# Stakeholders' evaluation of vegetation and its management in railway environments



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- > The RATP company (national railway company in Paris, France) ceased using chemical herbicides on railways in 2019.
- > Managing railway vegetation become critical for stakeholders.
- > Objective: identify criteria used by stakeholders to evaluate railway vegetation and propose a systemic vision of vegetation for a sustainable management

### Methods 30 semi-structured Train Collectivity Manager of interviews driver employee railway embankments Qualitative analysis to **Groups of stakeholders** Identification sharing the same vision of identify criteria used to of criteria vegetation

Interviewer

evaluate railway vegetation Quantitative analysis to characterize typologies of stakeholders

#### 6 groups of stakeholders Results Executive management Train Biodiversity driving of railway tracks management: Vegetation can Railway Tree branches degrade railway environments Services prevent my train Safety infrastructures in/ can be habitats from running the longterm for fauna Working on Managing Unusual **K**railway railway • perspectives tracks embankments Trees on Why not shared I am allergic to embankments quality of life gardens in train this plant species prevent landslides stations?

# 17 criteria questionning current vegetation

**Multivariate Analysis on** 

stakeholders according to

criteria they mention

- Different criteria according to the location of vegetation
- Criteria for short-term and long-term management
- Criteria mentionning railway safety, biodiversity and
- > Listening to all stakeholders, even those with unusual perspectives, is crucial for understanding the full impact of railway vegetation.
- > Cooperation between stakeholders will be essential to avoid fragmented solutions and to design systemic and sustainable vegetation management policies.







