

# Transformation of AU - Germany -

**Presentation to:** INSPIRE KEN Transformation workshop, Prague

**By:** Marcel Heimann (BKG)

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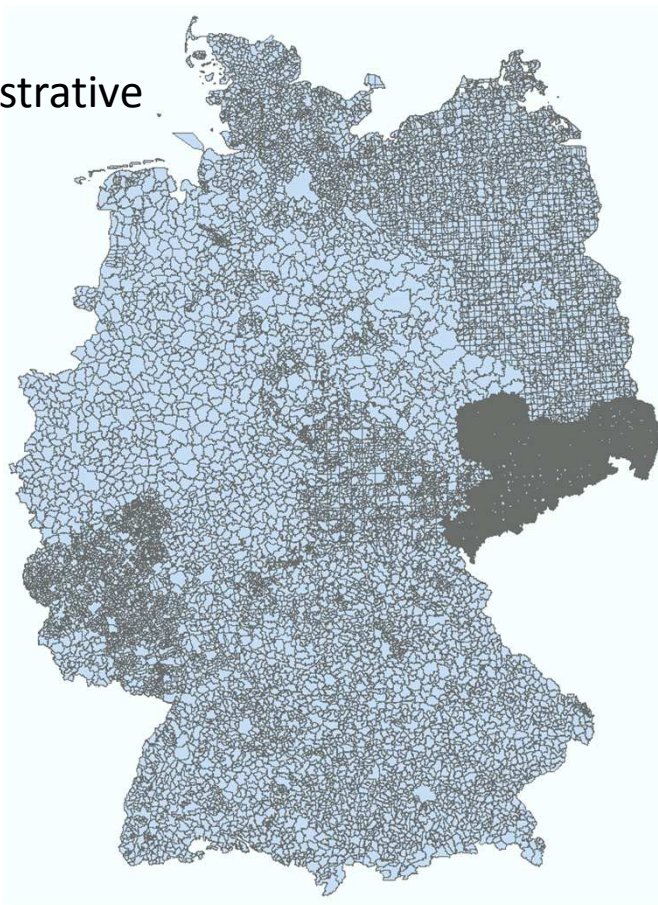
# Original national data

## ❖ BasisDLM

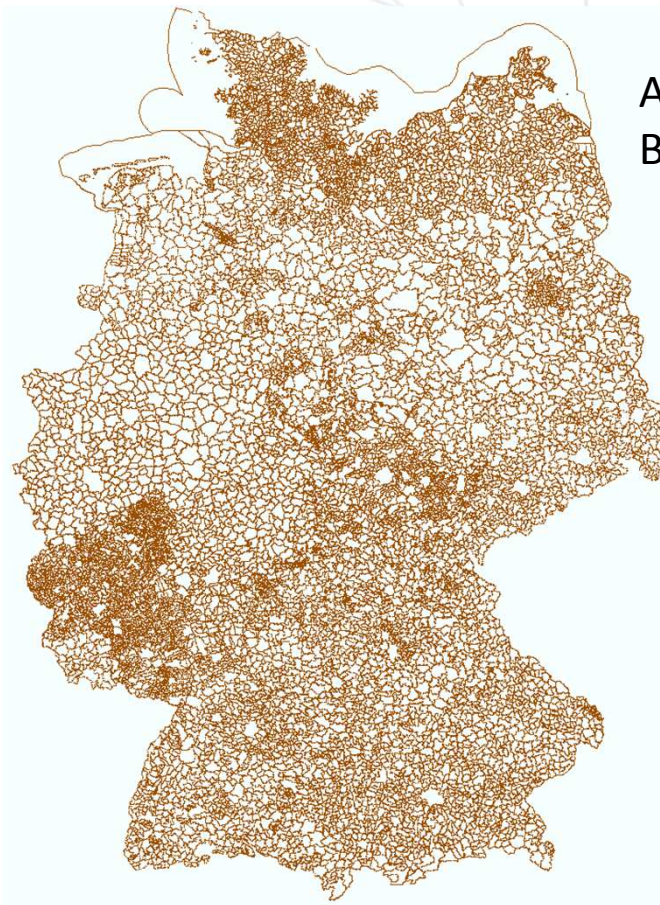
- ❖ Data source: Consists of the data from 16 federal states (Länder)
- ❖ Data format: File Geodatabase
- ❖ Scale: 1:25000
- ❖ EPSG: 25832 (UTM32N)

# Original national data

Administrative  
Units



Administrative  
Boundaries



# Original national data - issues

## ❖ Administrative Units

### ❖ Heterogeneous data from the federal states

- ❖ Not all six levels delivered by all states (complete for the first level only)
- ❖ Differences in administrative hierarchy: 4th level unavailable in some states
- ❖ Attributes not consistently filled accross all states

### ❖ Six administrative unit levels in one feature class

### ❖ Some states especially in eastern Germany provide their data as tiles

# Original national data - issues

- ❖ Administrative Boundaries
  - ❖ No closed boundary line for the first level
  - ❖ Boundaries just to be distinguished by a complex attribute, e.g.(7102#7104#7106)
- ❖ Common
  - ❖ Date format not compatible with INSPIRE date type

# Original national data – matching issues

## ❖ AdministrativeBoundary

- ❖ All attributes can be delivered except of endLifespanVersion and relationships

