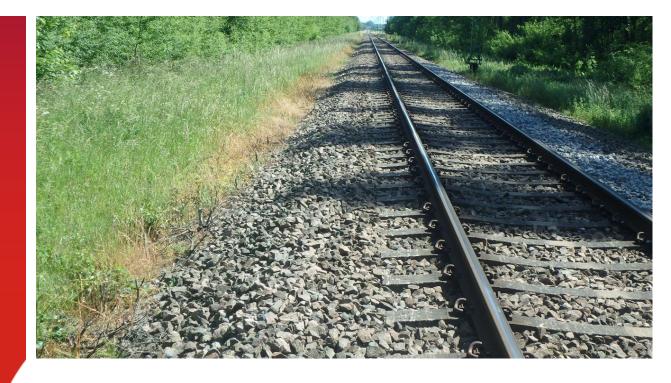
Weed control in railways - ArcGIS online to improve municipal dialogue and inspire confidence

UIC - Paris

2016-05-24

Jonas Lycksell Project Manager



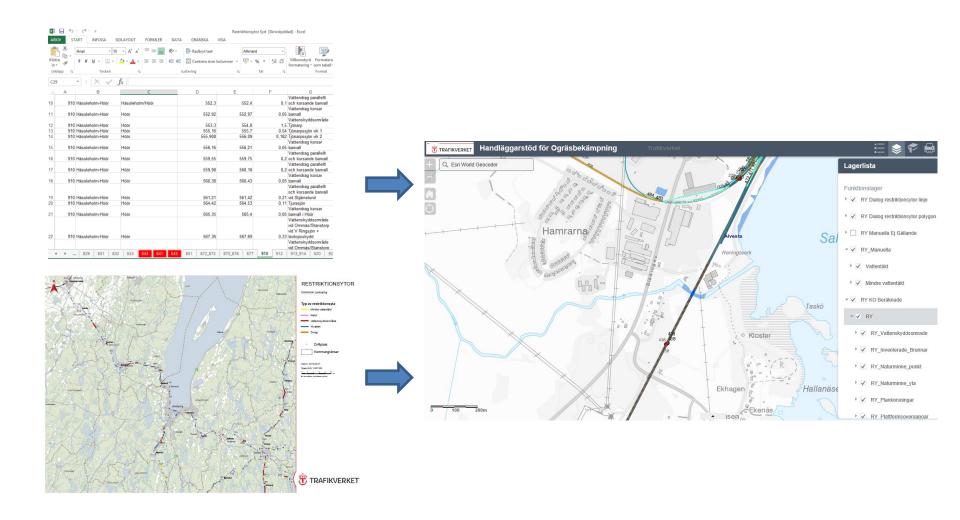






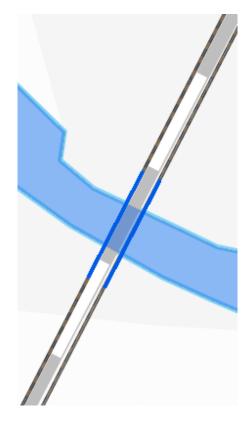


From excel and pdf to modern web maps



Sensitive Areas

- Areas where herbicides aren't allowed
 - Nature
 - Water
 - Crossings, bridges
- 15 different types in Sweden
- Safety distance between 0 12 meters required
- Collecting data from authorities, municipalities and counties.



Notify Authorities before spraying

- The Municipalities are the supervising authority in Sweden
- Notifications are required to each municipality. (about 220 municipalities)
- The Municipalities can oblige us to make several additional actions

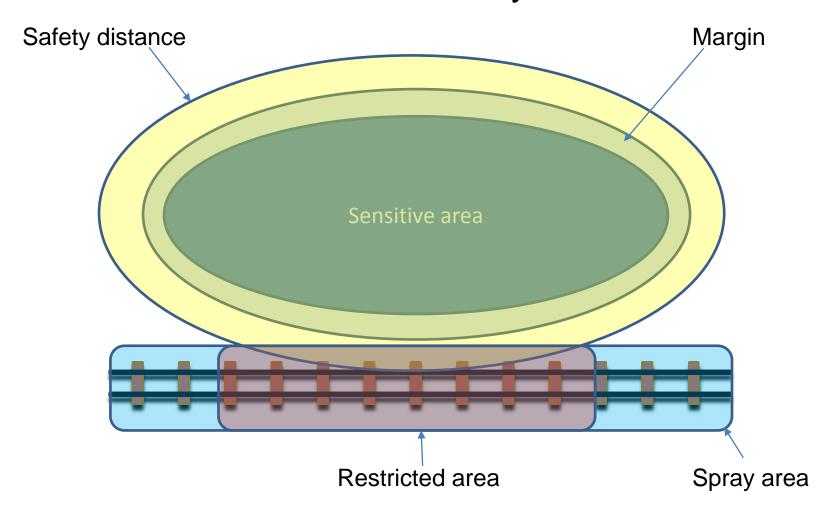
to get permission

6000 restricted areas

- Results in
 - Excessive administration
 - Excel files and pdf maps with restricted areas
 - Many different opinions from the municipalities leads to endless discussions regarding weed control...



