



Správa železniční dopravní cesty



## PREPARATION OF HSR IN CR INTERNATIONAL COOPERATION

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2nd ISD, Prague  
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# HSR AND HIGH SPEED LINES

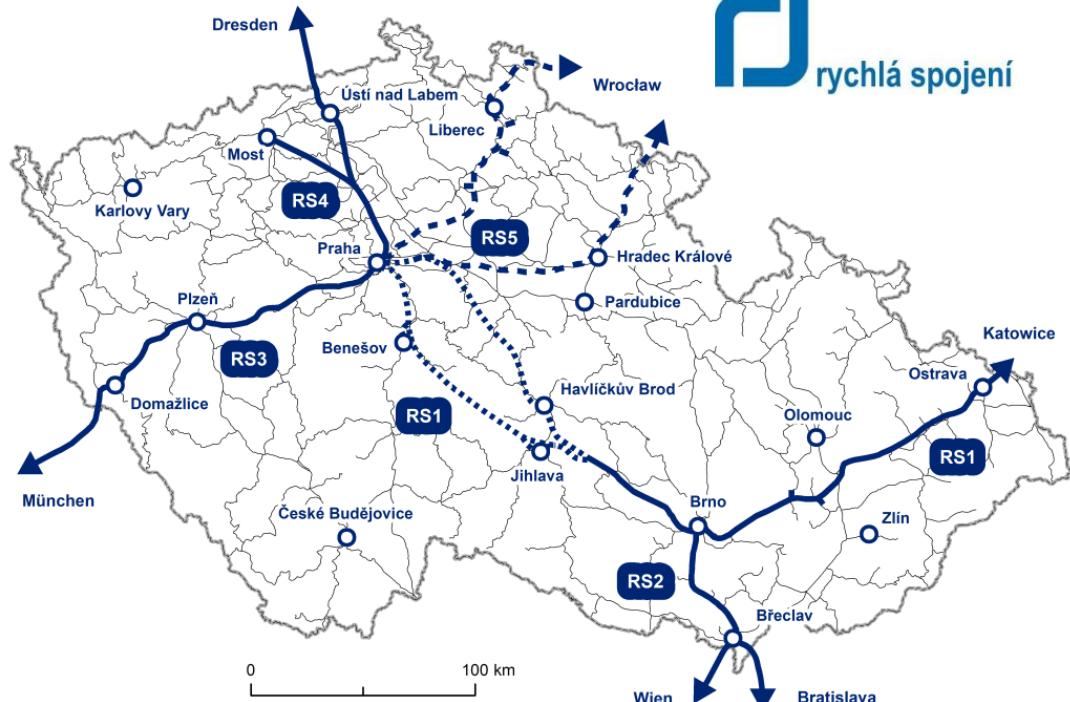


# HSR AND HIGH SPEED LINES



# HSR IN CR = RAPID SERVICES

- operational concept
- connecting HSL with conventional lines
- development of RS approved by government 05/2017



