

**STSM Applicant:** Ms. Kamila Stachura, Adam Mickiewicz University, Poznan (Poland)

**STSM Topic:** Environmental analysis of land use changes in green infrastructure of city (allotment gardens)

**Host Institute:** University of Salzburg, Salzburg (Austria)

**Work Plan Summary:**

Allotment gardens are important element of the green infrastructure of the city, protected by law. For inhabitants is meaningful as leisure activity and the personal experience of sowing, growing, cultivating and harvesting healthy vegetables among the city buildings, rest from stress of work.

Usage of the allotment gardens is supposed to being changed with its functions and transformations of its closest neighborhood. On the one hand, the very beginning of allotment gardens on the example of Poznan; city were difficult due to its locations wetlands, bogs and swamps. On the other hand, nowadays, direct influence of the noise, binding dust and pollutions has impact on its functioning.

In the light of above, comprehensive investigation into transformation of usage of the study object as well as its closest neighbourhood is worth to consider. The crucial inquiry is how location of allotment gardens in relation to other forms of usage in the city influence on land use changes in the closest neighbourhood.

**Goals:**

1. Investigation into usage changes of the green infrastructure, with particular emphasis on allotment gardens and its neighbourhood, Poznan; and Salzburg cities areas case study
2. Analysis of similarities and differences in usage modifications of the green infrastructure, with particular emphasis on allotment gardens and its neighbourhood between cities Poznan; and Salzburg

**Methodology:**

1. Research procedure will be based on the following research methods:
2. Cartographic method (using GIS tools: ArcGIS program)
3. Statistic methods (basic statistic indicators, graphic form of presentation results, Excel program)
4. Review of available literature, legal acts and planning documents