

# The Future of Swiss Hydropower: Sustainability Assessment

## Integrated Sustainability Assessment of Hydropower projects

### Sustainability Assessment

**Generic approach.** It is based on the scientific literature review, which itself allows the first mapping process.

### Stakeholder Dialogue

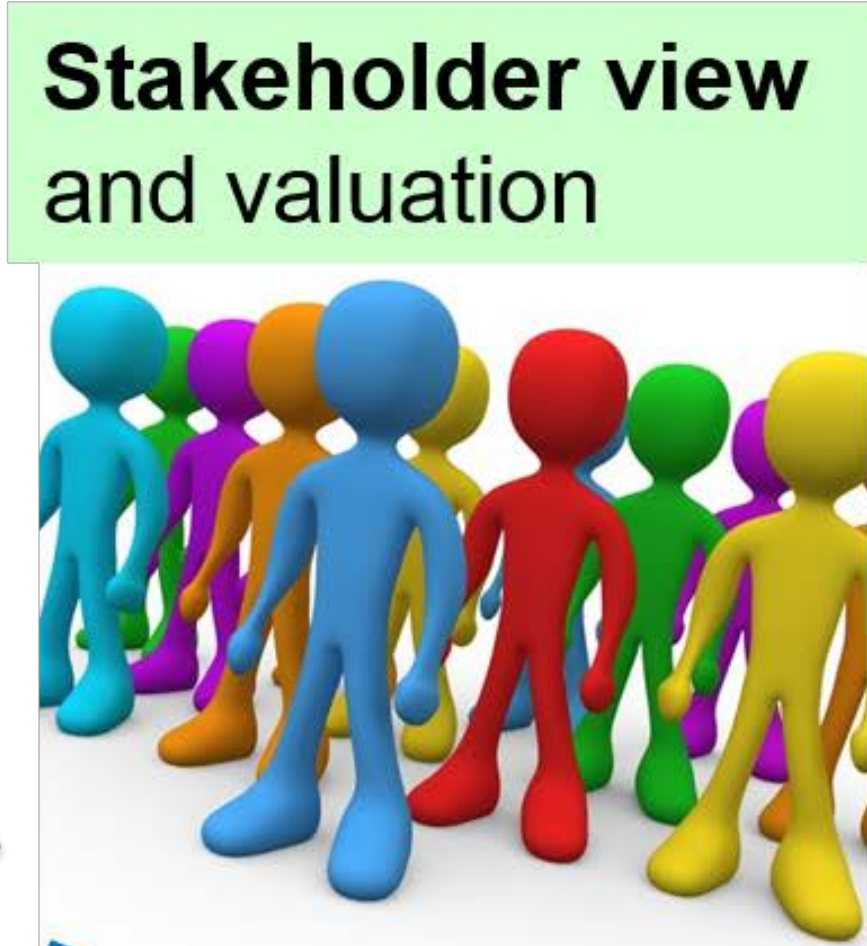
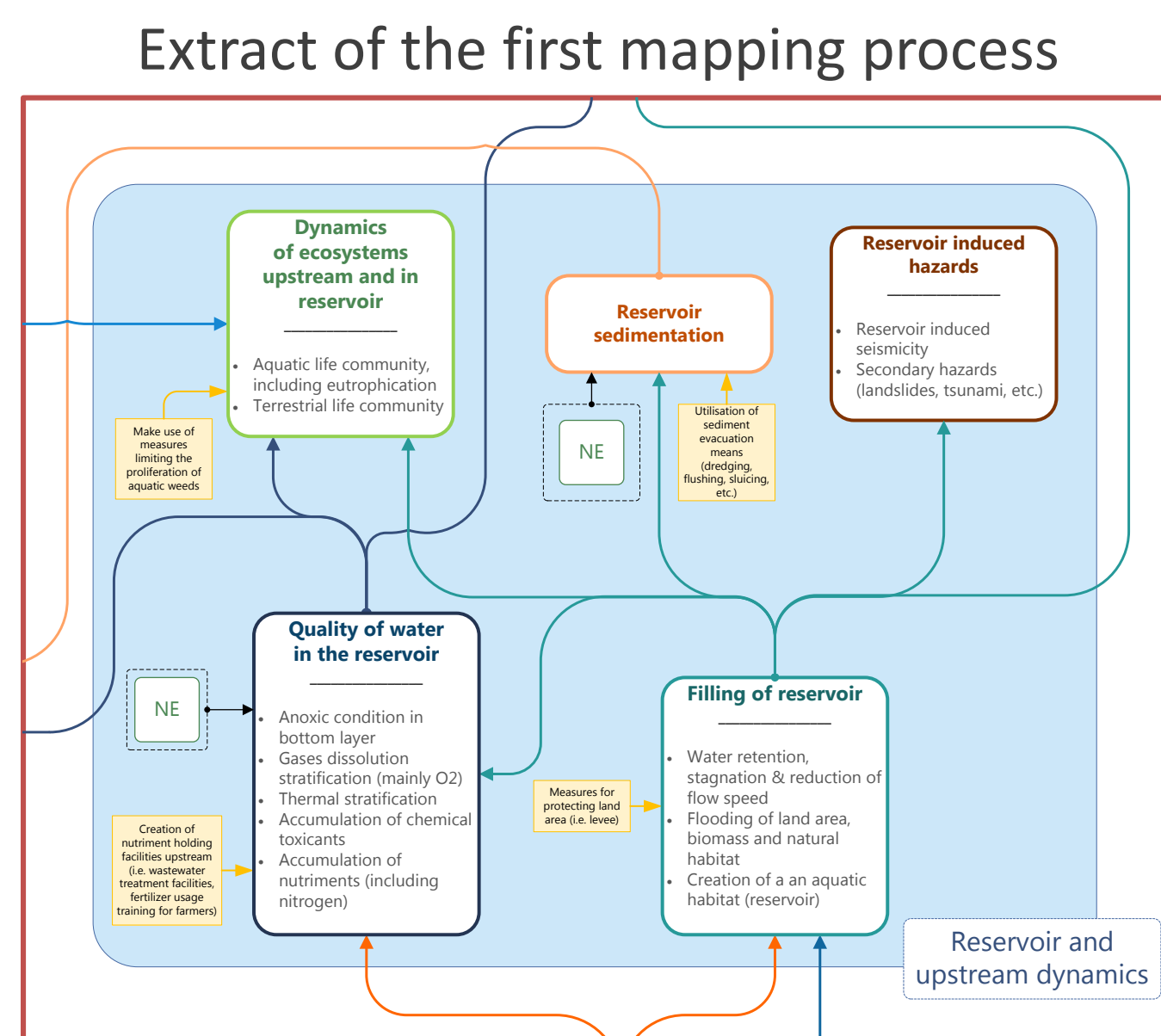
**Generic approach.** It is based on the identification of key stakeholders and their major concerns. This step leads to the identification of “community values” and specific indicators.