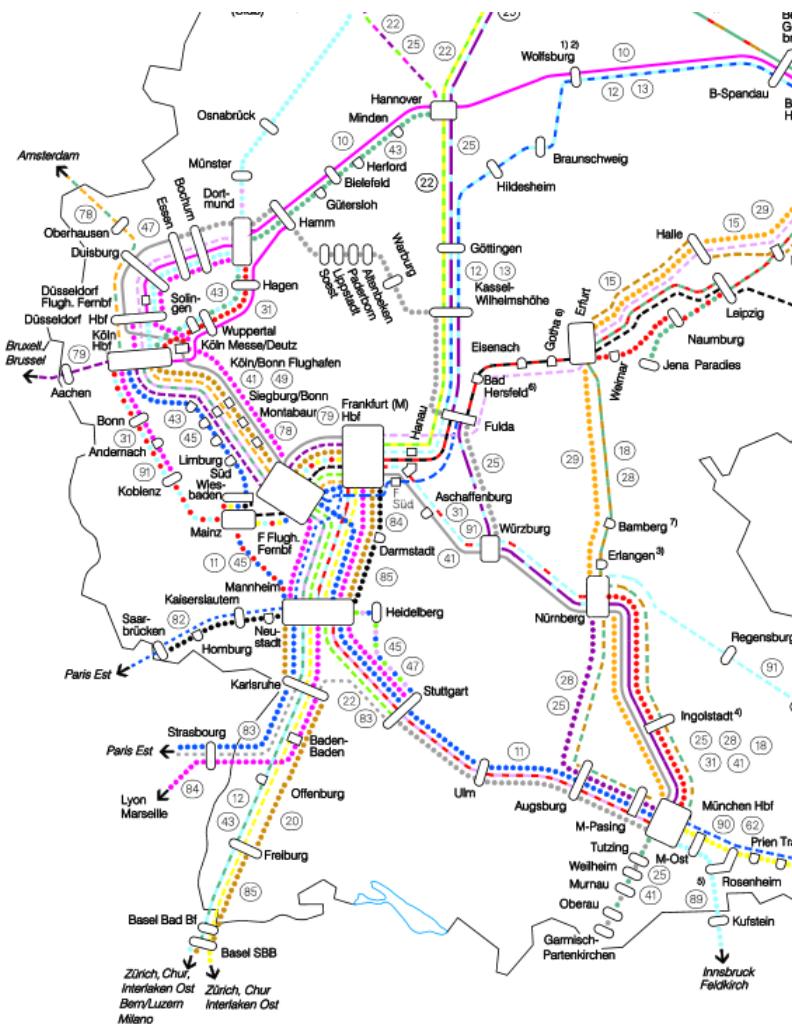
# HSR IN SPAIN



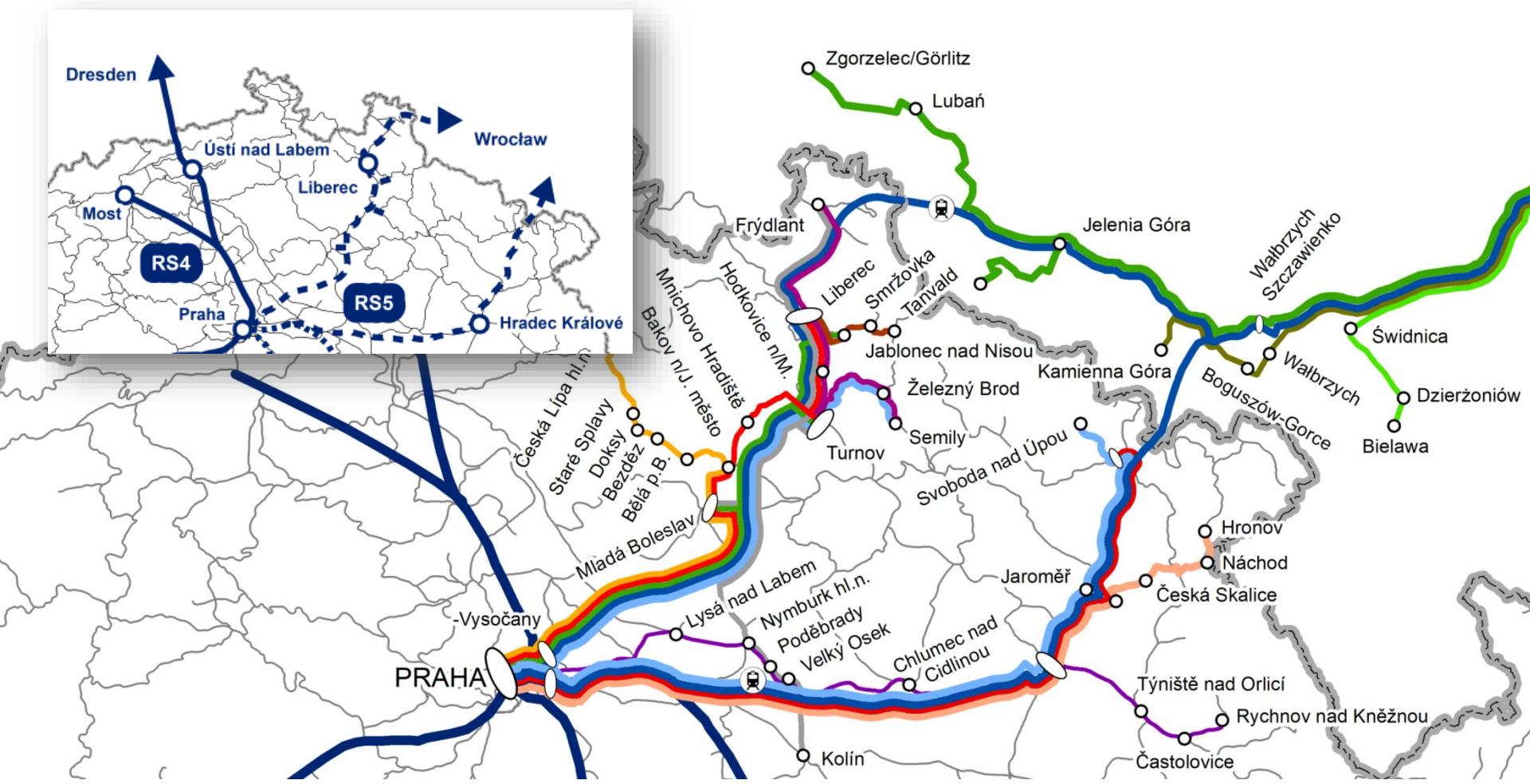


## *Správa železniční dopravní cesty*

**INSPIRED BY FRANCE OR GERMANY**



