



# REACTION

## MEDITERRANEAN RESTORATION INFORMATION SYSTEM: THE QUESTIONNAIRE (Deliverable D2)

Project Co-ordinator: **Dr. V. Ramon Vallejo (CEAM)**  
Contract number: **EVK2-CT2002-80025**  
Duration of the project: **January 2003- December 2005**

*Rev 2006*

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<b>I. GENERAL INFORMATION</b>	
(Please use complete sentences. Fields will expand as necessary as you type)	
<b>I.1. General description</b>	
<b>1. Project title:</b> a) Full title b) Project code ( <i>acronym, for data base management purposes</i> ):	
<b>2. Location</b>	
Country:	Centre point coordinates (UTM):
Region:	X (m):                  Y (m):
Counties included in project:	
Toponymic site name:	
<b>3. Time Frame</b> (implementation period of the project).	
Date of first restoration actions:	
Date(s) when additional actions were undertaken:	
<u>Date</u>	<u>Action</u>
Date when project ended:	
Date when this form is completed:	
<b>4. Size of Project:</b>	
Total size (ha):	
If possible, indicate size at successive stages in the project (for example: 1952: 500 ha, 1960: 450 ha,...):	

<b>I. 2. Data sources</b>																																																																														
<p><b>1. Project Contact:</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Last Name:</p> <p>Organisation:</p> <p>Street Address:</p> <p>State:</p> <p>Phone:</p> <p>Email:</p> <p>Relationship with the project:</p> </div> <div style="width: 45%;"> <p>First Name:</p> <p>Job Title:</p> <p>City:</p> <p>Postal code:</p> <p>Fax number:</p> <p>Web page Address:</p> </div> </div> <p>Design <input type="checkbox"/>, Implementation <input type="checkbox"/>, Management of project area <input type="checkbox"/>, Research <input type="checkbox"/>, Other (describe):</p>																																																																														
<p><b>2. Data form contact</b> (person who fills out the form):</p> <p><i>Data Contact same as Project Contact?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>If no, please indicate:</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Last Name:</p> <p>Organisation:</p> <p>Street Address:</p> <p>State:</p> <p>Phone:</p> <p>Email:</p> <p>Relationship with the project:</p> </div> <div style="width: 45%;"> <p>First Name:</p> <p>Job Title:</p> <p>City:</p> <p>Postal code:</p> <p>Fax number:</p> <p>Web page Address:</p> </div> </div> <p>Research <input type="checkbox"/>, Technical assistance <input type="checkbox"/>, Other (describe):</p>																																																																														
<p><b>3. Cartographic data</b></p> <p>If cartographic documents are available within the perimeter area of the project please attach and indicate here:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2" style="text-align: left;">Type</th> <th style="text-align: left;">Contents</th> <th style="text-align: left;">Date of data adquisition</th> <th style="text-align: left;">Scale</th> <th colspan="2" style="text-align: left;">Any copy provided?</th> <th style="text-align: left;">Comments on accessibility</th> </tr> <tr> <th style="text-align: left;">Paper map</th> <th style="text-align: left;">Digital map</th> <th style="text-align: left;">Aerial-photo</th> <th style="text-align: left;">(geology, land use, etc..)</th> <th></th> <th style="text-align: left;">Yes</th> <th style="text-align: left;">No</th> <th style="text-align: left;">(location, route, contact..)</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> </tbody> </table>							Type		Contents	Date of data adquisition	Scale	Any copy provided?		Comments on accessibility	Paper map	Digital map	Aerial-photo	(geology, land use, etc..)		Yes	No	(location, route, contact..)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
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<p><b>4. If there is any preliminary (before project implementation) assessment of the project area, please indicate:</b></p> <p><i>Date:</i></p> <p><i>Source:</i></p> <p><i>Contents:</i></p> <p><i>Accessibility:</i></p>																																																																														
<p><b>5. List articles and/or reports related to the project</b> (last name of the author (s), first name initial, date, title of the document, source, pages):</p>																																																																														
<p><b>6. Other information</b></p> <p><b>List other available data sources, internal reports, etc. related to the project:</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="text-align: left;">Date</th> <th style="text-align: left;">Contents</th> <th style="text-align: left;">Source</th> <th colspan="2" style="text-align: left;">Any copy provided?</th> <th style="text-align: left;">Accessibility</th> </tr> <tr> <th></th> <th></th> <th></th> <th style="text-align: left;">Yes</th> <th style="text-align: left;">No</th> <th></th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> <tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td></td></tr> </tbody> </table>							Date	Contents	Source	Any copy provided?		Accessibility				Yes	No					<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>																															
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**6. Location of project area within the catchment area:**

a) Location:  Upper watershed  Middle  Lower  River banks/riparian  Other (describe):

b) Project area (%) in relation to total catchment area:

