

# W-VAA Tools

## Qualitative Tools

Livelihood  
Seasonal  
Calendar

Village Transect  
Mapping

Vulnerability  
Hazard  
mapping

Visioning

**MEI**

## Quantitative Tools

### Disciplinary tools

Climate data

Climate  
Information

Hydrological  
models

Land use  
change models

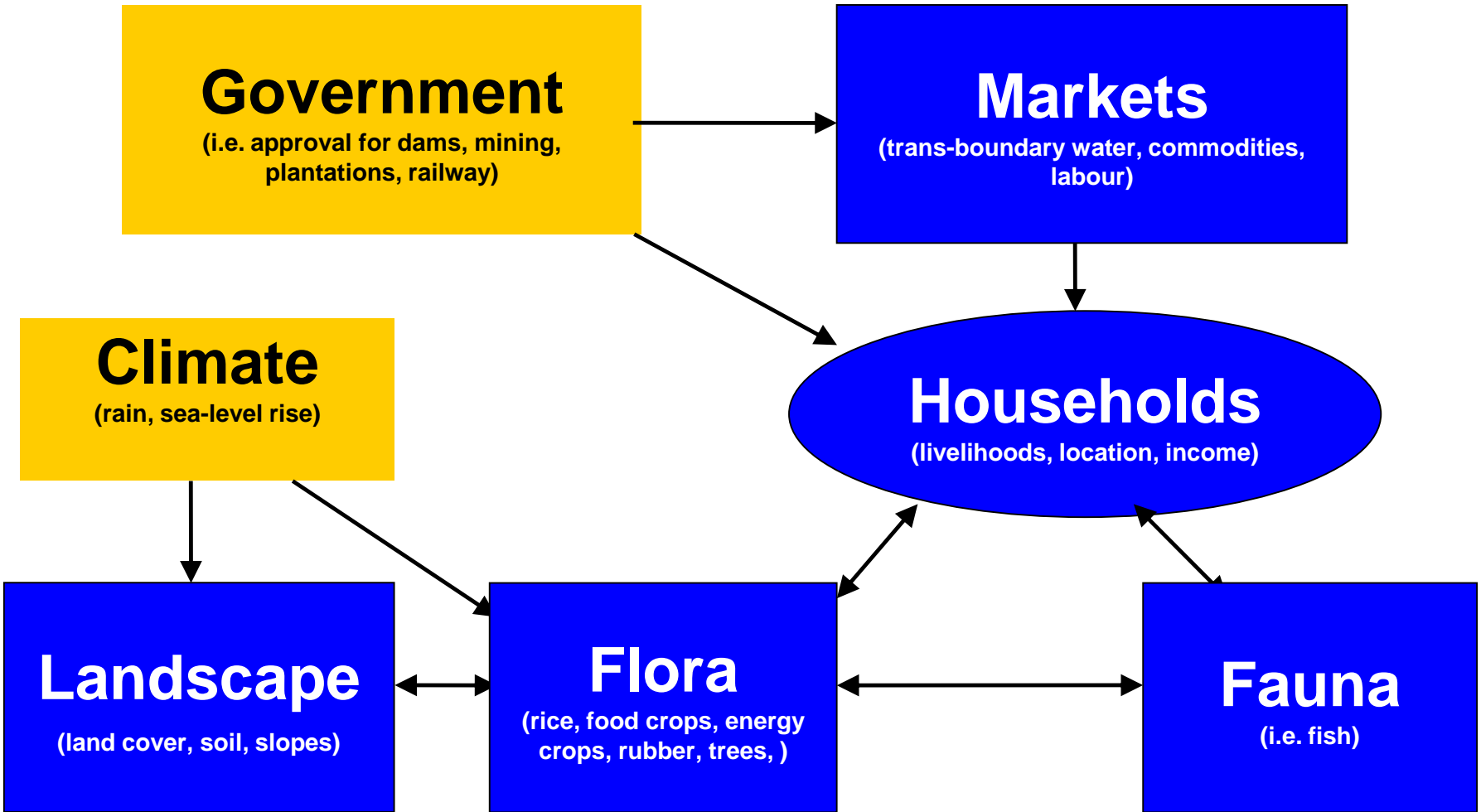
Socioeconomic  
models

### Integrative tools

Spatial Multi-  
