

# Annex 1. Macro-Level Criteria

The macro-level indicators include level of national awareness and supply and demand for GIS analyses and products over the last 10 years.

## Level of national awareness

- Number of staff (management level, operational level) trained in GIS.
- Number of GIS-related significant events organized (conferences, seminars, and workshops).
- Number of in-country GIS training facilities.
- Spatial distribution of GIS experts in the country.
- Number of regular publications in the GIS field and their sponsoring institutions.
- Number of known decision-makers supportive, not supportive, or even hostile to GIS.

## Supply and demand for GIS analyses and products

- Demand characteristics.
  - *Key users of GIS products in the country.*
  - *How many times decision-makers requested a GIS analysis at policy and managerial levels: in governmental agencies, international organizations, NGOs, and the private sector?*
  - *How many times the analysis or GIS product was initiated by a donor agency?*
- Supply characteristics.
  - *Evaluation of the capacity of existing GIS centers to satisfy the demand in this field.*
  - *How many GIS facilities (centers, labs, training agencies, etc.) exist in the country: in governmental agencies, international organizations, NGO's, and the private sector?*
  - *What is the average duration of completed projects over the past 10 years?*
  - *How many were completed on time and how many were delayed? What is the average delay time and why?*
  - *At the time of the survey, how many projects were ongoing and how many were planned and approved for execution in 1999?*