c) Does the project area drain directly to a reservoir?  Yes  No

<b>II.3. GEOLOGY</b>			
<i>If maps are provided, please indicate in point I.2.3.</i>			
<b>1. Bedrock class</b>	<b>Type</b>	a) Present	b) % Surface
Igneous rock	Granite	<input type="checkbox"/>	
	Rhyolite	<input type="checkbox"/>	
	Pyroclastics	<input type="checkbox"/>	
	Gabbro	<input type="checkbox"/>	
	Basalt	<input type="checkbox"/>	
	Peridotite	<input type="checkbox"/>	
	Pyroxenite	<input type="checkbox"/>	
	Serpentine	<input type="checkbox"/>	
Metamorphic rock	Gneiss	<input type="checkbox"/>	
	Quartzite	<input type="checkbox"/>	
	Schist	<input type="checkbox"/>	
	Marble	<input type="checkbox"/>	
Sedimentary rock	Conglomerate	<input type="checkbox"/>	
	Sandstone	<input type="checkbox"/>	
	Siltstone	<input type="checkbox"/>	
	Shale	<input type="checkbox"/>	
	Limestone	<input type="checkbox"/>	
	Marl	<input type="checkbox"/>	
	Gypsum	<input type="checkbox"/>	
Unconsolidated	Fluvial, lacustrine, marine, colluvial	<input type="checkbox"/>	
Other		<input type="checkbox"/>	
<b>2. Degree of bedrock cracking or weathering:</b>			
<input type="checkbox"/> Absence of rock at less than 60 cm.		<input type="checkbox"/> Lightly fissured or altered rock	
<input type="checkbox"/> Soft or very fissured rock		<input type="checkbox"/> Non-fissured or hard rock	
<input type="checkbox"/> Relatively soft or moderately altered or fissured rock		<input type="checkbox"/> Presence of hard rock outcrops on the surface	
<b>II.4. SOILS</b>			
<i>If maps are provided, please indicate in point I.2.3.</i>			
<b>1. Soil description and types</b> (see Annex 1):			
<b>2. Texture:</b>	Dominant:	Range of textures:	
<b>3. Soil depth (cm):</b>	Average:	Range of soil depths:	
<b>4. Wate reserve(mm):</b>	Average:	Water reserve range (mm):	
<b>II.5. ECOLOGY</b>			
<b>1. Vegetation life zone</b> (see Annex 2):			
Cryo-Mediterranean	<input type="checkbox"/>	Montane-Mediterranean	<input type="checkbox"/>
Alti-Mediterranean	<input type="checkbox"/>	Supra-Mediterranean	<input type="checkbox"/>
Oro-Mediterranean	<input type="checkbox"/>	Meso-Mediterranean	<input type="checkbox"/>
		Thermo-Mediterranean	<input type="checkbox"/>
		Infra-Mediterranean	<input type="checkbox"/>
<b>2. Are there any paleoecological data available</b> ( <i>pollen records, charcoal fragments, tree ring analysis...</i> ) <b>on past ecosystems and/or disturbance regime?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, please describe:			
<b>3. Are there any areas considered as potential or reference ecosystem(s) for the restored area?</b>			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, please describe:			
If available, provide details on location (coordinates, UTM):			

<b>II.6. DEGRADATION IMPACTS AND DRIVERS</b>						
<b>1. Main degradation impacts</b> <i>(before the project)</i>	<input type="checkbox"/>	<b>% Project area affected</b>	<b>Impact severity</b>			<b>Additional comments on impacts</b>
			low	medium	high	
Deforestation	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Species loss	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exotic invaders	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pest and diseases	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil erosion	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flooding	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Landslides, debris flows	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil salinisation	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil toxicity, pollution	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wildfires	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Others (describe):	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Others (describe):	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>2. Degradation drivers</b>	<b>Period of activity</b> Please indicate decades (approx.). e.g. 1950s - 1980s, Only at present, etc.	<b>Still active today?</b>				<b>Main root causes</b> (poverty, political strife, increase or decrease of population density, mismanagement of land, etc.)
		Less intense	More intense	Equal intense	No	
Marginal agriculture		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overgrazing by wild animals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overgrazing by domestic animals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Over-exploitation of fuel-wood		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Over-exploitation of timber wood		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Land abandonment		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Urbanisation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pollutants		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Others (describe)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>3. Environmental risk/hazards in the project area</b>		<b>Year(s) of the last recorded events or periods</b> Example: 1975, 1960-65, 1940, 1915				
Prolonged drought periods	<input type="checkbox"/>					
Killing frost periods	<input type="checkbox"/>					
Frequent and/or severe wildfires	<input type="checkbox"/>					
Extreme rainfall events (major erosion event, flooding)	<input type="checkbox"/>					
Others (describe)	<input type="checkbox"/>					



### III. RESTORATION PROCESS

#### III.1. RESTORATION GOALS

1. What were the general project's defined objectives?:

2. Scope of the project:

- Restoration action/programme       Pilot restoration for policy makers and managers       Research       Educational       Other: .....

3. Structure goals:

a) Target biological communities/ecosystems to be restored:

b) Does this project target the protection or conservation of specific species?

- Yes     No

If yes, please list.

Species

c) Does this project try to Introduce or Eradicate a species as part of restoration or conservation efforts?     Yes     No

If yes, please list and place an "X" in each column to show whether the species is being **Introduced** or is targeted for **Eradication**.

Species

Want to Introduce

Want to eradicate

- 

- 

d) Other structural goals (e.g. promote understorey cover, encourage regeneration or growth, establish/increase forest mosaic, etc...):

4. Functional goals and expected ecosystem services:

- |   |  |   |   |
|---|--|---|---|
| <input type="checkbox"/> Productivity           | <input type="checkbox"/> Biodiversity conservation | <input type="checkbox"/> Fire control             | <input type="checkbox"/> Air quality          |
| <input type="checkbox"/> Agriculture production | <input type="checkbox"/> Riparian protection       | <input type="checkbox"/> Weed control             | <input type="checkbox"/> CO <sub>2</sub> sink |
| <input type="checkbox"/> Forestry production    | <input type="checkbox"/> Wildlife habitat          | <input type="checkbox"/> Seed source              | <input type="checkbox"/> Other:               |
| <input type="checkbox"/> Grazing/pasture lands  | <input type="checkbox"/> Erosion control           | <input type="checkbox"/> Water infiltration       |   |
| <input type="checkbox"/> Hunting                | <input type="checkbox"/> Flood control             | <input type="checkbox"/> Water filtration/quality |   |

5. Goals at landscape level:

- Increase connectivity     Increase landscape diversity     Increase forest surface     Rural planning  
 Other. Please, describe:

6. Which ecosystem goods were expected to be obtained/increased?

- Wood products  
 Non-timber forest products (e.g., edible mushrooms, aromatic plants, etc.). Please specify:  
 Animal products. Please specify:  
 Others. Please specify:

7. Was the enhancement of the recreational/tourist/cultural value of the area a specific goal?

- Yes     No     Unknown

If yes, please specify:

8. Was the creation of jobs a specific goal?     Yes     No     Unknown

If yes, please specify number and type (permanent/seasonal.):

#### III.2. PLANNING

1. Main stages provided for the control/reduction of degradation causes (passive restoration)? Please specify when and for how long were these stages to be carried out:

2. Main stages provided for the field work (active restoration)?. Please specify when and for how long were these stages to be carried out?:

3. Is the project related to any previous or parallel project?     Yes     No

If yes, please describe:

