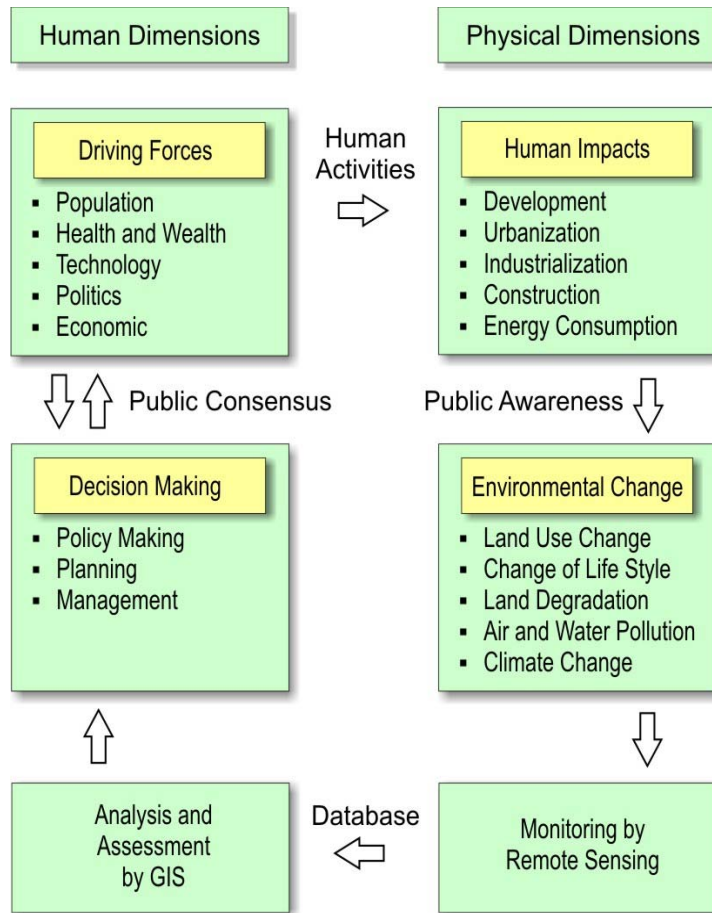


2.04 GIS for Decision Makers

The decision-makers in the CLUP planning process include the municipal local executives such as the Mayor, the Vice Mayor, the Barangay Captains and the members of the Sangguniang Bayan, and all the other stakeholders who have a stake in setting the municipality's/city's future directions and the planned layout of land uses.



GIS plays an important role in decision making for sustainable development, given its ability to provide useful information for analysis and assessment.

The development process framework shown herein illustrates how GIS can track the results of the **decision making** process (which includes policy making, planning and management) and how it influences the **driving forces** of development (such as population, health and wealth, technology, politics and economics). GIS can be used to monitor the results (**human impacts**) of development, and what its impacts are, on the physical, social, and economic environment (**environmental change**).

The ensuing changes in these processes can be **monitored through GIS** (with the use of appropriate methods such as remote sensing, for example), and the resulting information can be **processed and analyzed with the help of GIS**, in order to provide timely, accurate, and concise information that can be provided to the **decision makers**, and the planners when they plan for the appropriate interventions for the **driving forces** to achieve sustainable development., thus completing the loop.

Sustainability of the whole cycle of development will be enabled by the availability of the information as gathered through GIS and its wider dissemination among the various stakeholders and the general public. This in turn raises public awareness of the issues regarding the impacts of development, and triggers the demand for public consensus and transparency in decision making.