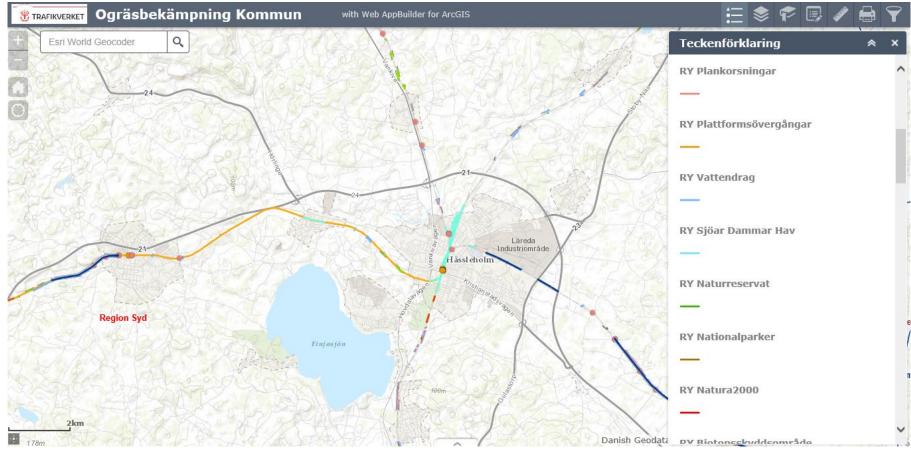
GIS - Analysis



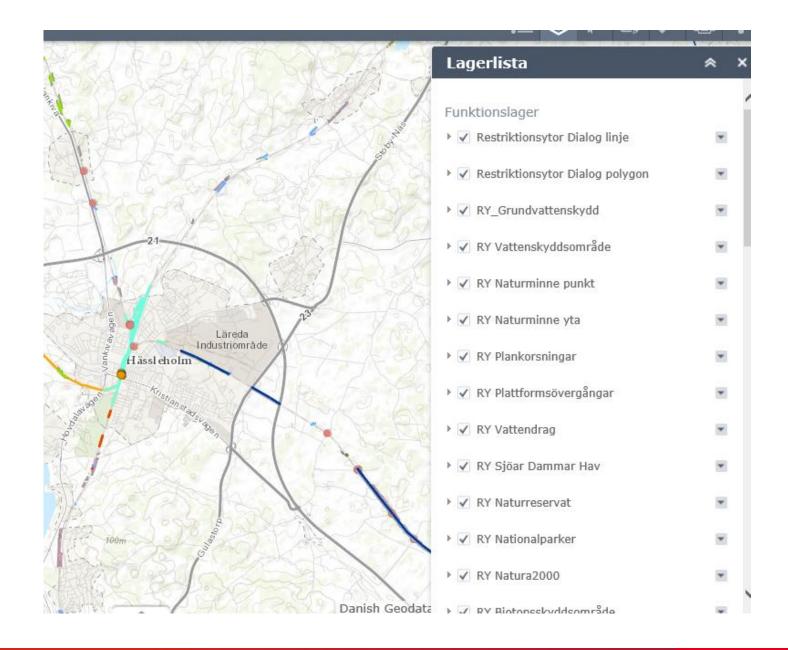
Specifications

- Internal management of restricted areas.
- Availiable for municipalities and contractors.
- Municipalities can communicate with the tool and suggest changes to restricted areas
- Shape files to contractors
- Documentation after spraying