<b>4. Has a previous/parallel project been described in a different form?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please indicate project(s) code(s):							
<b>5. Does the forest have a management plan?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No What is the legal/policy framework?:							
<b>III.3. COST, FINANCING, AND PARTICIPANTS</b>							
<b>1. Project cost &amp; financing</b> a) Total cost of implementation (Euros): <span style="float: right;">Ref. Date:</span> b) Average annual cost for maintenance (Euros): <span style="float: right;">Ref. Date:</span> c) Sources of financing: d) Other relevant information:							
<b>2. International, national or regional programmes and/or plans related to the project:</b>							
<b>3. Agencies/groups involved in the project</b>							
	Private	Public	Public	Local	NGOs	Other	Name
<b>Role</b>	company	company	administ.	association			
Landowner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Design & planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Implementation (fieldwork)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Management (tech. direction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Economical exploitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>III.4. GENERAL TECHNICAL DESCRIPTION</b>							
<b>1. Structures and facilities</b> developed (if any) within the project. <b>Describe:</b> <input type="checkbox"/> Roads: <input type="checkbox"/> Fire protection ( fire breaks,...): <input type="checkbox"/> Livestock (enclosure, passageways, etc.): <input type="checkbox"/> Recreational facilities, for children, school groups, tourist, other: <input type="checkbox"/> Technical measures of erosion control (ditches, dams, etc.): <input type="checkbox"/> Special measures for electrical lines or gas transmission pipes: <input type="checkbox"/> Other infrastructure:							
<b>2. Has any traditional technology been applied?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No. If yes, please describe:							
<b>3. Has any innovative technology been applied?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No. If yes, please describe:							
<b>4. Are there any quality standards for the seedlings?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, please describe:							
<b>5. Are there quality standards for the work?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, please describe:							
<b>6. Are there defined success criteria for the project?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe:							
<b>III.5. MONITORING AND ASSESSMENT</b>							
<b>1. Was there any monitoring/assessment carried out since the beginning of the project?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, a) Which elements were taken into account?: <input type="checkbox"/> Technical <input type="checkbox"/> Ecological <input type="checkbox"/> Socio-economic b) At what intervals/period was the monitoring carried out? c) Describe briefly the methodology for monitoring:							
<b>2. Was any new field assessment carried out in order to complete this form?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, a) Which elements were taken into account?: <input type="checkbox"/> Technical <input type="checkbox"/> Ecological <input type="checkbox"/> Socio-economic b) Describe briefly the methodology applied:							
<b>III.6. ENVIRONMENTAL OR TECHNICAL UNITS</b> <i>(This item is related to the sections IV and V, including detailed information about each unit)</i>							
<b>1. Has the project different units?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No. If yes, Number of units: <i>(if available, provide maps with the perimeter of the units and indicate in section I.2.3.)</i>							

## IV. TECHNICAL DESCRIPTION BY RESTORATION UNITS

*If the project has spatial variation fill this section for each differentiated unit.*

### IV.1. UNIT DESCRIPTION

*(Don't fill out this entry if the project does not have different units)*

1. **Project acronym/code** (see I.1.1b):
2. **Unit number/code** (internal numerical code, related with the map indicate in I.2.3):
3. **Specific objective** (select from section III.1 and give details):
4. **Unit specificity due to :**  
 Environmental characteristics       Technology       Species used  
 Implementation period/stage       Previous land use       Intended/actual land use       Other:
5. **Surface extension, in relation to total project (%)**:
6. **Implementation period of this unit (dates)**:
7. **Any previous restoration actions applied to this unit?**  Yes  No. If yes, please describe:  
 Has the previous restoration action been described as a different unit?  
 Yes. Unit number/code:       No. Please explain the reasons:

### IV.2. SPECIFIC ENVIRONMENTAL CHARACTERISTICS

*(if the project does not have different units, refer to the whole project hereafter):*

1. **Microclimate**
2. **Geology:**
3. **General Topography:**  
 a) Elevation (m):      b) Slope (%):      c) Aspect:
4. **Soil description** (see Annex 1):
5. **Soil depth (cm):**
6. **Water reserve (mm):**
7. **Texture:**  
 Does texture become heavier down the profile?  Yes  No  
 If yes, Is this a gradual or abrupt change?
8. **Rock fragments (in brackets % rock-fragment cover):**  
 Bare to slightly stony (<20)  
 Stony (20-60)  
 Very stony (>60)
9. **Carbonates**  
 Non calcareous       Moderately calcareous  
 Slightly calcareous       Extremely calcareous
10. **pH**  
 Acid (<5.5)  
 Slightly acid (6.5-7.5)  
 Neutral (7.5-8.5)  
 Slightly basic (8.5-9.5)  
 Very basic (> 9.5)
11. **Nutritional status**  
 Good  
 Medium  
 Low  
 Limitant(s) nutrient(s). Describe:
12. **Compaction/cementation grade**  
 Strongly  
 Indurated  
 Moderately  
 Not cemented nor compacted  
 Surface compaction only
13. **Drainage**  
 Excessive     Somewhat excessive     Good drainage     Poorly drained     Permanent surface water layer
14. **Erosion (before the project):**  
 Erosion/accumulation type:      Erosion/accumulation intensity:
15. **Land use /cover type**  
 a) Previous land use:      b) Actual land use:  
 c) Previous plant formation:
16. **Main degradation impact** (select from section II.6 and give details):

### IV.3. PROMOTION OF AUTOGENIC RESTORATION: Yes No

1. **Describe management practices for existing vegetation to promote autogenic restoration / regeneration:**  
 Heavy pruning (coppice) to reinforce tree vigour  
 Selective pruning of branches  
 Removal of biomass around selected trees or seedlings  
 Thinning and selection among young seedlings and saplings  
 Dissemination and seeding of native species present but not regenerating rapidly  
 Other. Describe:

