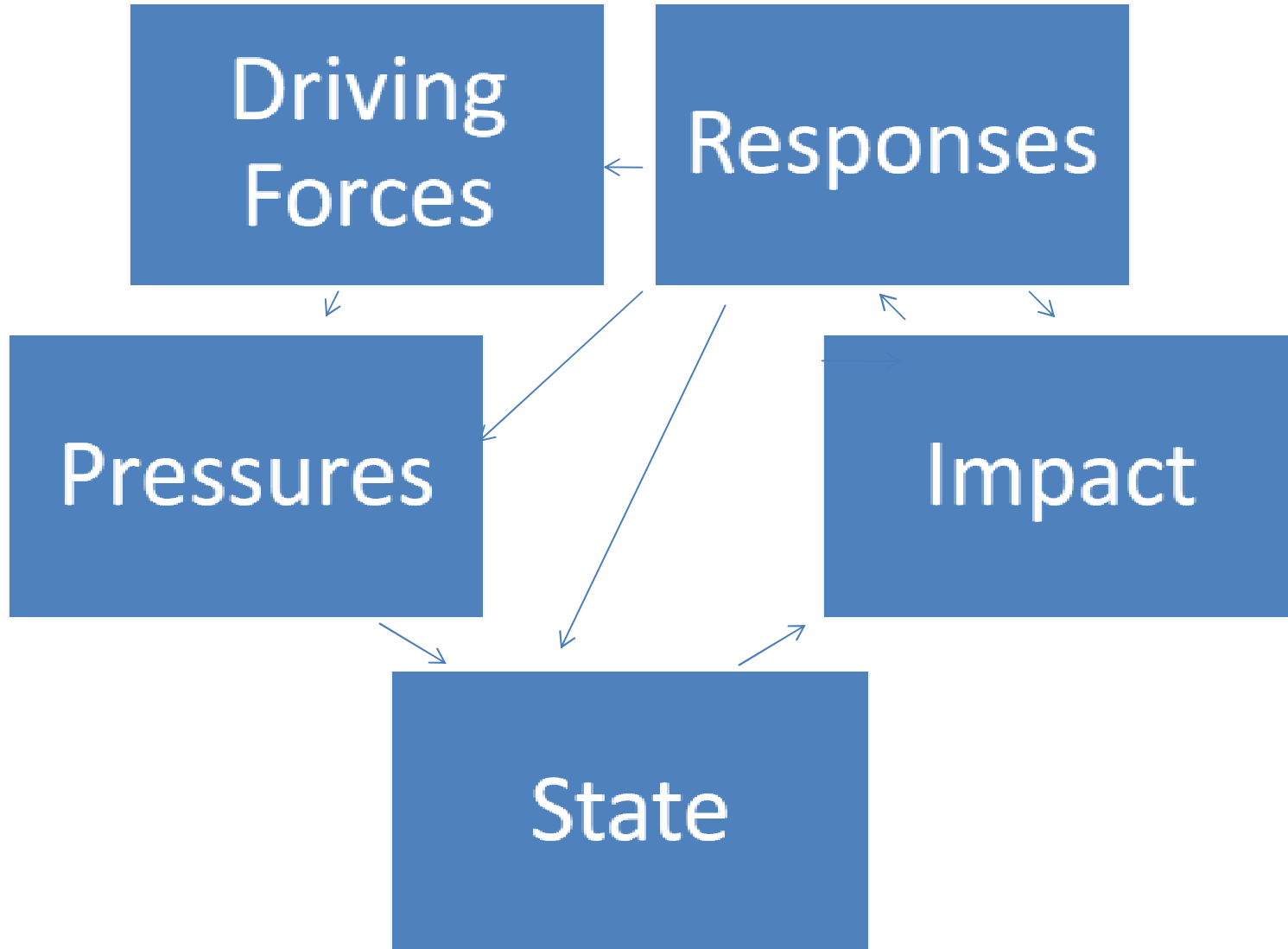




HOW TO CONSERVE THE NATURAL AND CULTURAL ECOSYSTEM SERVICES IN THE VERDON CATCHMENT?

MASSIF Project - Alternet Summer School
2009, funded by the EC

DPSIR Approach



Current Ecosystems

- Main ecosystems in Verdon basin are:
 - forests (71%)
 - agriculture (16%)
 - open landscape (10%)
 - water (1%)
 - settlement (1%)
 - others (1%)



Ecosystem Services/1

- Forests:
 - Water regulation
 - Recreation
 - Habitat for (wolves,
 - Erosion control
- Grassland
 - Biomass (sheep)
 - Habitat (endemic species, endangered species)
 - Recreation
 - Erosion control
 - Water regulation
- Agriculture
 - Biomass
 - Recreation

Ecosystem Services/2

- Water
 - Drinking water
 - Electricity
 - Habitat
 - Recreation
- Settlement
 - Habitat
 - Recreation

Drivers

- Population decrease/Urbanization
- Subsidies on sheep-keeping
- Increase of tourism (all season)
- Mechanization

Pressures/1

- **Climate Change:**

- Reduction of summer precipitation
- More extreme events
- Higher temperatures



Impacts

- Less Water (Quality and Quantity)
- More Erosion/disturbance
- Less Biodiversity (Agricultural)

Pressures/2

- **Landuse Changes:**
 - Increasing Herds size of sheep/area
 - Intensification in grazing area
 - More Lavender -- Less Almond
 - Extensification in other areas
 - More Oak plantation
 - Pesticides
- **Pesticides**
- **Tourism**