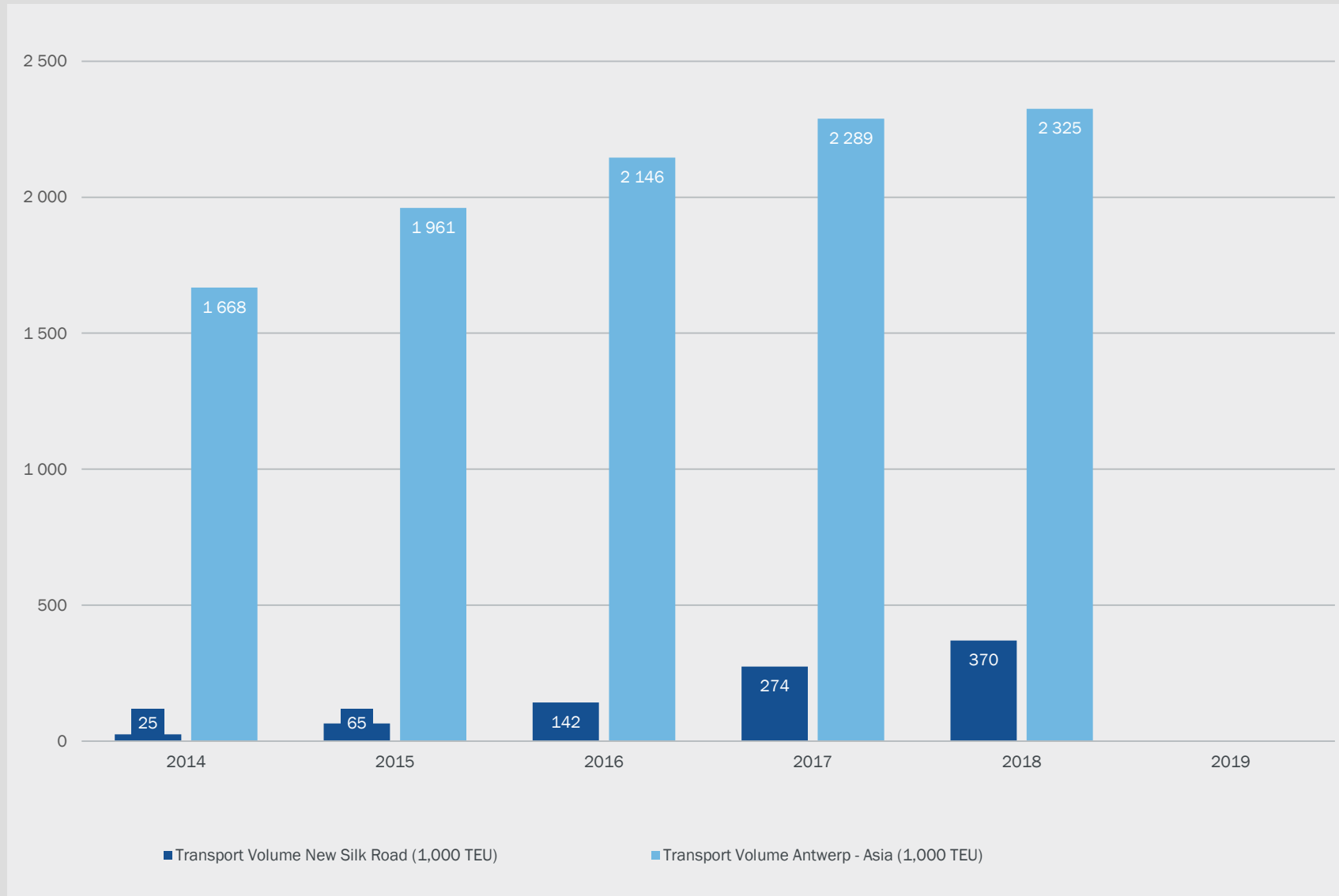
THANK YOU FOR YOUR TIME.



