

1 **APPENDIX 1**

2 **Table A1.1: Surface area (in ha and %) of the different landscape units on the Pays de la Meije (land**
3 **cover GIS analysis)**

Landscape units	Surface (ha)	Land cover (%)
Rocks	9192	46%
Summer Pastures	5355	27%
Grazed Terraces	1721	9%
Ice and snow	1602	8%
Larch Meadows	670	<3%
Shrublands	651	<3%
Hay Meadows	536	<3%
Forests	321	<2%
Waterbodies	15	<1%
Croplands	4	<1%
Built up	2	<1%

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5 **Table A1.2: Stakeholders description and participation**

N ^o	Categories	Gender	Age	Scale of action	Local workshop	Regional Workshop	Interviews	Validation workshop
1	Regional experts (Agriculture)	M	30-40	Regional		X		
2	Representatives of local and regional institutions	M	40-50	Departmental			X	
3	Representatives of nature conservation organizations	M	60-70	Regional			X	
4	Representatives of nature conservation organizations	M	40-50	Departmental		X		
5	Tourism professionals	M	60-70	Local	X			
6	Regional experts (Tourism)	M	50-60	Regional		X		
7	Representatives of regional institutions	F	50-60	Departmental		X		
8	Representatives of nature conservation organizations	M	40-50	local				X
9	Second home's owner	M	40-50	Local	X			X
10	Farmers and other agricultural stakeholders	F	40-50	Regional			X	
11	Regional experts (Risks)	M	30-40	Regional		X		
12	Staff of residential services	F	60-70	Local	X			X
13	Local elected representatives	M	60-70				X	
14	Tourism professionals	F	60-70	Local	X			
15	Staff of residential services	F	30-40	Local	X			
16	Local elected representatives & Tourism professionals	M	60-70	Local		X		
17	Tourism professionals	F	40-50	Local				X
18	Tourism professionals	M&F	40-50	Local			X	
19	Tourism professionals	M	40-50	Local	X			
20	Tourism professionals	F	40-50	Local			X	
21	Local elected representatives & Tourism professionals	M	40-50	Local		X		
22	Representatives of regional institutions	M	50-60	Regional		X		
23	Tourism professionals	M	30-40	Local			X	
24	Student/Inhabitant	M	10-20	Local			X	
25	Tourism professionals	M	40-50	Departmental		X		
26	Regional experts (Climate)	M	30-40	Regional		X		
27	Tourism professionals	F	40-50	Local	X			X
28	Representatives of local and regional institutions	F	30-40	Local			X	
29	Representatives of nature conservation organizations	F	50-60	Departmental			X	
30	Tourism professionals	M	40-50	Local	X			X
31	Student/Inhabitant	F	10-20	Local			X	
32	Student/Inhabitant	M	10-20	Local			X	
33	Tourism professionals	M	20-30	Local				X
34	Farmers and other agricultural stakeholders	M	40-50	Regional		X		
35	Tourism professionals	F	30-40	Local	X			
Total number of participants					9	11	12	7

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9 **Table A1.3 : Description of all nature contribution to people perceived by stakeholders**

NCP category perceived by stakeholders	Landscape attractiveness	Habitability	Rurality maintenance
<i>3. Regulation of air quality</i>	Pure air/ depollution	Pure air/ depollution	not cited
<i>6. Regulation of freshwater quantity</i>	Recreational activities on lake, rivers and psychological link to water	Hydropower psychological link to water and recreational activities (lake and river)	Drinking (animals)
<i>7. Regulation of freshwater quality</i>	Leisure/recreational activities	Drinking	not cited
<i>8. Formation/ protection of soil</i>	not cited	not cited	caused by/ manage
<i>9. Regulation of hazard and extreme events</i>	Floods, rock fall, avalanches, landslides	Floods, rock fall, avalanches, landslides	
<i>12. Food and feed</i>	Dairy products, honey, local production	Dairy products, honey, local production	Production of food from domestic animals Production of feed for animals Production of plants, dairy products, honey... gardening production
<i>14. Medicinal resources</i>	not cited	Wild plants and trees	not cited
<i>15. Learning and inspiration</i>	Education, information, inspiration, self-development	Education, information, inspiration, self-development	
<i>16. Physical and psychological experiences</i>	Healing, relaxation, recreation, leisure, tourism, aesthetic enjoyment	Healing, relaxation, recreation, leisure, aesthetic enjoyment	not cited
<i>17. Supporting identities</i>	Religious, spiritual Sense of place (linked to heritage, mountain culture) Local products (dish)	Religious, spiritual and social cohesion Sense of place, belonging (linked to heritage, mountain culture) Local products (dish)	Social cohesion Sense of place, belonging (linked to heritage, mountain culture) Local products (dish)

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12 **Table A1.4 : Human-derived capital involved in nature's contribution to people (MC: Manufactured**
 13 **capital; FC: Financial capital; HC: Human capital; SC: Social capital)**

