**Explanation:** In the first part of our workshop, you will familiarize yourself with the interface of the REDE SprachGIS. You will learn to open maps, navigate in them and compare multiple maps. Next, you will get to know the research tool (search term and perimeter search).

**Unit 1 – Register and Login, SprachGIS Interface, Map Search, Navigation**

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|  | Go to [www.regionalsprache.de](http://www.regionalsprache.de) and - if you already have an account - log in. Change the language to English and open the REDE SprachGIS. Close the quick links so that you now see the map viewer. |
|  | Open the map search (top right) and load the map WA 507"(ge)bracht" (from Wenkers Sprachatlas des Deutschen Reichs (WA)) into the map viewer. (Enter the search phrase "gebracht", click on "R Raster"; the map is then loaded into the map viewer and appears in the layer manager as a new layer). |
|  | Exercise: Can you find the following maps and load them into your Layer Manager?* Map #176 „mein“ from Wenkers Sprachatlas des Deutschen Reichs (WA)
* Mapnumber #55 in Sprachatlas von Nordostbayern (SNOB): choose both maps: „R Raster“ and „V Vector“
* Südwestdeutscher Sprachatlas (SSA), search for maptype „MAP\_TYPE\_LEXICAL\_MAP“ and the first result from the list
 |
|  | Navigate in the map and get an overview. Move: Click and drag / Arrow keys Zoom: Scroll or +/-keys also: Navigation field (+/- top left) Operating hints (menu top left >Operating aids) |

**Unit 2: Background Map, loading several maps, overlaying maps, Layer Manager**

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|  | Explore the layer-related functions for a layer (dot menu in layer row). Try the Favorites and History functions in the Layer Manager. Delete and reload the map. |
|  | Background map* Make the map invisible (click on eye icon in the Layer Manager).
* Change the background map (menu dashes, top left) to the Open Street Maps map (OSM Mapnik). Try other background maps for example: Change the background map to a single-colored map. Color the background white.
* Make the Wenker map visible again and change its opacity slider to 40% in the layer manager (dots menu "layer properties") or in the right-click menu of the map view. Set the opacity slider back to 100%.
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|  | Overlay maps* Overlay two maps in your Layer Manager by changing its opacity slider to 40% in the layer manager (dots menu "layer properties") or in the right-click menu of the map view. Set the opacity slider back to 100%.
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|  | Layer Manager* Metadata (1st tab of the bottom bar): What is the query sentence in which the lemma "gebracht" was queried?
* Move the arrangement of the layers in the "layer stack" using Drag&Drop.
* Click on the Empty layer and thereby activate it.
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**Unit 3: Research tool: Search by entering search terms and perimeter search**

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|  | Open the Research tool via Select tools > Research > Search overall and search for "Arusha" by entering it as a search term. |
|  | Results Research tool* What is the GID for the ward Arusha Chini? (Remark: "GID" stands for "Geometry Identifier" and is the unique identification number of a map element; display via dot menu).
* Go through the results and practice to load those (e.g. districts) from the results to the map viewer (arrow symbol in results, empty layer activated).
* What other results do you find for the search term “Arusha”?
* In the Layer Manager, go to the tab Elements in layer/map (4th tab). There you will see a list of the elements which you loaded into the layer.
 |
|  | Search for more information in a perimeter of 30km around the ward Arusha Chini.* Explore the Perimeter Search function: click on Perimeter, select a radius of 30km, activate the crosshairs and click on Arusha Chini in the map viewer.
* How many results do you get in the different categories?
* Find the GIDs for the wards Mawenzi and Kirima. Load these wards into your map.
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**Unit 4: Visualization of the Variation-Linguistic Spectra in Germany using Dialect Measurement**

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|  | Variation-Linguistic Spectra* Refresh the page and in the quick start into the system click > "Spektrumsanalysen" > Continue.

Take a look at the spectrum analysis in Trostberg. * Click on the place Trostberg in the map viewer.
* Open the spectrum analysis viewer via the arrow on the left side (“Show Spectrum analysis”)
* What are the differences between the three generations with regard to the interview situation?
* In addition, take a look at the spectrum analysis from Dresden. What stands out in comparison to Trostberg?
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Homework:

Use the research-tool to find the district Arusha DC. Load it into your map viewer and use the perimeter search to find all wards within the range of 30km around the center of Arusha DC.

Note the ward names and the GID for the 20 first entries in this table (you will be working with these in the next workshop session).

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| **Ward** | **GID** |
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