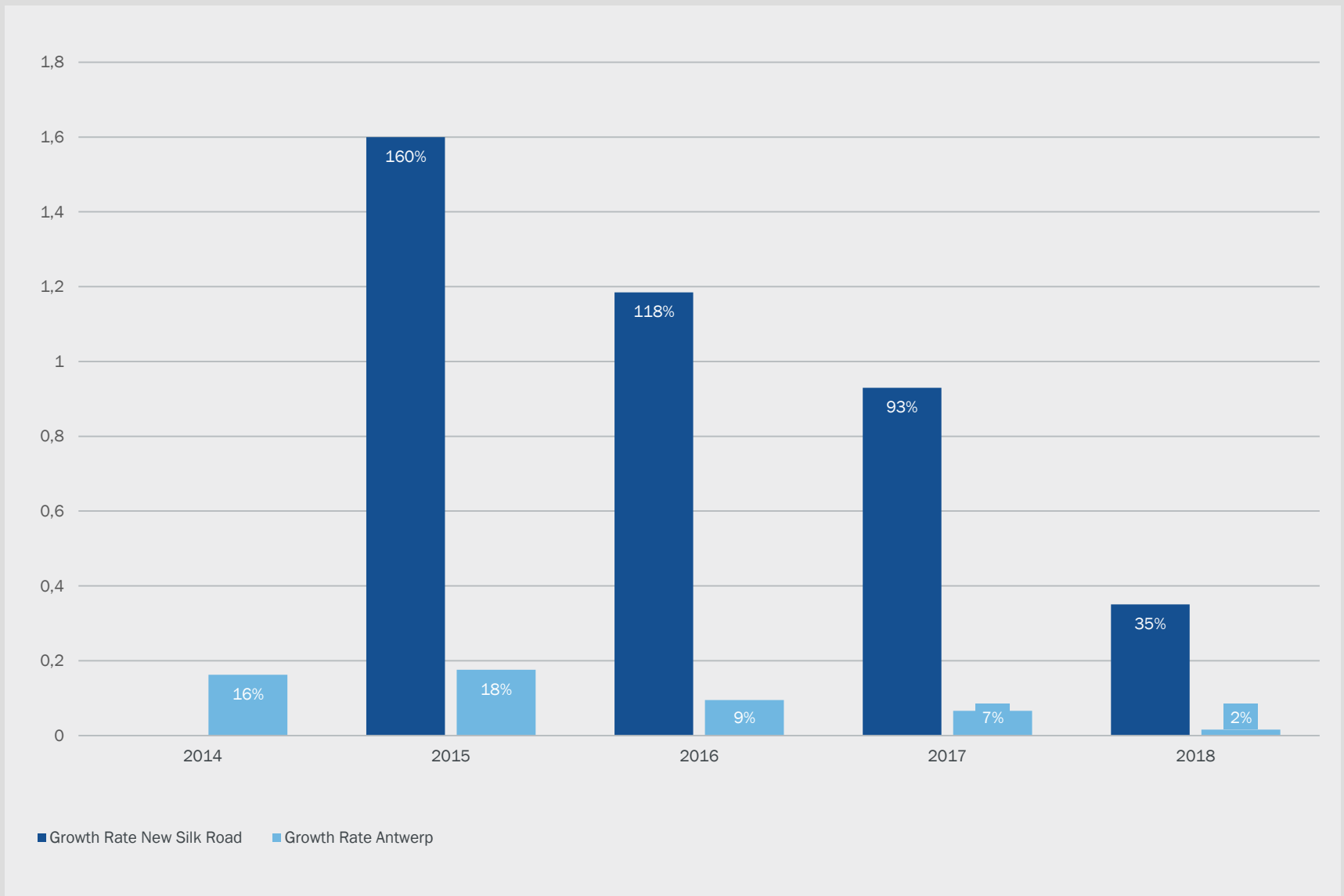
METHODOLOGY