<b>2. Was protection of self-seeding natives undertaken?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe (fencing, individual sapling protection,...):					
<b>IV.4. PRIOR ACTION ON BRUSH VEGETATION:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>1. Describe application:</b>					
a) Date(s):	b) Species treated: <input type="checkbox"/> All <input type="checkbox"/> Selective Describe:	c) Area treated (total, strips,...):	d) Method:	d) Equipment:	e) Difficulties encountered:
<b>IV.5. SITE PREPARATION</b> <input type="checkbox"/> Yes <input type="checkbox"/> No, <b>Date(s):</b>					
<b>1. Describe application:</b>					
<b>2. Area affected</b> <input type="checkbox"/> Single points <input type="checkbox"/> Lines <input type="checkbox"/> Continuous <input type="checkbox"/> Other. Describe:		<b>3. Alteration of soil profile</b> <input type="checkbox"/> Not altered <input type="checkbox"/> Partly altered		<b>4. Type of operation</b> <input type="checkbox"/> Manual <input type="checkbox"/> Mechanical	<b>5. Cultivation depth</b> <input type="checkbox"/> Surface (<40 cm) <input type="checkbox"/> Medium (40-60 cm) <input type="checkbox"/> Deep (> 60 cm)
<b>6. Difficulties and limitations encountered were due to:</b> <input type="checkbox"/> Parent rock <input type="checkbox"/> Soil depth <input type="checkbox"/> High stone content <input type="checkbox"/> Steep slope <input type="checkbox"/> Weather <input type="checkbox"/> Tree density <input type="checkbox"/> Amount of shrub volume <input type="checkbox"/> Accessibility <input type="checkbox"/> Others, describe: <input type="checkbox"/> No difficulties encountered					
<b>7. Equipment</b> Describe:					
<b>IV.6. PLANTING &amp; SEEDING:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No, <b>Dates(s):</b>					
<b>1. Species used</b>		<b>2. Provenance</b>	<b>3. Area of application</b> (% of total)	<b>4. Type of distribution</b> a) in the whole area    b) in certain habitats    c) Describe:	
	Planted	Seeded		<input type="checkbox"/>	<input type="checkbox"/>
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<p><b>2. Pruning.</b> Describe, if any, in terms of:</p> <p>a) species:</p> <p>b) method:</p> <p>c) intensity:</p> <p>d) age of pruning:</p>	<p><b>3. Thinning.</b> Describe, if any, in terms of:</p> <p>a) species:</p> <p>b) method:</p> <p>c) intensity:</p> <p>d) age of thinning:</p>
<p><b>4. Was fertilizer used?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>a) If yes, what type:</p> <p>b) at what rate:</p> <p>c) when:</p>	
<p><b>5. Was the site irrigated?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>a) Was irrigation <input type="checkbox"/> regularly scheduled or <input type="checkbox"/> supplemental/as needed</p> <p>b) Frequency:</p> <p>c) When:</p> <p>d) Dosage:</p> <p>e) Method (drip, overhead sprinkler, hand, etc.):</p>	
<p><b>6. Were tree shelters used?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, what type:</p> <p>a) When?:</p> <p>b) For how long?</p>	
<p><b>7. Was weed control applied?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>a) If yes, what type:</p> <p>b) When:</p>	
<p><b>8. Parasite and pest control:</b></p> <p>Describe treatments (if any) for damages caused for abiotic factors, insects and/or diseases</p>	
<p><b>9. Grazing management</b> (Frequency: months/year; Grazing pressure: animals/ha; Stocking rate).</p> <p>Describe:</p>	
<p><b>10. Other maintenance/management activities:</b></p>	

## V. ASSESSMENT BY RESTORATION UNITS

**1. Project acronym/code** (see I.11b): \_\_\_\_\_ **2. Unit number/code** (see IV.1.2): \_\_\_\_\_

### V.1. PLANTATION/SEEDING RESULTS

*Please indicate the average or the most representative data for each variable (when applicable) & for each species*

**1. Reference (assessment) date:** \_\_\_\_\_

**2. Have the performance standards for the seeds/seedlings been attained?** (Only if there are quality standards)

Yes  No  Partly  Unknown

**3. Have the performance standards been attained for the work (site preparation, plantation,...)?**

Yes  No  Partly  Unknown

**4. Plant cover (%)** Total: \_\_\_\_\_ Tree species: \_\_\_\_\_ Shrub species: \_\_\_\_\_ Herbaceous species: \_\_\_\_\_

**5. Above-ground biomass (kg/ha)** Total: \_\_\_\_\_ Tree species: \_\_\_\_\_ Shrub species: \_\_\_\_\_ Herbaceous species: \_\_\_\_\_

6. Species used	by planting	by seeding	a. Survival (%)	b. Density (individuals/ha)	c. Cover (%)	d. Height (m)	e. Diameter at breast height (cm)	f. Basal diameter (cm) (only for young)	g. Wood volume (m <sup>3</sup> /ha)	h. Natural regeneration? (yes/no)	i. Average age (years)	j. Age distribution		
												Mixed – young	Mixed – old	Mono
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### V.2. STRUCTURE & BIODIVERSITY

**1. Stand/unit age:**  Old  Mature  Young

**2. Tree canopy structure:**  Multi-layered  Mono-layered  Absence of tree layer

**3. Understorey:**  Varied and multi-layered  Herbaceous layer and scatter woody plants  Absent  
 Other. Describe: \_\_\_\_\_