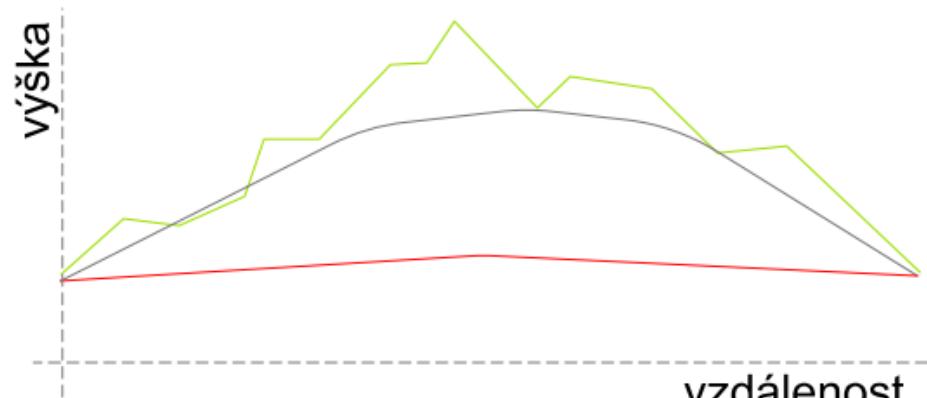
# HSL VS. RAPID SERVICES



# OPER. CONCEPT AND LINE DESIGN



# OPER. CONCEPT AND LINE DESIGN



# TECHNICAL & OPERATION STUDY

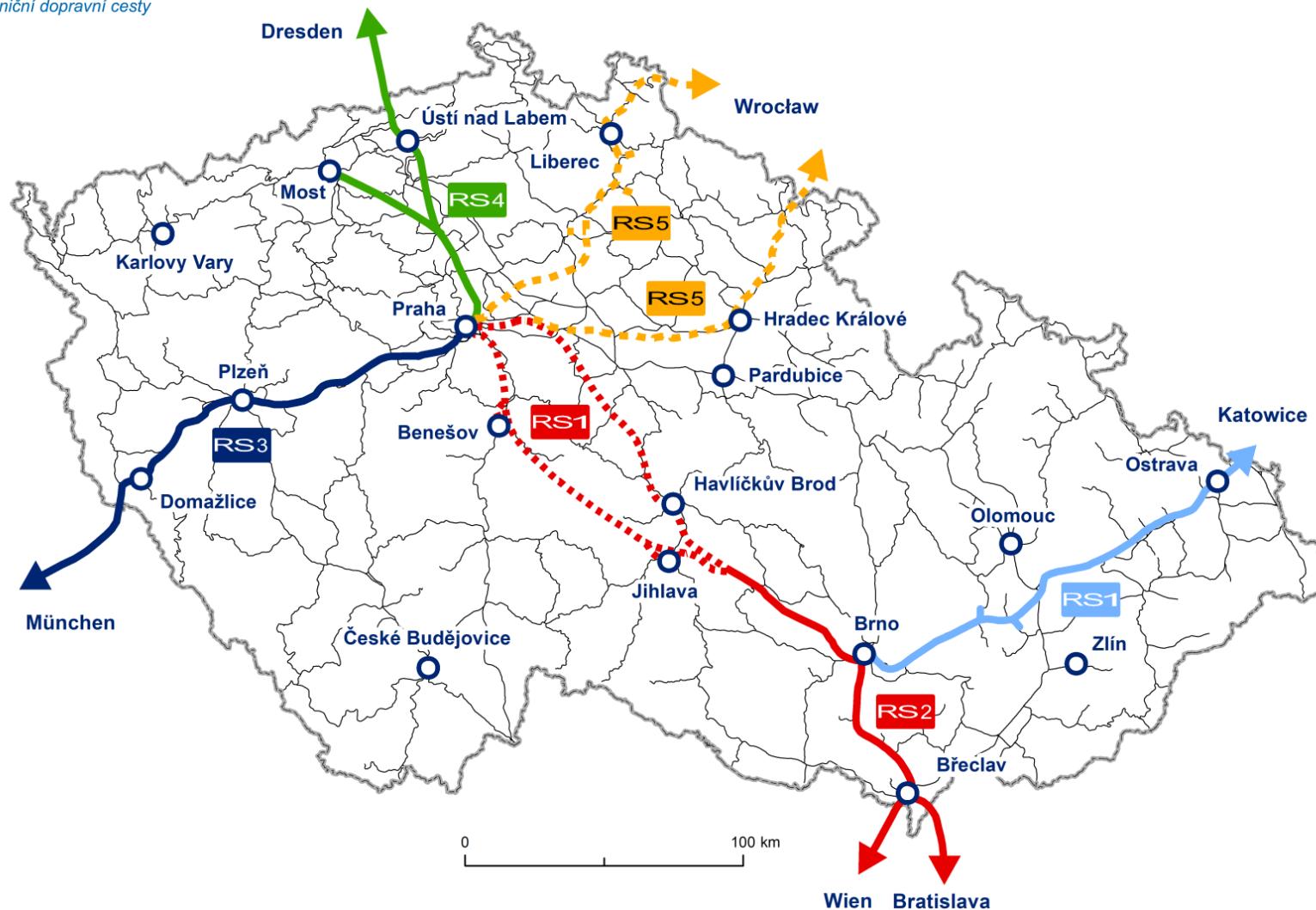
- finished in 2017
- analysis of approach to HSR in France, Germany, Spain, Italy and Austria
- proposal of basic technical solutions in each subsystem