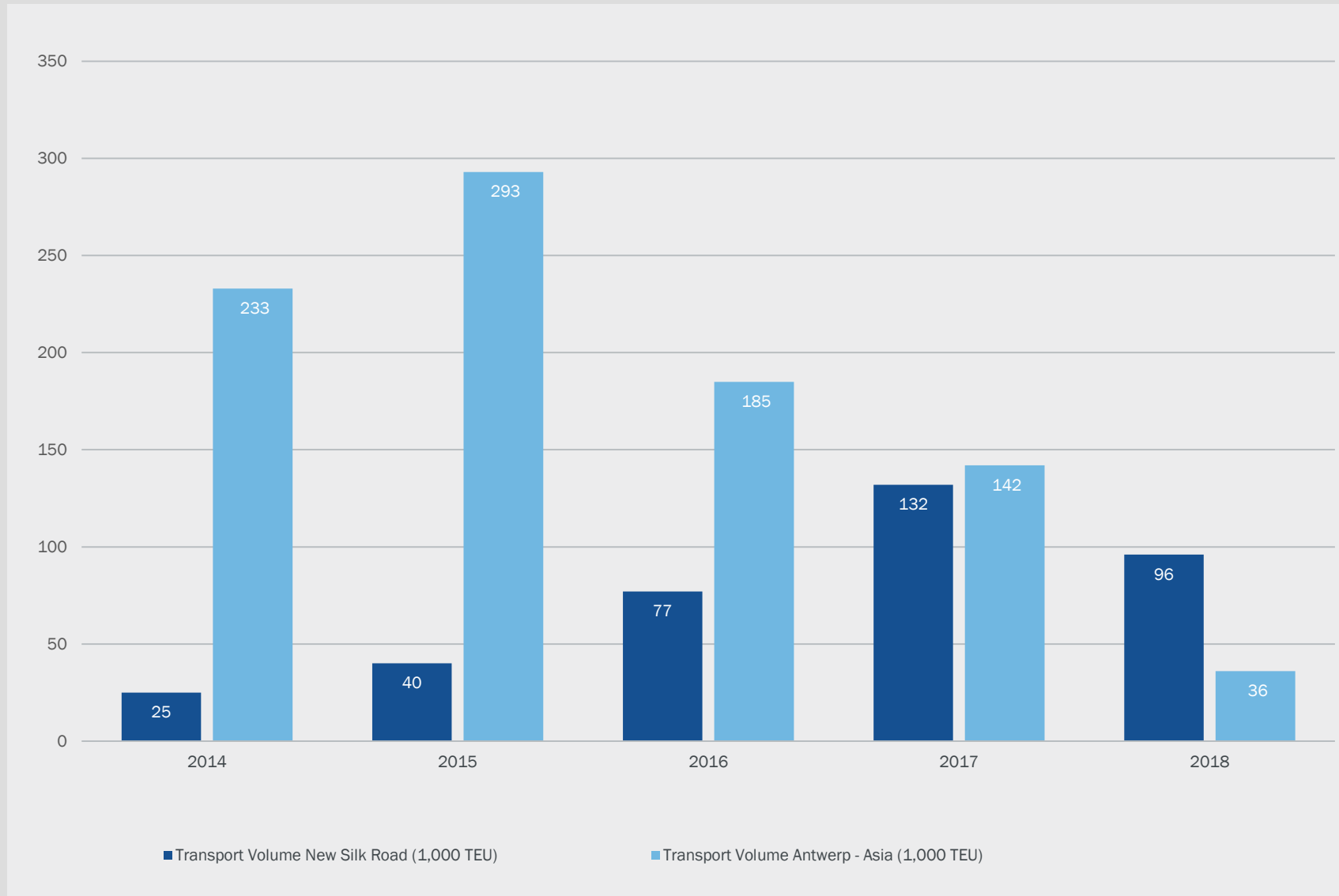
STATUS QUO



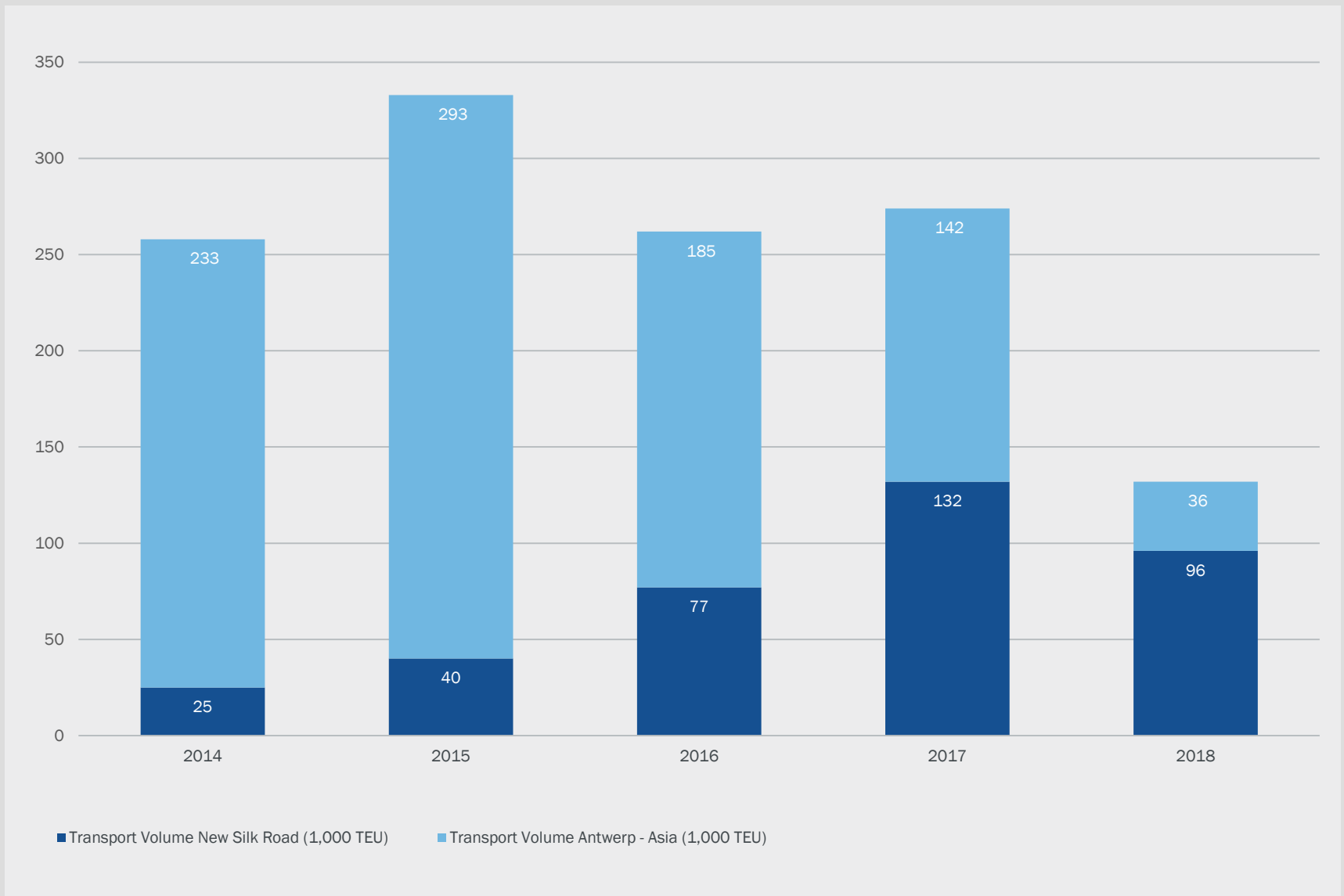
