



# Agriculture in the Verdon Catchment

## *Methodology*

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# DPSIR Approach

1. Driving forces for agriculture
2. Pressures, physical consequences of human activities
3. Current state of agriculture
4. Impact and vulnerability assessment
5. Response (policy action) and recommendations for the agricultural sector

# 1. Driving forces

Government subsidies

Yield

Employment

Number of farms

Farm management (farmers decisions)

Income

Crop price

Irrigation

Farmland cover

Erosion control

Grazing (sheep)

Water retention

Timber

Hydrological schemes (dams)

Diseases in agriculture

Reforestation

Water availability

# 2. Pressures

Habitat fragmentation  
Habitat degradation/destruction  
Water scarcity  
Invasive species  
Increase of pest incidence  
Pollution (air, soil, water)  
Acidification  
Deforestation  
Climate change  
Soil degradation  
Erosions  
Afforestation/reforestation  
Fire frequency/intensity  
Poverty

# 3. Current status

Table 1. Ecosystem Services *related* to agriculture in the Verdon Catchment

Ecosystem Services			
Provisioning	Regulating	Cultural	Supporting
<ul style="list-style-type: none"> <li>▪ Food (<i>meat, honey, truffle, almonds etc.</i>)</li> <li>▪ Water provision</li> <li>▪ Wood (?)</li> <li>▪ Lavender oil</li> </ul>	<ul style="list-style-type: none"> <li>▪ Water regulation</li> <li>▪ Fire regulation</li> <li>▪ Pollination</li> <li>▪ Pest control</li> </ul>	<ul style="list-style-type: none"> <li>▪ Aesthetics (<i>lavender, forest, grazing landscapes in mountains</i>)</li> <li>▪ Recreational (<i>as above</i>)</li> <li>▪ Education?</li> </ul>	<ul style="list-style-type: none"> <li>▪ Nutrient cycling</li> <li>▪ Soil formation</li> <li>▪ Primary production</li> </ul>

