

CONCEPT Customised Web Map: MINKT Stories

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Project Collaboration: <https://git.sbg.ac.at/s1079105/geoappdev-webmap>

Topic: Replace MINKT Stories web map through an improved OpenLayers web map

Background: The MINKT Stories platform is designed for a series of workshops with teenagers in the Lungauer region of Austria. The workshops foresee the teenagers to capture photos on predefined topics and upload each photo together with a story and its location on the platform. The platform serves both as a data capturing and visualisation tool. It will be used as a basis for discussions about the data that has been captured.

Description: A more detailed description of the underlying project can be found at: <https://minkt-stories-lungau.zgis.at/>

More specifically, the focus of this customised web mapping project will be:

- (1) integrating an existing Suvey123's feature layer into the OpenLayers web map by means of a **Web Feature Service (WFS)**
- (2) offering the user **interaction** with the map and the data through pop-ups which contain the stories and photos, LayerSwitchers for thematic groups of features and basemaps, category filters, and a geolocation function
- (3) implementing topic-appropriate **visualisations** with functions such as feature clustering, on-hover highlighting, various icons and basemaps

Depending on progress and time constraints, further ideas or follow-up projects for the web map might include:

- creating an interactive gallery based on the photos from the stories where clicking on an image will cause the map to zoom to the location where the image was taken
- integrate the data entry into the map as well. This may be implemented by adding a button that activates geolocation and a pop-up at the user's location in which either the Survey123 is embedded, or the data is otherwise entered.

Data Source: The content of the map will be created by the workshop participants. The data is automatically stored in a feature layer as it is entered in Survey123. This feature layer can then be published as a WFS and integrated into the OpenLayers web map. A dummy dataset will be created to test the individual functionality extensions one after the other. This dataset will include various kinds of sample places including the filled-out form and attached images.