**4. Spatial distribution of trees:**  Regular  Slightly clumped  Patches and gaps

**5. How natural is the composition of tree species?**  Fully  Partly  Exotic

**6. How natural is the composition of other species?**  Fully  Partly  Exotic

**7. List the alien species present, if any:** \_\_\_\_\_

**8. Cover of sprouter species:** Total: \_\_\_\_\_ Tree species: \_\_\_\_\_ Shrub species: \_\_\_\_\_

<b>9. Biological inventories:</b>		
<i>Please list species inventoried and indicate number of species by taxa, if available</i>		
<b>Taxa</b>	<b>a) Before the project. Reference date:</b>	<b>b) After the project. Reference date:</b>
<b>Flora</b> (please indicate taxa: vascular plants, ferns, mosses)	<i>Inventory:</i>	<i>Inventory:</i>
	Dominant species:	Dominant species:
	Rare / Endangered / Threatened / Protected:	Rare / Endangered / Threatened / Protected:
	Total number of species inventoried:	Total number of species inventoried:
<b>Fauna</b> (please indicate taxa: mammals, birds, reptiles, invertebrates.. )	<i>Inventory:</i>	<i>Inventory:</i>
	Dominant species:	Dominant species:
	Rare / Endangered / Threatened / Protected:	Rare / Endangered / Threatened / Protected:
	Total number of species inventoried:	Total number of species inventoried:
<b>Others</b> (Please indicate taxa: fungi, lichens, algae, ..)	<i>Inventory:</i>	<i>Inventory:</i>
	Dominant species:	Dominant species:
	Rare / Endangered / Threatened / Protected:	Rare / Endangered / Threatened / Protected:
	Total number of species inventoried:	Total number of species inventoried:
<b>10. Absence of keystone or dominant species that would be expected:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, please list:		
<b>11. Are any functional groups (shrub layer, annual legumes, perennial grasses, etc.) missing or endangered?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, please list:		
<b>12. Presence of key species indicative of ecosystems at particular successional stage:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, please list:		
<b>13. Presence of key species indicative of integrity of food webs:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, please list:		
<b>14. Are there any genetic data available:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
If yes, please list:		
<b>V.3. FUNCTIONS &amp; PROCESSES</b>		
<b>1. Are there significant amounts of dead wood present in varying stages of decomposition?</b> <input type="checkbox"/> Snags <input type="checkbox"/> Down logs <input type="checkbox"/> Not significant		
<b>2. Average organic horizon thickness (cm):</b>		
<b>3. Soil surface conditions:</b>		
Bare soil (%):		
Degree of soil sealing/crusting: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		
Presence of significant patchy or continuous biological crust? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>4. Erosion/accumulation type</b>		<b>5. Erosion/accumulation intensity</b>
<input type="checkbox"/> None		<input type="checkbox"/> Nil
<input type="checkbox"/> Sheet erosion		<input type="checkbox"/> Slight
<input type="checkbox"/> Rill erosion		<input type="checkbox"/> Medium
<input type="checkbox"/> Gully erosion		<input type="checkbox"/> Moderate
<input type="checkbox"/> Badlands		<input type="checkbox"/> Severe
<input type="checkbox"/> Accumulation		<input type="checkbox"/> Extreme
<input type="checkbox"/> Wind erosion/deposition		
<input type="checkbox"/> Others (describe):		





## VI. PROJECT ASSESSMENT

### VI.1. LANDSCAPE & ENVIRONMENTAL ASSESSMENT

**1. Proportion of uses at regional scale (%)**

Agricultural                  Forestry                  Urban & Unproductive                  Others (        )

Please indicate the name of the reference region/province/county:

**2. Which ecosystems/habitats once occurred and now occur in the project area?**

*(Select the habitats most representative for each situation, and indicate the principal species)*

	a) Before the project (*see below)	b) % of project area	c) Main species	d) Present	e) % of project area	f) Main species
Mixed Mediterranean evergreen woodland forest.	<input type="checkbox"/>			<input type="checkbox"/>		
Mediterranean shrublands (macchia, matorral, garrigue, phrygana,...)	<input type="checkbox"/>			<input type="checkbox"/>		
Evergreen oak woodland	<input type="checkbox"/>			<input type="checkbox"/>		
Deciduous forest	<input type="checkbox"/>			<input type="checkbox"/>		
Pine forest	<input type="checkbox"/>			<input type="checkbox"/>		
Other conifer forest	<input type="checkbox"/>			<input type="checkbox"/>		
Savannah-type ecosystem (e.g., dehesa)	<input type="checkbox"/>			<input type="checkbox"/>		
Steppes	<input type="checkbox"/>			<input type="checkbox"/>		
Permanent grassland, prairie	<input type="checkbox"/>			<input type="checkbox"/>		
Annual grassland	<input type="checkbox"/>			<input type="checkbox"/>		
Riparian ecosystem	<input type="checkbox"/>			<input type="checkbox"/>		
Orchards, tree crops, etc.	<input type="checkbox"/>			<input type="checkbox"/>		
Annual winter crops	<input type="checkbox"/>			<input type="checkbox"/>		
Annual summer crops	<input type="checkbox"/>			<input type="checkbox"/>		
Bare land (fallows)	<input type="checkbox"/>			<input type="checkbox"/>		
Other (describe):	<input type="checkbox"/>			<input type="checkbox"/>		

\*Please indicate the reference date (e.g., at the time of project implementation; 25, 50, etc. years before project implementation; etc.):

- 3. In the project area, are there any abandoned agricultural terraces?**       Yes     No.    If yes:
- a) Date of abandonment of most of them –year(s) or decade(s):
- b) Are they narrow (limiting agricultural mechanisation)?       Yes     No
- c) What is their current degree of conservation?       Good     Medium     Poor
- d) Have they been repaired within the framework of the project?       Yes     No

- 4. Are there protected areas in the project area?**       Yes     No
- a) Describe relevant legislation (if any) related to species or habitat protection (add reference dates):
- b) Natura 2000 and other protected habitats:
- c) Are there protected ecological corridors ?       Yes (since, date:        )     No.
- d) Is there a protected area network ?       Yes (since, date:        )     No

<b>5. Landscape pattern:</b> <i>(Please, provide maps if possible and indicate it in section I.2.3.)</i>	Yes	No	Partly	Please, describe:
a) Is the project area connected to other similar ecosystem/habitat(s) in the surrounding area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b) Are project habitats fragmented into a number of patches?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c) Habitat patches within the project area are close enough to allow free interchange of species?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d) Is there a natural gradation between habitats within the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

