Figure 1. Description of the survey process.

- **Step 1:** Waste characterization - Evaluation of sorting, collection, storage, transportation and disposal practices. Waste weighing using physical balance. 23 item questionnaire survey involving 1 public & 11 private hospitals.

- **Step 2:** Identification of organizational structure for waste management activities. HWM structure at 1 public & 1 private hospital compared using Social Network Analysis using communication patterns between all players involved in HWM.

- **Step 3:** Evaluation of knowledge and awareness levels of waste management staff. Nurses & sanitary staff at 1 public & 11 private hospitals interviewed using a multiple choice questionnaire.

- **Step 4:** Blood test screening of hospital waste collection staff. 132 subjects voluntered out of a total of 206 at 1 public and 9 private hospitals. Data from interview survey used to determine significant risk factors using logistic regression.

- **Step 5:** Identification of motivational factors for sound HWM. Final sample size included 244 out of a total of 382 nurses at 1 public and 10 private hospitals. Data from questionnaire survey analysed by Exploratory & Confirmatory Factor Analyses.

- **Step 6:** Comparison of waste disposal scenarios based on greenhouse gas emissions. Waste measurements from Step 1 used to calculate CO₂ emissions from 3 different waste disposal scenarios using different kinds of technologies.