

## Handout 2: Research (Focus on Northern Italy / South Tyrol)

In this workshop session, you will deepen your knowledge of the REDE SprachGIS functionalities. Specifically, you will gather geographical and linguistic information on Northern Italy and South Tyrol, crucial for future cartographic visualizations.

### Exercise 1: Keyword Search for Administrative Units in Italy

You use the research tool to search for a place or a region.

#### Step 1: Search

- Open the search tool (Select `Tools > Research > Search overall`).
- Enter relevant administrative terms. Start with “Italien”.
- **!** The keyword search will most times work best with German terms.

#### Step 2: Load Results into Map

- Examine the search results carefully.
  - Identify the Geometry Identifier (GID) for each polygon.
  - Select the three dots `⋮` next to each search result to identify the coordinates.
  - Select the target icon `🎯` next to each search result to allocate the polygon in the map.
- **!** The “Empty layer” has to be activated.
- Load selected results into the map view via the arrow icon `➡`.
- Compare the three polygons of Italy carefully.

#### Step 3: Investigate Map Elements

- In the layer manager, click on the `Elements` tab (fourth tab, place icon `📍`).
- Here you can see the elements in your map. Delete two of the three Italy polygons by clicking on the trashcan icon `🗑`.

#### Step 4: Save Map

- Save your map as a user map (three dots in the map layer `⋮`). Give the user map a meaningful name. `Confirm`.
- **!** Only if you save a map as user map, you will be able to access it later.

### Exercise 2: Filter Search for Administrative Units in Italy

Fortunately, you do not have to know the names of each administrative unit (and especially in German!). You can just use the category filters in the search tool.

#### Step 1: Category Search

- Remove the text “Italien” from the `Search term` field.
- Under `Category` click on the `📁` icon next to `Administrative`.

- Scroll down to `Geometry_Type_Italien` and click on the  icon next to it.
- Here, you can choose between five different administrative units:
  - `Staat` = state -> Italy
  - `Region` = region -> Trentino-Alto Adige, etc.
  - `Provinz` = province -> Trento, Bolzano, etc.
  - `Gemeinde` = municipality -> Verona, etc.
  - `Bezirksgemeinschaften` = larger units in the province of Bolzano

### *Step 2: Load and Save Results*

- Decide on an administrative unit and select it. `Search`.
- Load the results into a new map layer using the icon .
- Rename the new layer in a meaningful way. `Confirm`.
- Save the map as user map. You can keep the name.

### **Exercise 3: Gathering Linguistic Data (Wenker questionnaires)**

After looking at geographical data, we will now turn to linguistic data. We will start with the Wenker questionnaires.

#### *Step 1: Search Wenker questionnaires*

- Close the `Search overall` tool.
- Open the `Search Wenkerbogen` tool.
- Here, we can use the radius search. Select the radius under `Perimeter`, then select the  icon.
- In the map view, click somewhere in South Tyrol.
- Click on the results for Wenker questionnaires (second tab .

#### *Step 2: Open a Wenker Questionnaire in the Wenkerbogen App*

- Select one Wenker questionnaire, then open it .
- A new tab with the Wenkerbogen app will open. Select `Aktivieren!` to activate session parameters.
- Investigate the Wenker questionnaire.
-  The Wenker questionnaires are not a focus of this workshop. We will later return to the Wenkerbogen app and, if applicable, can discuss the app further.
- Close this tab.
- Close the `Search Wenkerbogen` tool.

### **Exercise 4: Gathering Linguistic Data (Audio Recordings)**

#### *Step 1: Search Audio Recordings*

- Open the `Search speech recordings` tool.
- Under `Search options` choose `Map elements`.

- As layer, select the layer with Italy. As map element, select Italy.
- Search.

#### *Step 2: Examine Results*

- For Italy, we only have one sound recording in our GIS.
- Click on the results for audio recordings (second tab .
-  Task: Listen carefully to the audio example . In the end, close the Search speech recordings tool.

### **Exercise 5: Literature Research and Data Export**

#### *Step 1: Search Literature*

- Use the tool `Search literature`, to find literature focusing specifically on variational linguistics literature related to grammar or dialect studies.
- In the upper field `Search terms` you can enter keywords for your search, like “Fersentalerisch” or “Grammatik” – again, German will work best.
- In the lower field `Search term` you can enter the name of a municipality.
- Collect all relevant bibliographic information for a certain municipality (e.g., Bozen). Investigate the results (second tab .

#### *Step 2: Export the Bibliographic Results as a CSV or Excel file*

- In the results list, select the export icon .
- Ensure selected fields include necessary information such as titles, authors, and geographical references (`redeInfo` → GOBA). Select a file format. `Date Export`.
- Review your exported file in a spreadsheet or text editor.