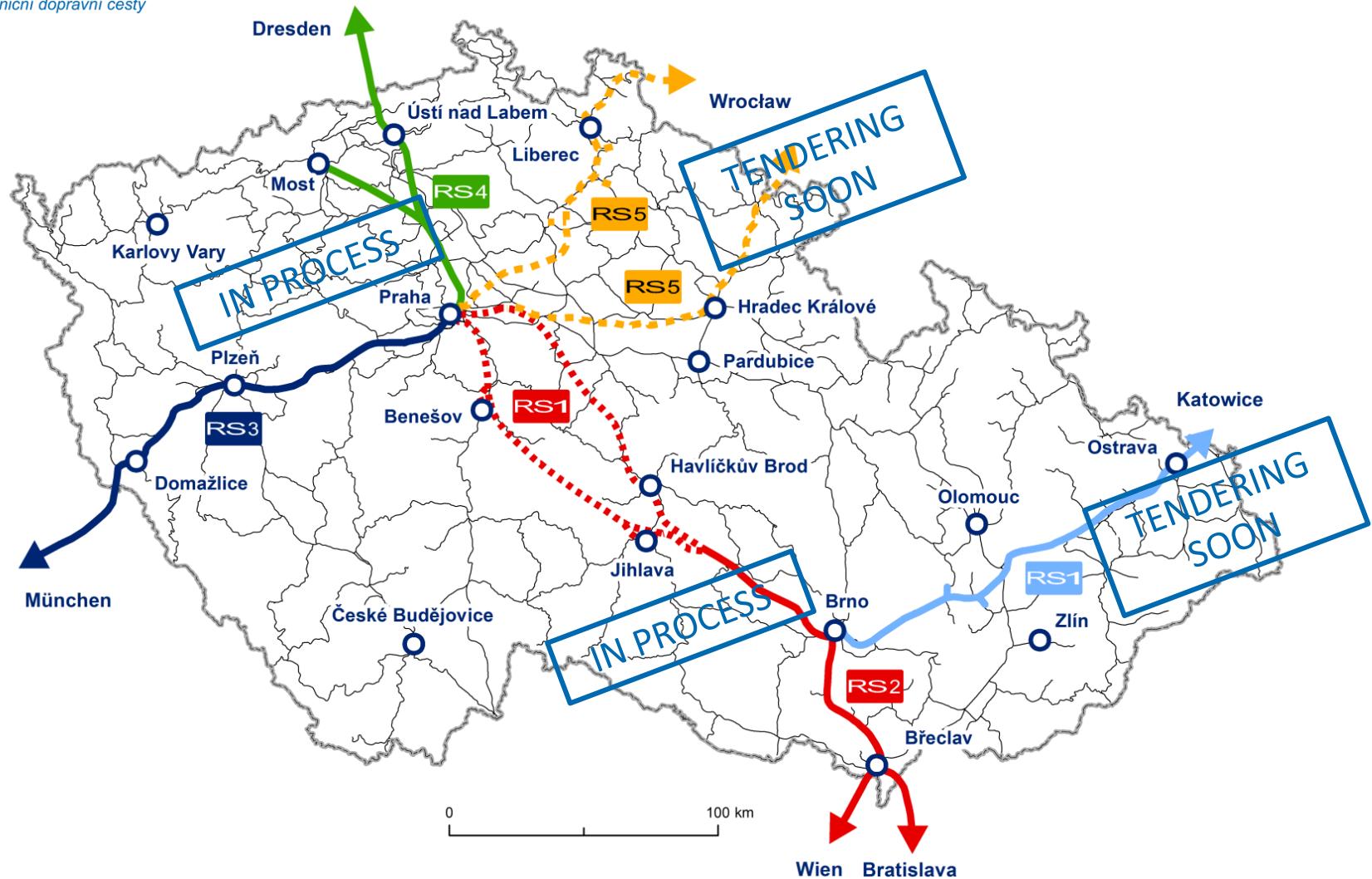
# HSL - PRELIMINARY PROCESS



# FEASIBILITY STUDIES



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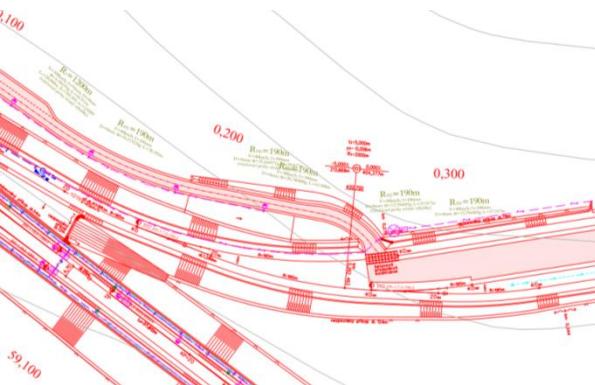
# VERY LONGTERM PROCESS



# HOW TO ACCELERATE?

ANSWER: TO PREPARE PILOT SECTIONS.

