



An industrial point of view

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Performance

Good level of performance reached with self-organization compared to a centralized system

Definition of new KPIs relevant to show the advantages of self-organization: Robustness, Resilience, Equity, ...



Relevance on small lines

Small lines in France: 9 000 km, 17% traffic

Opportunity to revive small lines by exploiting SO

Few investment needed from the infrastructure manager



Technical issues

Safety and communication layers to be addressed in future works

Indispensable steps before moving forward

ERA-NET Cofund Urban Accessibility and Connectivity

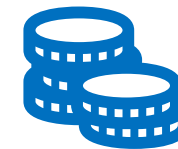


Cost of self-organization

Overall cost to be estimated

Necessary investments from railway companies in intelligent systems to be embedded on their trains

Savings possible for the infrastructure manager: control centres, controllers teams



Governance

Redefinition of the respective roles of each railway undertaking



Data issue

Decision-making without sharing confidential data: advantage in a competition framework



Thank you for your attention

For questions and comments:
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