### Generic Model / Framework

Comprehension and **mapping** of the interdependence and interactions of main variables in a **systemic** way

Comprehension and **mapping** of the interdependence and interactions of main variables from a stakeholders' perspective

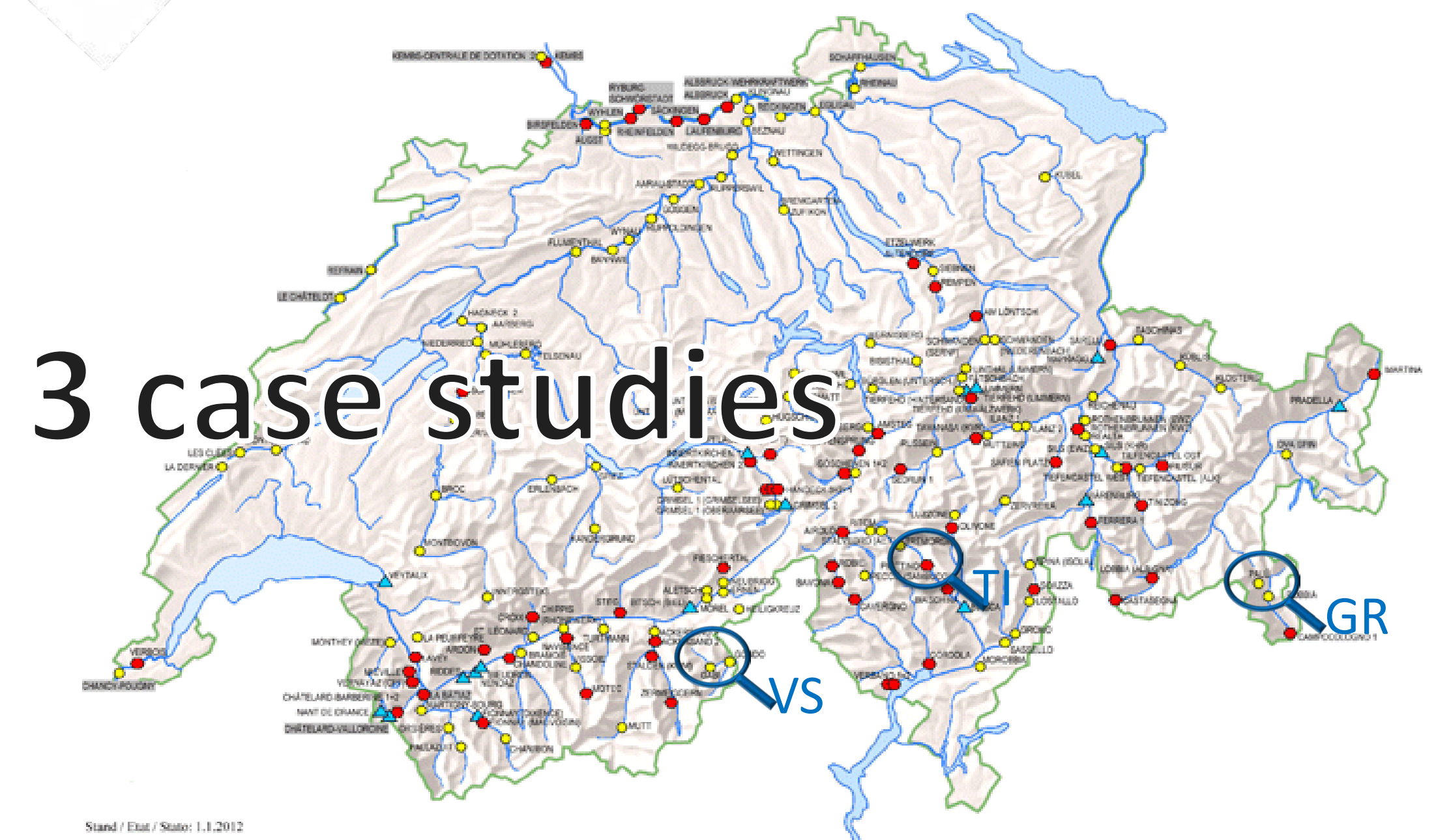
#### The “2 Sides of the Coin”:



**System view and representation** (HP plants and their impacts)

Elaboration of an **integrated stakeholder process**, based on scientific information and stakeholder valuations

**Theoretical approach** based on the concepts of **sensible sustainability** (Serageldin, 1996) and the **sustainability-based social value function** (Hediger, 2000) and its application to the **corporate level** (Hediger, 2010)



## Integrated Sustainability Assessment