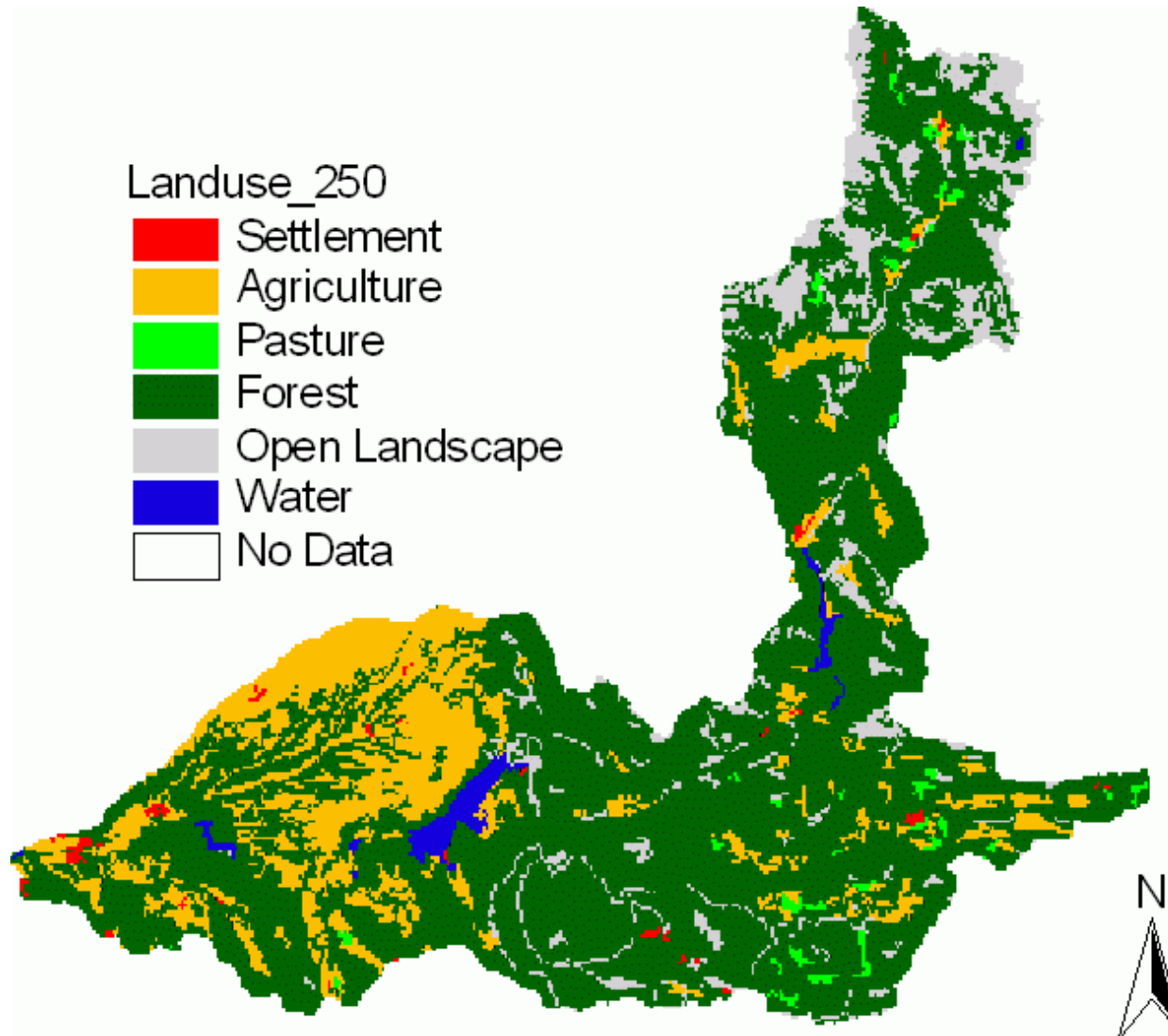
# 3. Current status

## Common issues

(from stakeholder meeting; common for all AND related to agriculture)

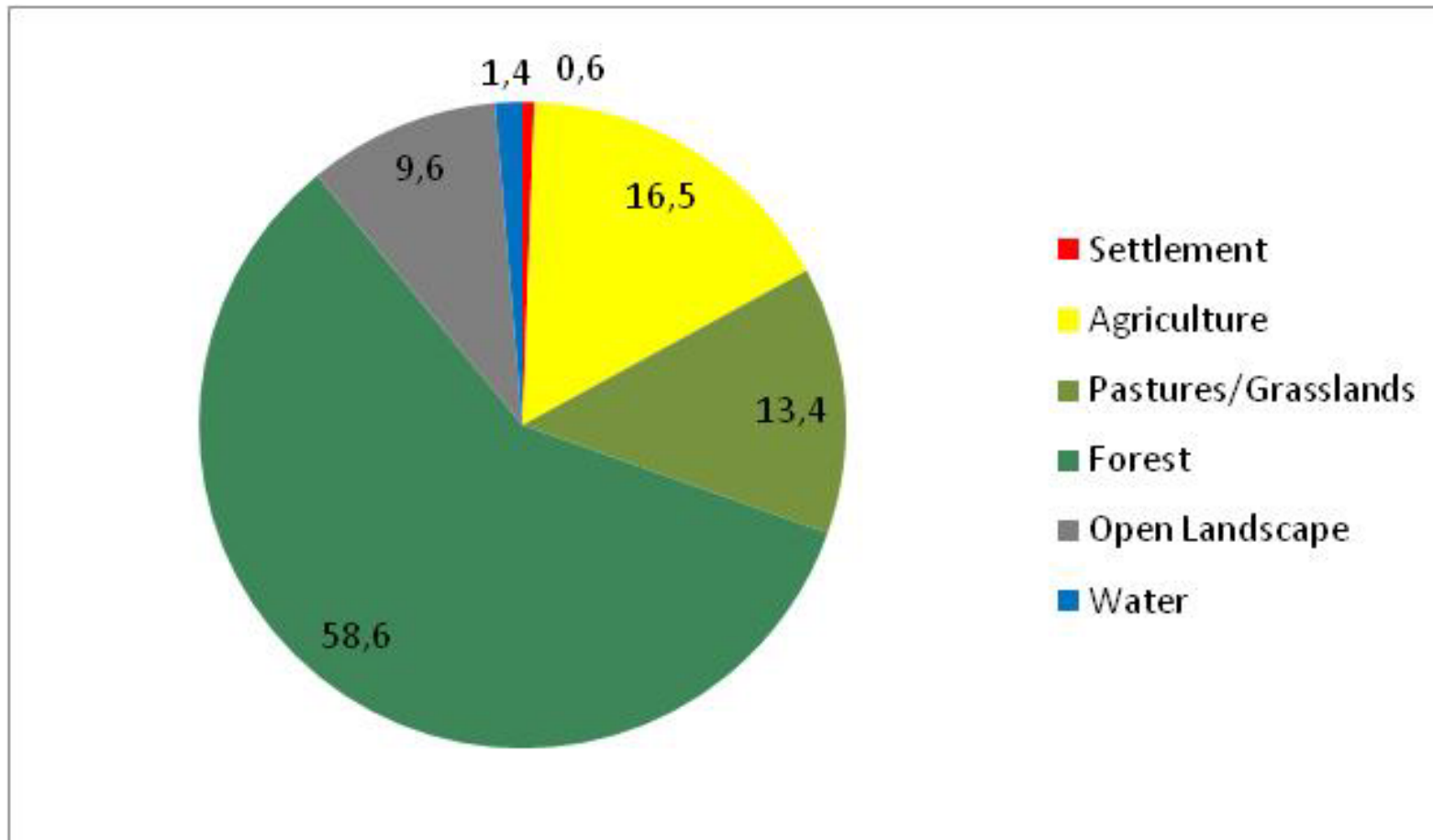
- Climate change
- Land use
- Water availability
- Biodiversity
- Effects on economy
- Development of agriculture

# 3. Current status



# 3. Current status

Land-uses



# 3. Current status

## Agricultural land-uses