Criteria Analysis

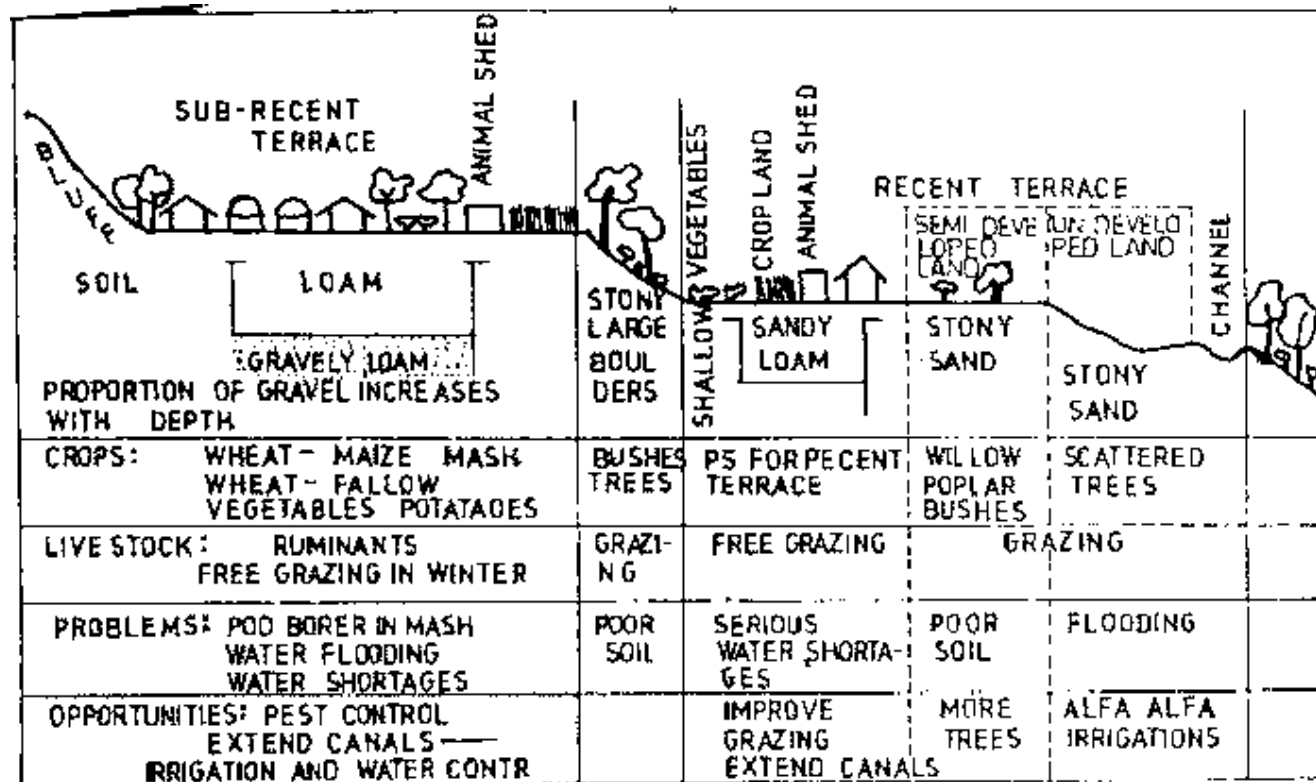
Simulation  
modelling

# MerSim: Mekong Region Simulation model



# Qualitative Tools: Village transects

- Method to identify social & environmental rural conditions
- Describing the location and distribution of natural resources, livelihoods, cropping systems,
- Example tool: World Bank's Transect Walk