- to propose selection criteria
- to select suitable line sections
- to identify benefit, opportunity and risks for each line section

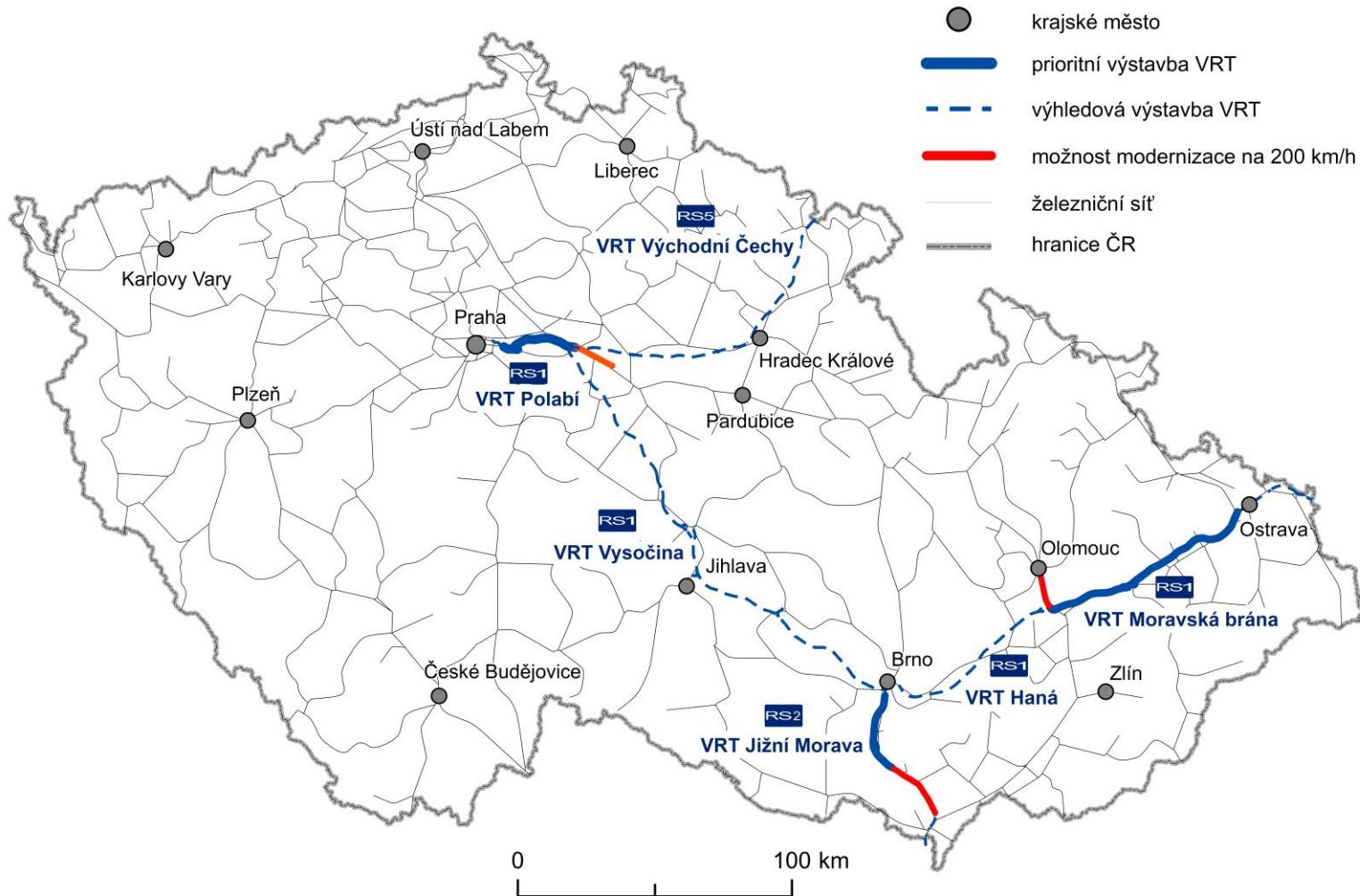


# SELECTION CRITERIA

- line included in „Rapid Services“ system
- just one basic track alignment option
- line included in basic regional territorial plans
- benefits for traffic independent of subsequent sections
- no difficult objects on line (long tunnels / bridges etc.)