e) Are project edges natural?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>6. Are there negative visual impacts?</b>	<b>Yes</b>	<b>No</b>	<b>Please, describe:</b>		
a) Resulting from project implementation (e.g., terracing or subsoiling impacts):	<input type="checkbox"/>	<input type="checkbox"/>			
b) Resulting from project maintenance works	<input type="checkbox"/>	<input type="checkbox"/>			
c) Resulting from exploitation works	<input type="checkbox"/>	<input type="checkbox"/>			
d) Resulting from other works	<input type="checkbox"/>	<input type="checkbox"/>			
<b>7. Flooding assessment at landscape/catchment scale</b>	<b>Before the project</b>		<b>Since project implementation</b>		
	Reference period:		Reference period:		
a) Flood frequency	<input type="checkbox"/> Nil <input type="checkbox"/> Once every 1-10 years <input type="checkbox"/> Once every 10-20 years <input type="checkbox"/> Once every 20-50 years <input type="checkbox"/> Once every > 50 years		<input type="checkbox"/> Nil <input type="checkbox"/> Once every 1-10 years <input type="checkbox"/> Once every 10-20 years <input type="checkbox"/> Once every 20-50 years <input type="checkbox"/> Once every > 50 years		
b) Date of last recorded flood event (year(s))					
c) Comments on damages from last recorded flood event					
<b>8. Erosion assessment at landscape/catchment scale</b>	<b>Before the project</b>		<b>Since project implementation</b>		
	Reference period:		Reference period:		
a) Erosion/sedimentation rate (Mg ha <sup>-1</sup> year <sup>-1</sup> )					
b) Method of assessment (USLE estimation, lake/reservoir/dam sedimentation, measurements at plot/catchment scale, etc.)					
<b>VI.2. SOCIO-ECONOMIC ASSESSMENT</b>					
<b>1. What types of exploitation were and are most frequent in the area:</b>					
Types of exploitation	a) Before the project (*see below)	b) % of project area	c) Actual	d) % of project area	e) Date of abandonment (year/s or decade/s)
Field agriculture	<input type="checkbox"/>		<input type="checkbox"/>		
Orchards (olive trees, etc.)	<input type="checkbox"/>		<input type="checkbox"/>		
Bee-keeping	<input type="checkbox"/>		<input type="checkbox"/>		
Pasture lands	<input type="checkbox"/>		<input type="checkbox"/>		
Planted forest-tree crops (e.g., cork, timber, pulp,...)	<input type="checkbox"/>		<input type="checkbox"/>		
Managed semi-natural forest or coppice	<input type="checkbox"/>		<input type="checkbox"/>		
Aromatic plants	<input type="checkbox"/>		<input type="checkbox"/>		
Edible mushrooms	<input type="checkbox"/>		<input type="checkbox"/>		
Urban: residential, tourist facilities, etc.	<input type="checkbox"/>		<input type="checkbox"/>		
Others:	<input type="checkbox"/>		<input type="checkbox"/>		
*Please indicate the reference date (e.g., at the time of project implementation; 25, 50, etc. years before project implementation; etc.):					

<b>2. Does significant grazing take place in the project area?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) Indicate <b>species</b> and <b>livestock population</b> (data on past, present and projections for future, if available)			
Type of livestock	Before the project Ref. Date:	At present	Projection for the future Ref. Date:
b) Comments on past, present and projections for future census and exploitation systems in the restoration area:			
<b>3. Are timber and other wood products exploited:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) Type of timber and other wood products (species)		b) Volume produced/year:	
c) Is timber and other wood products felled for use for local people? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			
<b>4. Are non-timber forest products collected?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes, please list:		b) What is their economic importance? (high/medium/low)	
c) Does hunting take place? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>5. Employment</b>			
a) Did project implementation works generate jobs for the local population? <input type="checkbox"/> Yes <input type="checkbox"/> No			
b) Does the restored area provide jobs at present? <input type="checkbox"/> No <input type="checkbox"/> Occasional <input type="checkbox"/> Permanent If yes, describe:			
c) Number (approximate) of people employed in the restored area ?      Occasional/year:      Permanent:			
<b>6. Homeland</b>			
a) Are people living in the restored area? <input type="checkbox"/> Yes <input type="checkbox"/> No			
b) If yes, indicate type of lifestyle:      Indigenous <input type="checkbox"/> Settled <input type="checkbox"/> Part-time/Second home			
c) Human population dynamics in the project area in the last 20 years: Type (increase/decrease):      Rate of change (low/medium/high):			
<b>7. Recreational and educational value</b>			
a) Uniqueness of particular sites within the restored area? <input type="checkbox"/> Yes <input type="checkbox"/> No. If yes, describe:			
b) Do people use the restored area for recreation? <input type="checkbox"/> Yes <input type="checkbox"/> No			
c) Average number of visitors/year ( <i>approximate value</i> )			
d) Presence of tourist or educational facilities ( <i>visitor centre, guide trails,...</i> ): <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please list number and types:			
e) Types of activity (walking, hunting,...)			
f) Is the area used in scientific work? <input type="checkbox"/> Yes <input type="checkbox"/> No. If yes, describe:			
<b>8. Cultural value</b>			
a) Does the project area have particular significance to local inhabitants? <input type="checkbox"/> Yes <input type="checkbox"/> No			
b) Are there important cultural or religious sites present in the project area?: <input type="checkbox"/> Yes <input type="checkbox"/> No ( <i>World Heritage sites, sacred groves, trees, burial sites, buildings, ..</i> )			
c) If yes, list sites, types, designations and indicate if they have official protection:			
d) Presence of culturally important landscapes: ( <i>land management, grazing system,...</i> ) <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe:			
e) Are there references in folklore, literature, etc. to the project area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
f) After the project implementation, were there any negative impacts to cultural sites/landscapes? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please explain briefly:			
g) Have the cultural sites/landscapes been protected in the framework of the project? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partly			

**9. Local participation**

a) In relation to the project, the local population has a position of?

Participation  Indifference  Opposition  Boycott

b) Are local people involved in decisions about the project area?  Yes  No

c) What is the nature of participation?

d) Has a questionnaire been prepared concerning local people's perception of the project (participatory approach)?

