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Population figures in ERM

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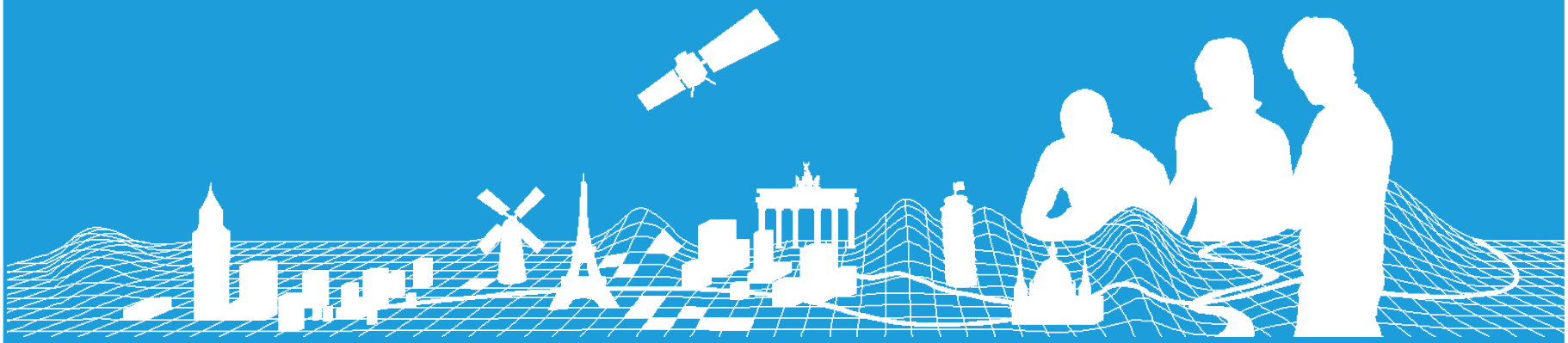


Content

- Situation in ERM
- Situation in EBM
- Possible workaround for mapping purpose

Situation in ERM

- BuiltupP
  - "Built-up area" if size of area < 0.4 km² or population < 5000 inhabitants
  - "Populated Place" if size of area ≥ 0.4 km² or population ≥ 5000 inhabitants
- BuiltupA

link via *PopulatedPlaceID*

  - "Built-up area" if size of area ≥ 0.4 km² or population ≥ 5000 inhabitants

Situation in ERM

- Two ways to publish population
  - PPL “Population Place Category” if you know the exact number

  Or

  - PP1 and PP2 “Population Lower/Upper Range”

- Reference date in metadata

Situation in ERM

- Sometimes we have neither PPL nor PP1/PP2
- Many different reference dates
- In some cases we have no reference date at all
- In some cases it is unclear what the reference date is aiming at: geometry or population figure?

Situation in EBM

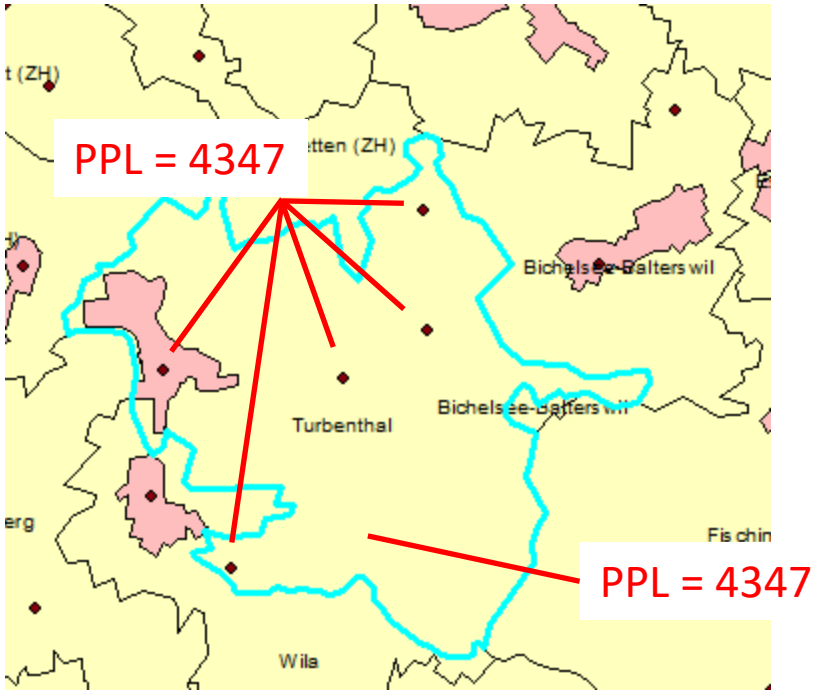
- Administrative units = areas
- PPL "Population Place Category" stored in EBM_NAM table
- Join between areas and table via SHN "Hierarchical Number"
- Exact figures for most communities (97%)

Possible workaround for mapping purpose

- Usage of population figures from EBM to update ERM
- Spatial join (intersect) between ERM-points and EBM-areas
- Calculate the population figure according to the size of the populated area
  - For points without an area we assume the size of 0.39 km²

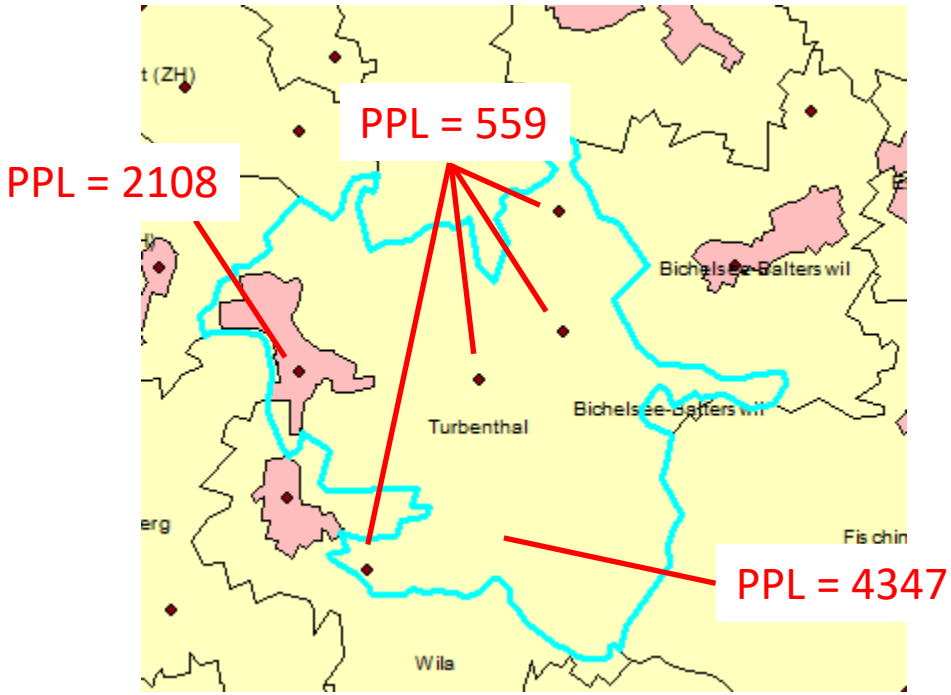
Possible workaround for mapping purpose

Before calculation, ERM v9 data:



Possible workaround for mapping purpose

After calculation:



Possible workaround for mapping purpose

- In the moment it’s just an exercise
- If a customer needs population figures for symbolisation, this could be a solution

Thank you for your attention

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