We want to get as many people as possible excited about railway travel!
Data management

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Datacollection on the spraying train

MMT

A lot of sensors and automated measuring units are used for data collection at the MMT.
Datacollection on the spraying train

Control unit for the operator

Control buttons for the different spraying segments

Emergency off-button
others
Water protection tunnel
persons
bridge
Railway crossing
Railway station
A spraying protocol is filed automatically containing:

- Type of spraying equipment
- Date and time
- Location (GPS)
- Operators
- Track-length total (km)
- Area total (ha)
- Sprayed area (ha)
- Volume of spraying broth
- Composition of spraying broth (herbicide, water, wetting agent) and total use of components
- Operation speed
- Meteorological data

Data is collected and processed at a central organisational unit at the head quarter, which is also responsible for archiving.
Datacollection for other modes of application

A spraying protocol must be completed by the operators manually, with more or less the same information (acc. to the legal requirements for herbicide application)

Data is collected and filed at the regional headquarters.
• Managing board has ordered a project to optimize herbicide use

• Since 2015 ÖBB-Infra AG is working together with a NGO (very experienced and with a lot of know how concerning pesticides) in order to find new opportunities to a more environmental friendly vegetation control

• First results are promising but the project is still ongoing!
Thank you for your attention!

classification: ÖBB-Infrastruktur AG/Stab BL (public)  
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