GROWTH RATES



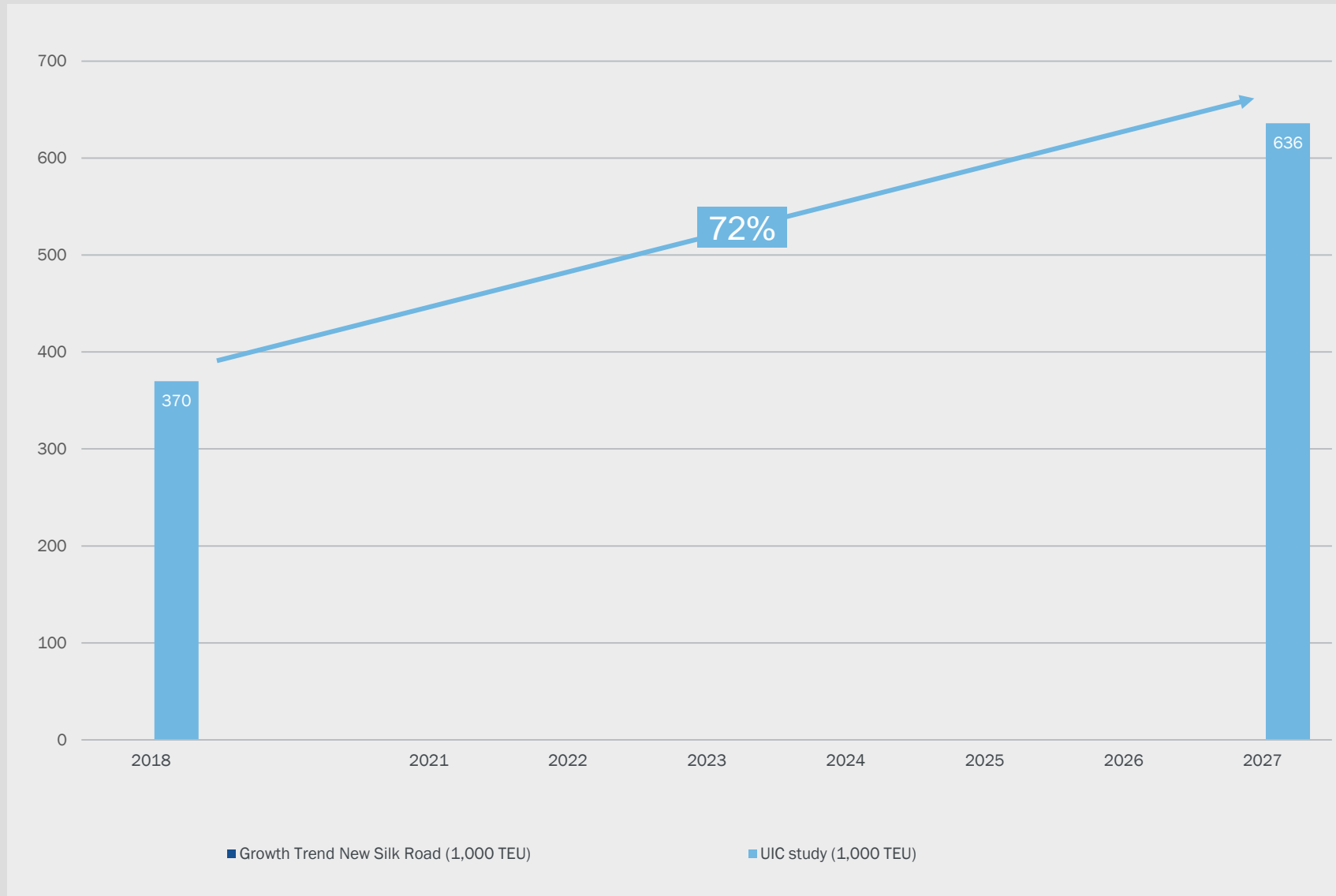
GROWTH IN VOLUME



GROWTH IN VOLUME



OUTLOOK NEW SILK ROAD



OUTLOOK NEW SILK ROAD