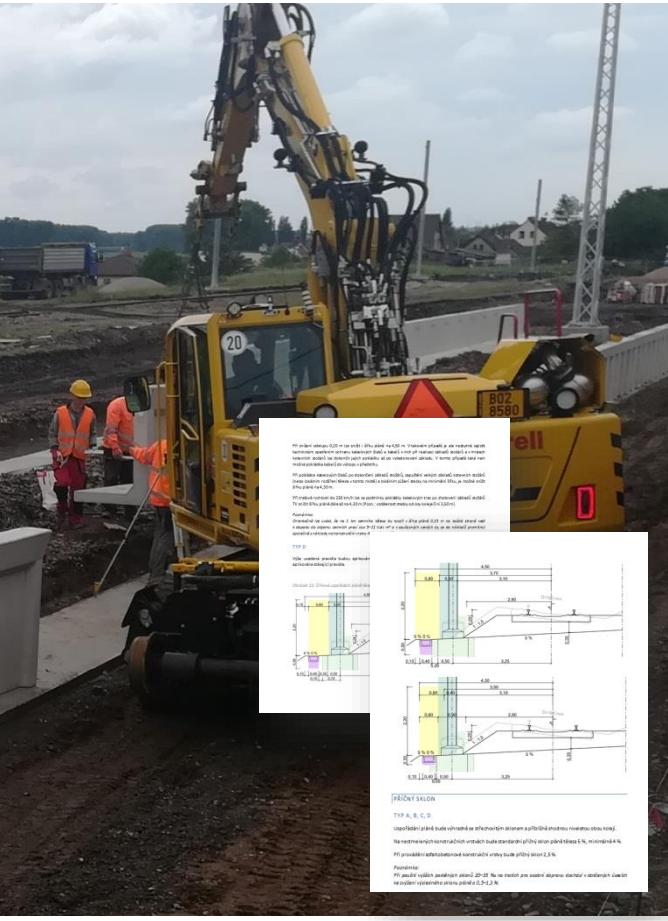


# SUITABLE LINE SECTIONS



# PRELIMINARY PROCESS





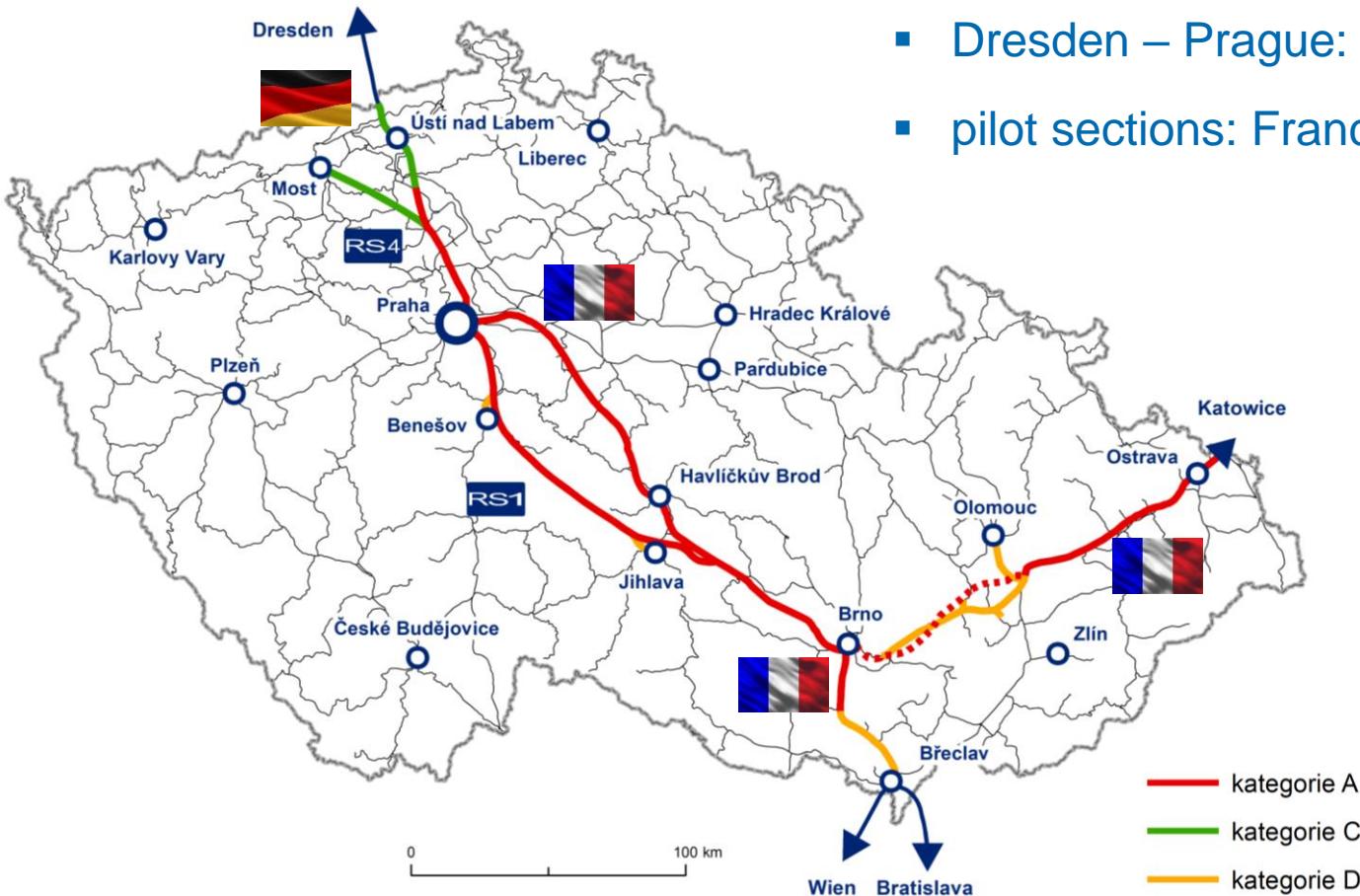
- requirement: raise up our knowledge in technical design very fast
- we have: internal draft based on Technical-operation study
- take study's line typology A-D
  - A ... personal lines more than 250 km/h
  - C ... pers.&freight lines up to 250 km/h
  - D ... upgraded lines up to 200 km/h
