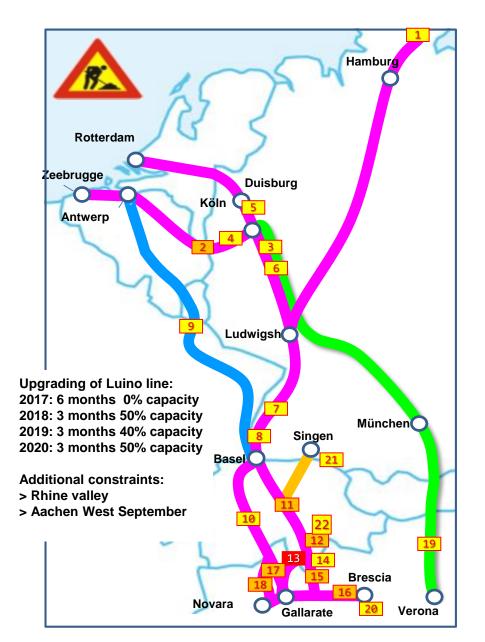


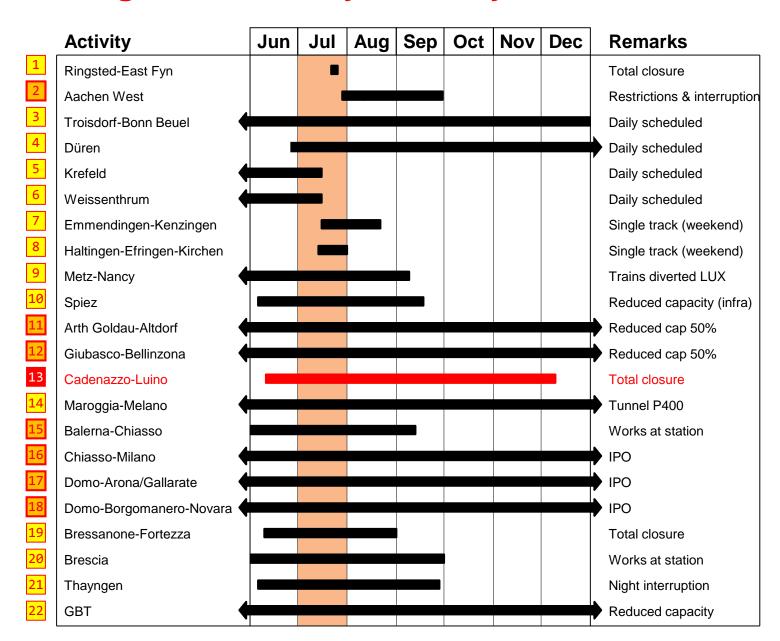
Is rail freight traffic in Europe at risk?

Bernhard KunzCEO of Hupac Group

Multitude of construction sites = high vulnerability of the system

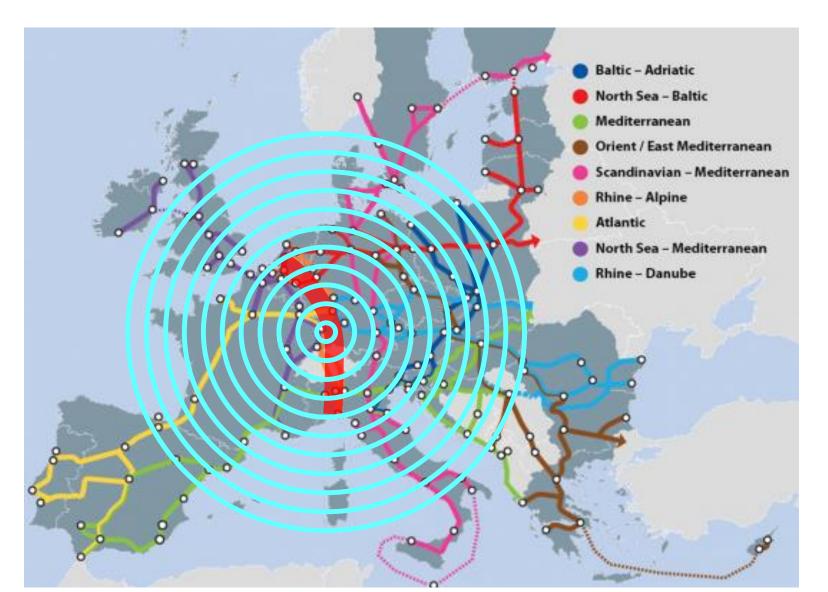








Rastatt disruption: Europe wide consequences on supply chain



Collapse of intermodal logistics:

>> reasons why

Shortage of loading equipment:

>> units were tied up in the North-South pipeline

Railcars and locos not available:

>> waiting for alternative routings

Terminals stopped acceptance:

>> backlogs of train departures

Not enough engine drivers:

>> detours absorbed 2-3 times more resources

How to improve international rail freight management?

OPEN ISSUES for DISCUSSION

- 1) International risk management and contingency plans
- 2) Redundant, seamless infrastructure systems
- 3) International coordination of construction works
- 4) International crisis management
- 5) Clear rules for capacity allocation in case of restrictions
- 6) Language barriers: second operational language, techno-solutions
- 7) Responsibility of infrastructure managers for disruptions: incentive system



