WP1: Land fragmentation - fields and distances

Original:
- Interface to update road and field dataset to represent the current situation
- Provide datasets for the economic analysis
- Report about land fragmentation - in the study regions and Norway in general- for different types of farms and regions

New:
- Visualization
Road data

Terrain model

Area resources AR5

Cadastral data

Fields

Farmers use of land (PT)

Correct errors in data

Data tables for modelling

Visualize different situations

WP1

WP2

STUDY AREA ØRSTA

Ørsta
- Farm
- Farmed land
- Roads

10 km
Terrain model

Road-data

Area resources

AR5

Cadastral data

Fields

Farmers use of land (PT)

Network: Data tables for modelling

Correct errors in data

Visualize different situations

WP1

WP2
Area resources AR5

Agricultural land
(Fulldyrka og overflatedyrka)
Land use map 1:5000

Cadastral data
Area resources AR5

Cadastral data

Overlay
Result must be cleaned

Agriculture land
- Split by ownership
- Small areas removed or joined into neighbor land
- Issue: multiple users (fellesbeite)
WP1

Road-data
Terrain model

Area resources AR5

Cadastral data

Fields

Farmers use of land (PT)

Network: Data tables for modelling

Correct errors in data

Visualize different situations

WP2

National road database. Farm road/Traktorvei not included.
Road-data

Automatic generated connections from areas to roads

Road-data

Road
- Issue: farm land related to wrong road
- Issue: missing road
Road data
Terrain model
Area resources AR5
Cadastral data
Fields
Farmers use of land (PT)

Correct errors in data
Visualize different situations

Network:
Data tables for modelling

WP2

WP1

PT: Connection between Farm and Fields
Who is actual using the field

Issue: multiple farmers rents from same owner
Road data
Terrain model
Area resources AR5
Cadastral data
Fields
Farmers use of land (PT)

Network: Data tables for modelling
Correct errors in data
Visualize different situations

WP1

WP2

Terrain model

Roads are restricted by terrain
Terrain model

Road elevation can be extracted from the terrain model

Road-data

Area resources AR5

Cadastral data

Fields

Farmers use of land (PT)

Network: Data tables for modelling

Correct errors in data

Visualize different situations

WP1

WP2
Redigering