- original assumption: standards update
- now: to overtake of foreign solutions

# LINE TYPOLOGY BASED ON T.O.S.



- estimate based on existing studies
- feasibility study can change

# BEGINING OF INTERNATIONAL COOP.



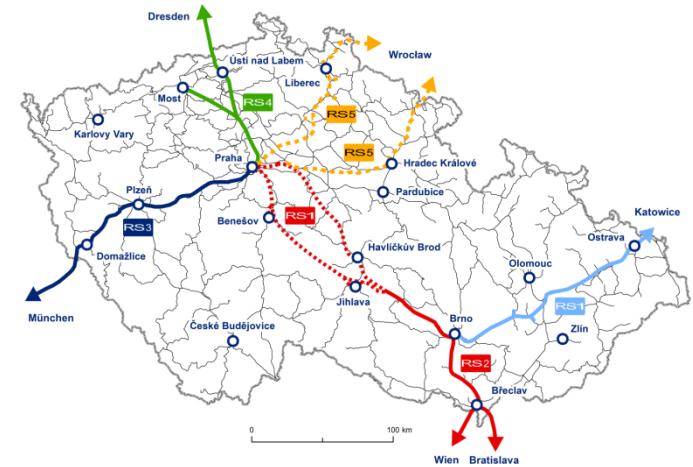
- Dresden – Prague: German inspiration
- pilot sections: France inspiration



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