**Summer School HSOS/AUST/AAU/NU (20.-27.09 2017)**

**Preliminary Program**

● 20.09.2017 (Wednesday): Arrival of the group in Osnabrueck, settling into the rooms, welcome dinner

● 21.09.2017 (Thursday): Welcome and introduction into the program, introductory lectures, campus tour

● 22.-24.09.2017 (Friday to Sunday): trip to Berlin via Wolfsburg (visit Autostadt VW Volkswagen, and Berlin)

● 25.-26.09.2017 (Monday to Tuesday): Projects in small groups of International and German students (1.5 days group work, 0.5 days presentations). Planned projects:

- Waste materials from mining and heavy industry, simple lab characterization of these materials
 (MEUSER)

- Quick test for mineral Nitrogen in soils, comparison of quick test and standard lab methods
 (BETTIN)

- Introduction to the preparation of soil lacquer profiles and soil monoliths, preparation of a small
 soil monolith (ANLAUF)

- Production of tomatoes in greenhouses with different types of cover glasses, comparison of simple measurements of chemical content and sensoric evaluations (MELZER)

- Simple soil biological measurements with respect to soil compaction (OPREE)

- Simple soil physical measurements with respect to soil compaction (REHRMANN)

● 27.-29.09.2017 (Wednesday to Friday):

- Lectures (e.g. Contaminated land and its remediation, Environmental aspects of intensive agriculture in Germany, Organic farming, Pesticide pollution in Thailand, presentations of international colleagues

- Excursionens (visit of stone quarry and anthracite coal mining, visit of soil suction probes, biogas plant, large agricultural farm, visit of soil profiles, visit of peat mining and peat recultivation areas, visit of waste treatment plant)

- Osnabrueck sightseeing

- Joint dinner, closing event

● 30.09.2017 (Saturday): departure of the group from Osnabrueck