

**Name:** Nicole Seidl

**Institution:** ITAS at Forschungszentrum Karlsruhe, University Koblenz-Landau

**Title of the work (Working title):** Selection and Analysis of Sustainable Indicators for waste for Santiago de Chile (Diplomarbeit)

**Overall project:** „Risk Habitat Megacity“

**Supervisors:** Klaus Rainer Bräutigam, Prof. Dr. Stipproweit

**Expected working time frame:** January 2007 - July 2008

**Research question:**

- Which sustainable indicators based on the FZK ITAS study "Sustainable Criteria and Sustainable Indicators for the Waste Management in Germany" can be adapted to the situation of Santiago?
- Are there any national and regional sustainable indicator kits for waste in Latin America that can be adapted to the situation of Santiago?
- Which of the available indicators are appropriate to illustrate the future action guideline for the waste management in Santiago?

**Hypotheses:**

The proposed indicator kit of the study "Sustainable Criteria and Sustainable Indicators for the Waste Management in Germany" can be adapted in many fields of the waste situation in Santiago despite of its reference to Germany. Because of its integrative body (Hemholtz Integrative Concept of Sustainable Development) it is addressed to significant problems of the waste management in Santiago. Since the informal sector influences the waste management in a significant way, this part plays a specific role in creating the indicator kit.

**Methodology:** Firstly, the present waste management situation in Santiago will be described. Secondly, based on the Hemholtz Integrative Concept of Sustainable Development a system of appropriate and locally adopted indicators for waste management will be worked out. This will be carried out by the analysis of the sustainable waste indicators in the study "sustainable criteria and sustainable indicators for the waste management in Germany" and other national and regional sustainable indicator systems for waste management in Latin America (top down approach). Finally the proposed indicator kit for waste will be discussed and modified in cooperation with the partners and stakeholders from Chile (bottom up approach).