Yes  No  Unknown

Was it intended to make the population:

- more sensitive to risks (wildfires, floods, erosion, etc.)?  Yes  No  Unknown

- more aware of the advantages of ecological restoration?  Yes  No  Unknown

- other? (Please specify)

## VII. SUMMARY

### VII.1. ACHIEVEMENT OF PROJECT GOALS

**1. Have the defined success criteria (if any) been attained?** (see section III.4.6 and sections V & VI)

- Yes     No     There were not defined success criteria.  
 Only for some restored units. Describe:  
 Only for some criteria. Describe:

**2. Have the structural goal(s) been attained?** (see III.1.3 and V.1 & V.2)

- Yes     No     Partly     Only for some units. Describe:

**3. Have the functional goal(s) been attained?** (see III.1.4 and V.3)

- Yes     No     Partly    Describe:

**4. Have the landscape goal(s) been attained?** (see III.1.5 and VI.1)

- Yes     No     Partly    Describe:

**5. Have socio-economic goals been attained?** (see III.1.6-8 and VI.2)

- Yes     No     Partly    Describe:

**6. According to survival and growth of planted/seeded species, the plantation/seeding success was:**

(see V.1.4, V.1.5, V.1.6.a-g)

- Very high     High     Medium     Low     Very low

### VII.2. STRUCTURAL QUALITY

**1. How natural is the composition of the restored ecosystem(s)?** (see V.2.5, V.2.6 & V.2.7)

- Fully     Partly. Explain:  
 Depend on the restored unit. Explain:

**2. How natural/mature is the structure and pattern of the restored ecosystem(s)?**

(see V.2.1, V.2.2, V.2.3, V.2.4 & V.2.12)

- Fully     Partly. Explain:  
 Depend on the restored unit. Explain:

**3. Presence of important biodiversity** (according to species richness, and the presence of indicator, rare, endemic, endangered, protected species; see V.2.9, V.2.10, V.2.11, V.2.12 & V.2.13):

- Yes     Medium     No

**4. In the restored area, the project has:** (according to species richness, and the presence of indicator, rare, endemic, endangered, protected species; see V.2.9)

- increased biodiversity  
 decreased biodiversity  
 conserved biodiversity

### VII.3. FUNCTIONAL QUALITY

**1. Ecosystem dynamics:**

Does the restored ecosystem regenerate naturally? (see V.1.6.h,i,j & V.3.6):

- Yes     Not fully. Explain:

Do natural successional dynamics occur? (see V.3.6):

- Yes     No     Partly. Explain:

**2. Overall functioning:**

How are the soil characteristics? (see V.3.3, V.3.4 & V.3.5):

- Stable     Slightly degraded     Seriously degraded

How is the potential for nutrient cycling? (see V.3.1, V.3.2 & V.3.3):

- High     Medium     Low

How is the ecosystem productivity? (see V.1.6.g, i, V.3.10, VI.2.2, VI.2.3 & VI.2.4):

- High     Medium     Low

**3. How is the overall ecosystem health?** (see V.4)

- Good (No relevant pests, diseases, invasive species, or dead/damaged plants by abiotic factors.)  
 Medium (Some individuals affected; low severity level)  
 Poor (Relevant pests, diseases, invasive species, or dead/damaged plants by abiotic factors.)

What are the pollution levels?  High     Medium     Low

**4. The project significantly increases ...**

Resistance (e.g., to grazing, pests, fire, drought, *see II.6. and V.3.7 & V.3.8*):

Yes  No  Partly

Resilience (e.g., to fire, pests, drought, etc., *see II.6.2 and V.3.9 & V.4*):

Yes  No  Partly

Erosion control (*see II. 6.1 and IV.2.14, V.3.4, V.3.5 & VI.1.8*):

Yes  No  Partly

Flood control (*see II. 6.1 and VI.1.7*):

Yes  No  Partly

**VII.4. LANDSCAPE QUALITY**

**1. The project significantly increases:**

Forest surface (*see VI.1.2*):

Yes  No  Slightly

Connectivity among patches of formerly isolated populations (*see VI.1.4.c,d & VI.1.5*):

Yes  No  Slightly

Integration among forests and other habitats (*see VI.1.2 & VI.1.5d,e*):

Yes  No  Slightly

Habitat diversity (*see VI.1.2*):

Yes  No  Slightly

The protected surface (*see VI.1.4*):

Yes  No  Slightly

**2. Aesthetic value (*see VI.1.5, VI.1.6, VI.2.7 & VI.2.8*):**

Very high  High  Medium  Low

**VII.5. SOCIO-ECONOMIC BENEFITS**

**1. Cultural value (*see VI.1.3, VI.2.7 & VI.2.8*):**

Does the project area have particular cultural significance to local inhabitants?  Yes  No

The project has  increased,  decreased,  preserved,  created,  damaged the cultural value of the site

Degree of local participation (*see VI.2.9*):

High  Medium  Low

**2. Has the project generated ecosystem goods for the local population? (*see VI.2.1, VI.2.2, VI. 2.3 & VI.2.4*):**

Yes  No

Amount of timber and non-timber goods provided :  Very high  High  Medium  Low

**3. Has the project enhanced ecosystem services? (*see III.1.4 and V.3, VI.1.7 & VI.1.8*):**

Yes  No

Describe:

**4. Does the project contribute to fix/support/increase rural population by increasing tourist and recreational value, by direct employment, or by providing homeland? (*See VI.2.5, VI.2.6, VI.2.7*):**

Yes  No  Slightly

## VIII. EXPERT JUDGEMENT

**1. Expert contact** (person who fills the expert judgement):

**Expert Contact same as Project Contact?**  Yes  No

**Expert Contact same as Data Contact?**  Yes  No

**If expert contact is different from Data and Project contact, please indicate:**

Last Name:

First Name:

Organisation:

Job Title:

Street Address:

City:

State:

Postal code:

Phone:

Fax number:

Email:

Web page Address:

Relationship with the project:

Design , Implementation , Management of project area , Research , Other (describe):

**2. According to site conditions and degradation impacts, were the objectives appropriate and well-chosen?**

Yes  No

*Explain briefly:*

**3. According to site conditions and degradation impacts, were the methods (site preparation, species selection, prior actions,...) appropriate and well-chosen?**

Yes  No

*Explain briefly:*

**4. Do ecological health and integrity appear to be improved, enhanced?**  Yes  No

*Explain briefly:*

**5. Does the general ecological trajectory appear dynamic?**  Yes  No

*Explain briefly:*

**6. Any signs of threshold crossings?**  Yes  No

*Explain briefly:*

**7. Consequences of the restoration project on the soil (physical properties, biological activities, functions,...):**

(e.g., soil surface conditions, nitrogen use efficiency, maximum available soil water reserve, cation exchange capacity, soil organic matter (%), soil-borne seed bank, aboveground biomass, microbial biomass, etc.)