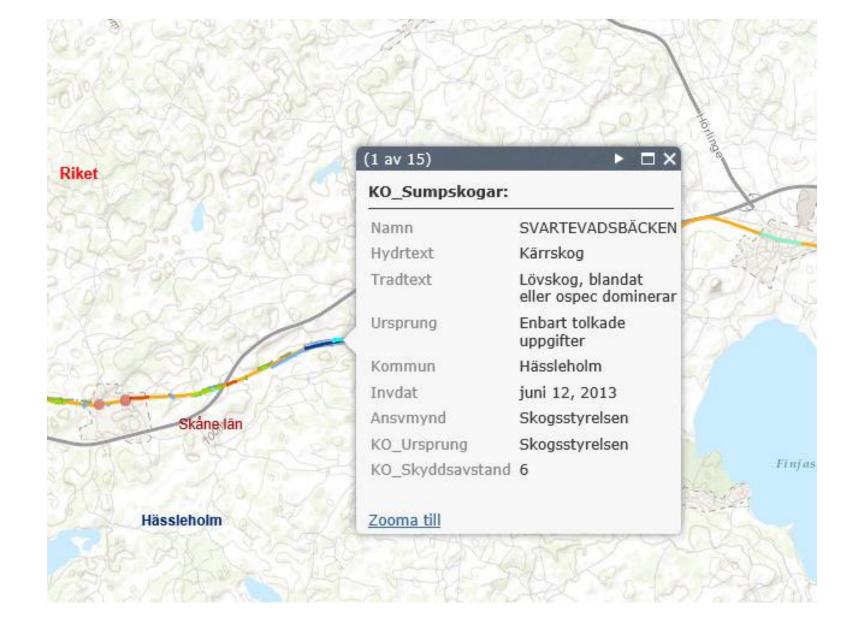








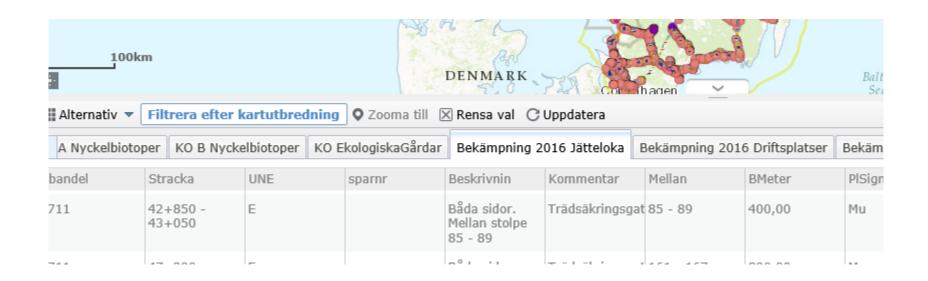




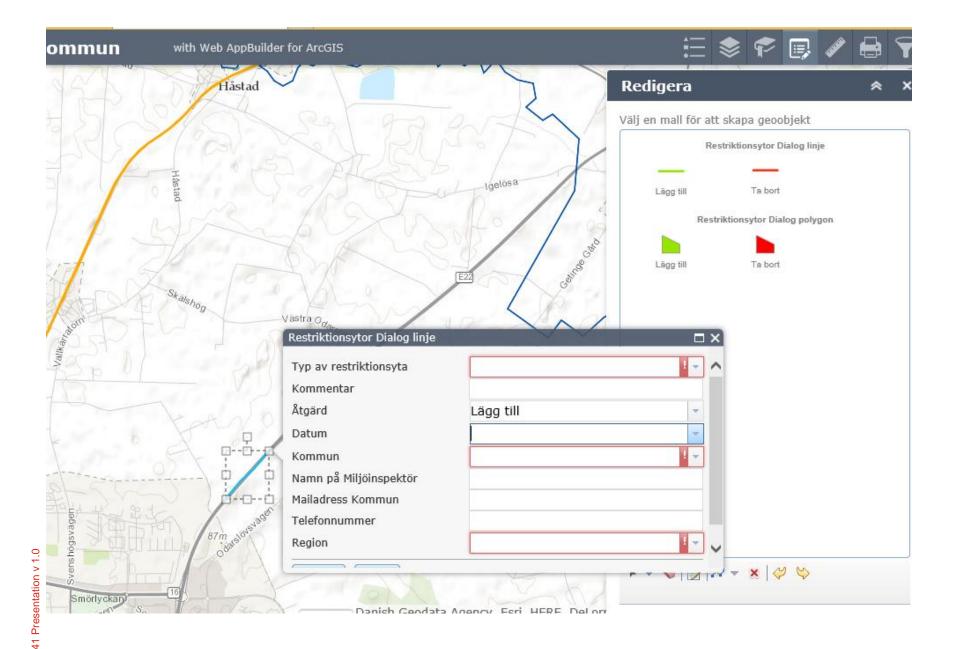














Results

- Increased clarity, quality and safety
- Improved communication among municipalities
- Reduced administration
- Reduced cost
- Other activities at the Swedish Transport
 Administration have opened their eyes to map solutions within their fields
- Increased confidence from municipalities



"Now we can finally remove Sauron's watchful eye from Trafikverkets chemical weed control program to other activities"

- quoted from a municipal environmental inspector...