## ❖ AdministrativeUnit

- ❖ All attributes can be delivered except of endLifespanVersion and relationships

## ❖ Condominium

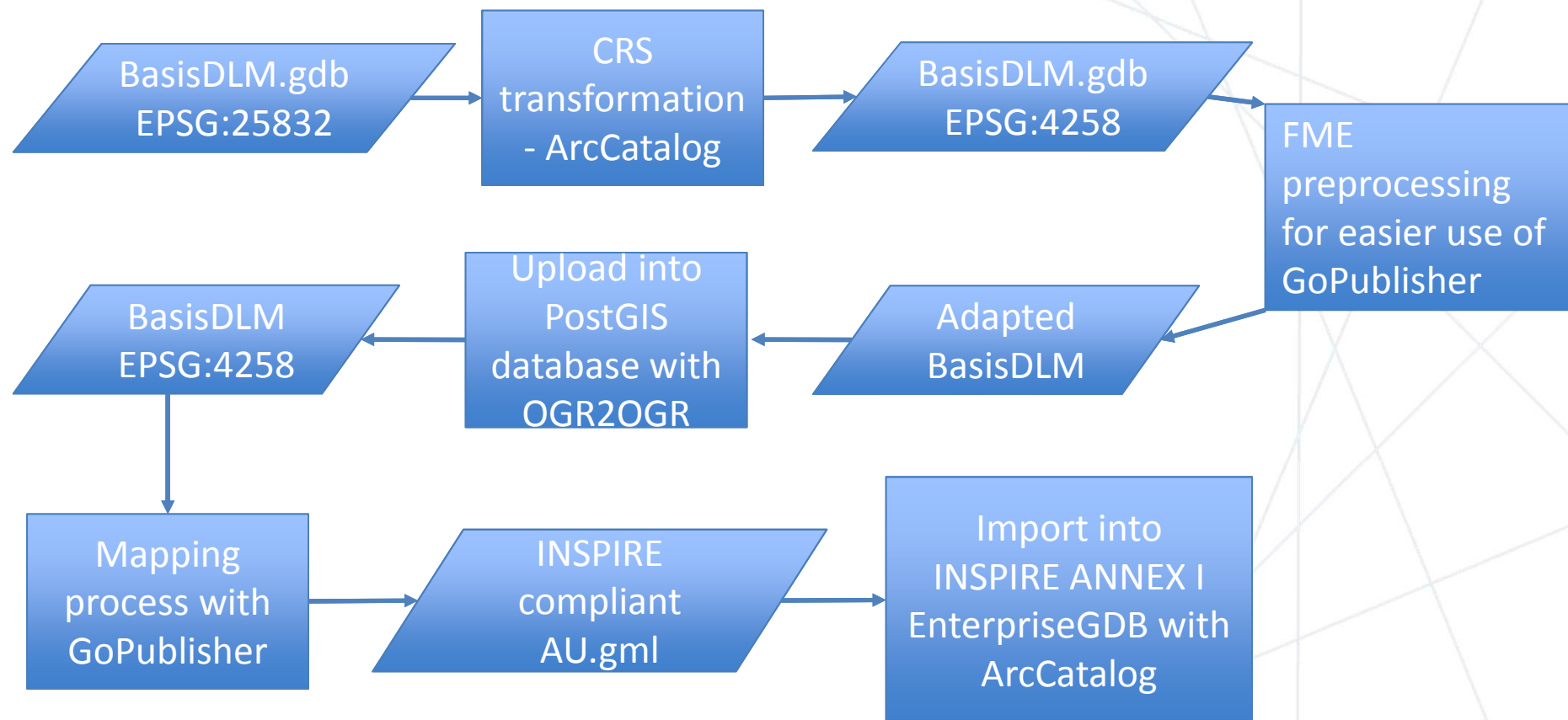
- ❖ All attributes can be delivered except of endLifespanVersion and relationships

## ❖ ResidenceOfAuthority

- ❖ Can not be delivered

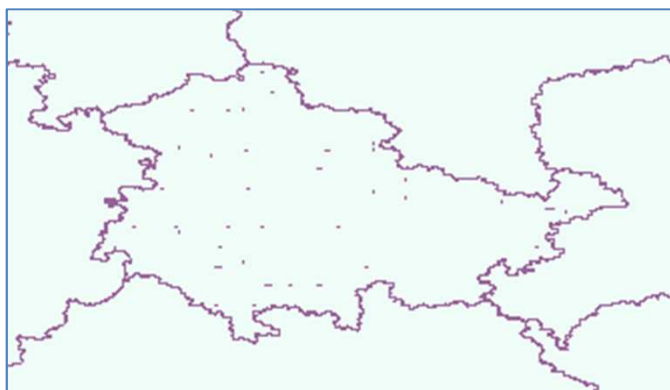


# Transformation workflow



# Tranformed national data - issues

- ❖ Preprocessing and removal of tiles lead to artefacts



- ❖ Missing or incomplete borders not sufficient for our needs





# Further procedure

- ❖ Advanced preprocessing steps with unpredictable outcome

or

- ❖ Change the source data from BasisDLM to an already harmonised national Administrative Unit dataset (VG25)