NCP	QOL	Nature	Arrow 3: Direct drivers → Nature Co-production type 1 (ecosystem and landscape management)	Arrow 4: Nature → NCP Co-production type 2 (mobilization, harvesting, physical access)	Arrow 8: NCP → Quality of life Co-production type 3 (appropriation, social access, appreciation)
Fodder production (Feed)	R	Agricultural lands	What: Farming practices Anthropogenic assets MC: Farm infrastructures, tools and machines, fertilizer, tracks FC: Subsidies from CAP influencing practices (ICNH, MAE) HC: Full or part time labour, knowledge on terraced farming, motivation to maintain traditional practices Institution & governance SC: Local network and organisation, support from institution (Chamber of Agriculture, PNE, AFP), land tenures and allocation Indirect SC: Policies influencing practices (CAP)	What: Mowing and grazing Anthropogenic assets MC: Tools and machines, animals, tracks FC: Subsidies from CAP influencing practices (ICNH, MAE), supply chain for livestock/transhumance HC: Full or part time labour, knowledge on terraced farming and grazing, motivation to maintain traditional practices Institution & governance SC: Local organisation, Policies influencing practices (CAP), Local support (Chamber of Agriculture, National Park, AFP)	What: Trading livestock (selling) Anthropogenic assets MC: Selling infrastructures (vehicles) FC: Supply chain and market (network) HC: Knowledge on market and sales Institution & governance SC: Local and regional market organisation and networks
	H		None	None	None
	A		None	None	None
Food production	R	Agricultural lands	Cropping practices Anthropogenic assets MC: Farm infrastructures, tools and machines, fertilizer, seeds FC: Subsidies from CAP influencing practices (ICNH, MAE) Institution & governance SC: Local support (Chamber of Agriculture, PNE, AFP), land properties and allocation Indirect SC: Policies influencing practices (CAP)	Grazing, transhumance, vegetable harvesting Anthropogenic assets MC: livestock FC: Subsidies from CAP influencing practices (ICNH, MAE), HC: Knowledge about grazing, herding. Workforce Institution & governance SC: Local organisation, Policies influencing practices (CAP), Local support (Chamber of Agriculture, PNE, AFP), supply chain for livestock and transhumance, Local market	Trading agricultural products (transforming and selling) Anthropogenic assets MC: Selling and transformation infrastructures FC: Supply chain and market (network) HC: Knowledge on product transformation, packaging, communication and sales Institution & governance SC: Local markets organisation and networks
	H		None	None	What: Consume products (by local people and visitors) Anthropogenic assets: MC: Infrastructure (market) FC: Equity in payment options HC: Knowledge, values and preferences for local products
	A		None	None	Institution and governance: SC: Supply chain for products, information, consumption patterns

Aesthetic enjoyment	R	Landscape	What: Maintenance of terraced landscape (see Fodder production for terraced landscape)	None	None
	H		What: Nature conservation Anthropogenic assets MC: None FC: Subsidies, Park funding, N2000 funding HC: Knowledge and skills on nature conservation, Motivation to preserve natural areas Institution & governance SC: Conservation policies (N2000, National Park, Natural reserve), Park rules and strategy. What: Landscape planning Anthropogenic assets MC: Tools and machines FC: Public and private investments HC: Motivation to maintain preserved landscape, local values Institution & Governance SC: Planning policies and strategies, land properties	What: Access to landscape Anthropogenic assets MC: Roads and tracks to natural landscape, signage FC: None HC: Information Institution & governance SC: Access right, land properties	What: Enjoying natural landscape for scenic beauty Anthropogenic assets MC: None FC: None HC: Values and preferences Institution & governance SC: None
	A		None		
Nature experiences (physical and psychological+ Learning& inspiration)	R	Landscape	None	None	None
	H		What: Preserving nature and landscape planning (see below in aesthetic enjoyment) SC: Partly manage for tourism activities	What: Access to landscape Anthropogenic assets MC: Roads and tracks to natural landscape, signage FC: None HC: Information Institution & governance SC: Access right, land properties, hunting rules	What: Enjoying experience in nature Anthropogenic assets MC: Equipment FC: None HC: Values and preferences, knowledge on recreational practices and natural elements Institution & governance SC: None
	A				
Sense of place (supporting identity)	R	Landscape	What: Maintenance of terraced landscape (see Fodder production)	None	What: Create and enjoy local identity Anthropogenic assets MC: None FC: None HC: Values and preferences, legacy Institution & governance SC: None
	H		What: Landscape planning (see below)	None	
	A		None	None	None
Regulation of hazards and extreme events	R	Forest	What: Risk management with protection forest (RTM) Anthropogenic assets MC: Roads and tracks to dedicated areas, tools and machines, seeds and plants FC: Public subsidies HC: Knowledge and skills of forester, labor	None	None
	H		FC: Public subsidies HC: Knowledge and skills of forester, labor	None	None

	A		Institution & governance SC: Forest and risk national institution, access right, land properties	None	None
Regulation of freshwater	R		Not intentional	What: Drinking for animals Anthropogenic assets MC: Pipe and tools FC: Equity of farmer HC: Knowledge and skills Institution & governance SC: Rules on water withdrawal, allocation and consumption	None
	H		None	None	None
	A		None	None	None
Regulation of air quality	R	Landscape	None	None	None
	H		None	None	None
	A		None	None	None
Soil maintenance	R		Not intentional	None	None
	H		None	None	None
	A		None	None	None

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