GEOGRAPHICAL TRANSECTS: This is a transect of a village

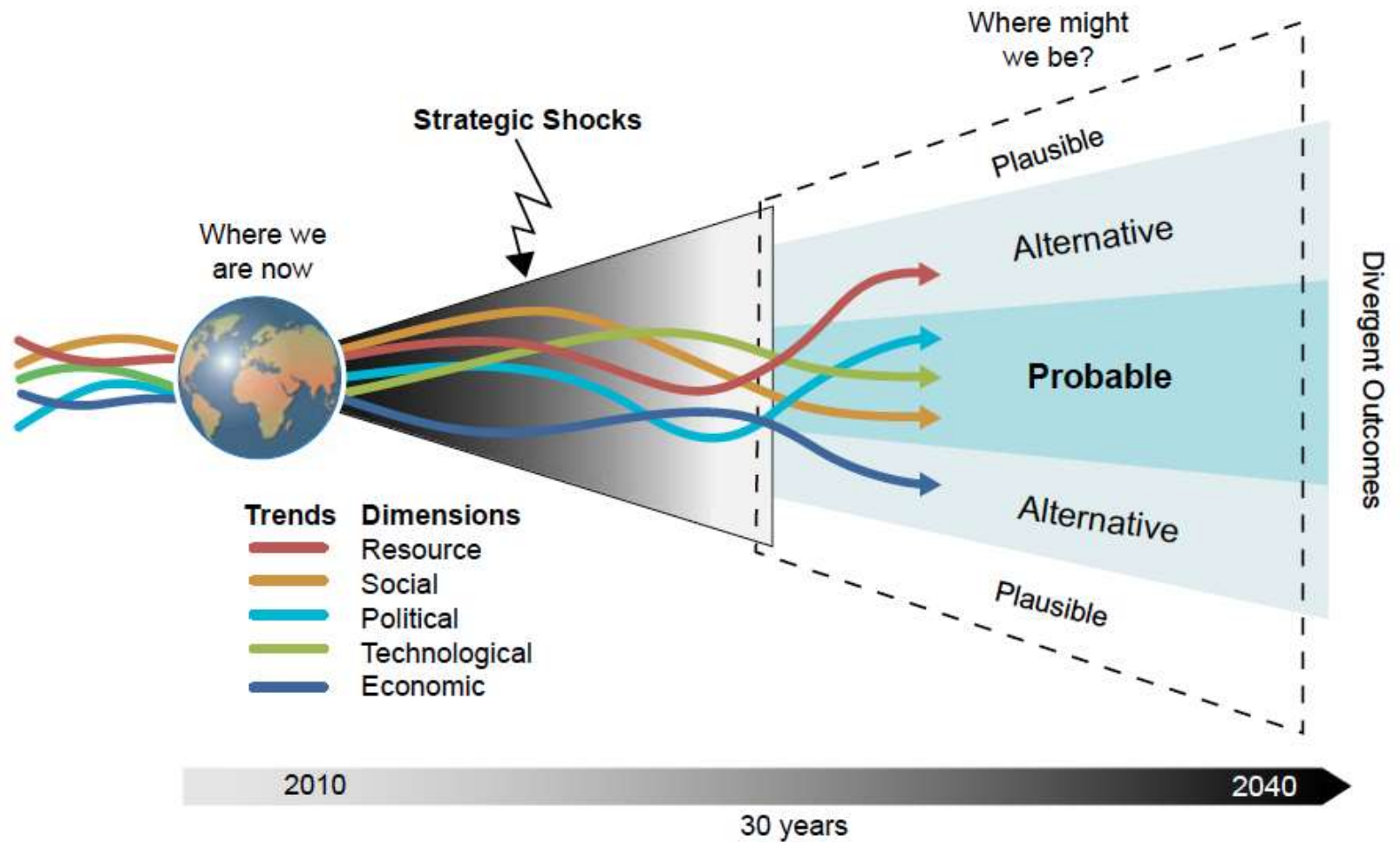


# Qualitative Tools: Hazard ranking

Method to identify, spatially map, and rank hazards

1. Presence of vulnerable populations
2. Duration of exposure,
3. Frequency of exposure,
4. Likelihood of effects,
5. Magnitude/severity of effects,
6. Geographic extent, and
7. Effectiveness of setbacks.

# Qualitative Tools: Visioning



MERFI - Mekong Region Futures Institute