**8. Consequences on ecosystem structure, including forest cover, horizontal layers, etc. :**

(e.g., spatial configuration, fragmentation, corridors, total plant cover, number of plant and animal species, etc.)

**9. Consequences on ecosystem functions : productivity, dissemination, etc. :**

(e.g., water, energy, nutrient cycling; productivity (timber, non-timber products); symbiotic fungal or bacterial relationships with trees; wild animal populations; predator-prey relations among wild animals; etc.)

**10. Actions needed and next monitoring actions to be considered.** Please explain in your own words and indicate your recommendations, e.g., for:

a) Research/Development

b) Demonstration, communication and education

c) Public policy

d) Other



**ANNEX 1: Description of the main Mediterranean soils (Source: Plan Bleu Paper, n°2, 2003. Threats to soils in Mediterranean countries. Document review. p 13.)**

Name (Different classifications)	Description
<p><b>Fluvisols</b> – FAO, 1988                      Fluvents – Soil Taxonomy, 1975                      Little evolved, non-climatic soils of alluvial contents, - CPCS, 1967</p>	<p>Young alluvial soils, the region’s most fertile; rich in alkaline compounds or slightly calcareous. In flat area around main rivers.</p>
<p><b>Regosols</b> – FAO, 1988                      Orthents - Soil Taxonomy, 1975                      Little evolved, non-climatic soils of alluvial or marine content, - CPCS, 1967</p>	<p>Young soils appearing on soft or unconsolidated terrain, often sloping; not very evolved or constantly rejuvenated by erosion. The topography and the water stress are their main limitations.</p>
<p><b>Leptosols</b>– FAO, 1988                      Orthens - Soil Taxonomy, 1975                      Raw mineral soils, - CPCS, 1967</p>	<p>Very shallow soils, generally appearing on hard rock, sloping or very sloping terrains. Very sensitive to erosion.</p>
<p><b>Rendzic leptosols</b> - FAO, 1988                      Xerosols - Soil Taxonomy, 1975                      Rendzines, - CPCS, 1967</p>	<p>Soils always on limestone parent rock, rich in humus, often shallow with high rates of gravel; often present on uneven terrain.</p>
<p><b>Vertisols</b> – FAO, 1988</p>	<p>Often deep and homogenous soils, characterised by high clay content.</p>
<p><b>Chromic luvisols</b> – FAO, 1988                      Rhodoxeralfs - Soil Taxonomy, 1975                      Red Mediterranean soils, - CPCS, 1967</p>	<p>Generally leached soils but rich in alkaline compounds; developed on various matter. The best-known are the terra rossa developed on hard limestone.</p>
<p><b>Calcisols</b> – FAO, 1988                      Eurochrepts - Soil Taxonomy, 1975</p>	<p>Soils often with a significant accumulation of calcium carbonate at their base; present in the driest of the Mediterranean climates.</p>

ANNEX 2

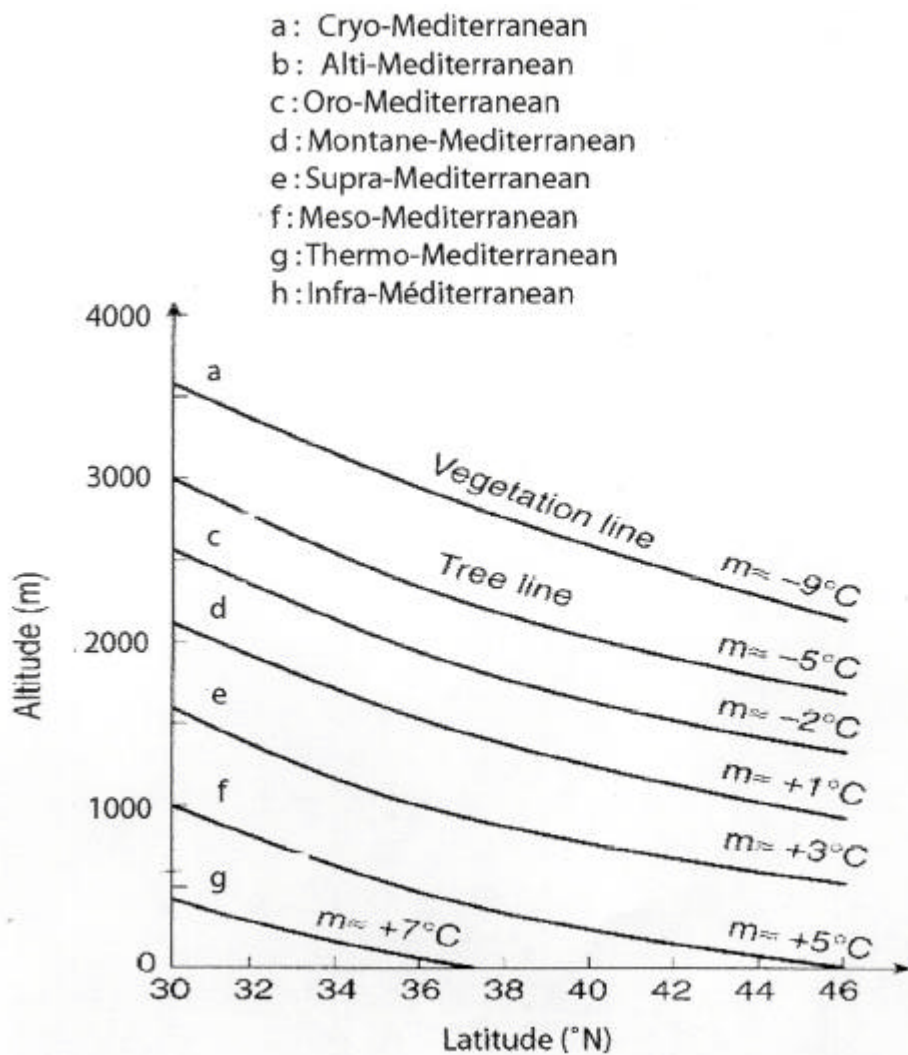


Figure: Altitudinal/latitudinal gradients showing the zonation of the various vegetation belts, or life zones, in the western Mediterranean area ; m = average of the minima of the coldest month (After Le Houérou 1990 in Blondel and Aronson, 1995, 1999).