Tomioka Silk Mill and Related Sites

1. World Heritage Property Data

1.1 - Name of World Heritage property

Tomioka Silk Mill and Related Sites

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Tomioka Silk Mill	36.255 / 138.888	5.5	151.1	156.6	2014
Tajima Yahei Sericulture Farm	36.247 / 139.239	0.4	60.8	61.2	2014
Takayama-sha Sericulture School	36.203 / 139.032	0.8	54.1	54.9	2014
Arafune Cold Storage	36.247 / 138.635	0.5	148.6	149.1	2014
Total (ha)		7.2	414.6	421.8	
.4 - Map(s)					
Title				Date	Link to source

Tomioka Silk Mill and Related Sites - map of inscribed property 2014

1.5 - Web and Social Media data of the property (if applicable)

1. https://worldberitage.pref.gunma.jr

 Other Conventions/Programmes under which the World Heritage property is protected (if applicable)
 1.4 Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) is designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <u>is not</u> designated and/or protected under this convention/programme
2.1.1	International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.2	List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))		×
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme		×
2.1.5	Global Geoparks Network UNESCO Global Geoparks		×

2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict for the World Heritage property in the next three years? Not applicable

2.4 - Do your national authorities intend to designate whole or part of the World Heritage property for inclusion in the List of Wetlands of International Importance (The Ramsar List), if relevant, in the next three years? Not anolicative

Not applicable

2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years? No

2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years? No

2.7 - Please indicate the level of cooperation at property level between designations under different Conventions/Programmes

2.7.1 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict

- 2.7.1 There is **no contact** with the Focal Point(s) of this designation/programme.
- 2.7.2 The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.
- 2.7.3 The World Heritage Site Manager **regularly** communicates with the Focal Point(s) of this designation/programme.
- 2.7.4 The World Heritage Site Manager also manages this designation/programme.

2.7.2	Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.3	Convention on Wetlands of International Importance (Ramsar Convention)	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.4	Man and the Biosphere (MAB) Programme	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.5	UNESCO Global Geoparks	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
	ase add any further comments on cooperation with the other ion(s)/programme(s)	
	you aware of any elements associated with the World Heritage property that have t d on the Representative List of the Intangible Cultural Heritage?	een

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware Sericulture and slik craftsmanship of China (Cohina, 2009) Yuki-tsumugi, slik fabric production technique (Japan, 2010) Traditional skills, techniques and knowledge for the conservation and transmission of wooden architecture in Japan (Japan, 2020)

2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?

Not aware

2. d

2

2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you aware.

3. Statement of Outstanding Universal Value

3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee

Statement of Outstanding Universal Value

Brief synthesis

The Tomioka Silk Mill dates from the early Meiji period. With its related sites including two sericulture The Tomicka Silk Mill dates from the early Meiji period. With its related sites including two sericulture schools and an egg storage site, it illustrates the desire of Japan, a traditional silk producer, to rapidly access the best mass production techniques. The Japanese government imported French machinery and industrial expertise to create an integrated system in Gurma Prefecture. It included egg production, silkwomf aming and the construction of a large mechanised raw silk rening and splining plant. In turn, the Tomicka model complex and its related sites became a decisive component in the renewal of sericulture and the Japanese silk industry, in the last quarter of the 19th century, and a key element in Japan's entry into the modern industrialised world.

Criterion (ii): The Tomioka mill illustrates the early and entirely successful transfer of French industrial Sencentry (a). The contrast minimization and early and being and based on the sence of reference of the sence culture of sericulture.

Criterion (iv): Tomicka and its related sites form an outstanding example of an integrated ensemble for the mass production of raw silk. The extent of the plant, from its initial design, and the deliberate adoption of the best Western techniques illustrate a decisive period for the spread of Industrial methods to Japan and the Far East. Its large, late 19th century buildings provide an eminent example of the emergence of a style of industrial architecture specific to Japan, combining foreign and local elements. Integrity

The integrity of the serial property's composition is good, illustrating the idea of a productive complex for an intermediate textile product: raw silk. The structural and functional integrity of each of the components is more uneven and at times difficult for the visitor to understand, notably the Takayama-sha sericulture school and Arafune cold storage. The landscape integrity, as it relates to the buffer zones, requires particular attention.

Authenticity

The authenticity of the components presented is generally satisfactory in terms of its various dimensions of structure, form and materials. The perceived authenticity is remarkable at the Tomioka mill, which has retained its complete texile machinery. The restoration activities at the Aratiune site must remain within a strictly controlled framework in terms of its authenticity, which must remain archaeological in nature.

Protection and management requirements

Each of the four sites comprising the serial property is protected by Japan's Law for the Protection of Cultural Properties. The main buildings are also protected as cultural properties of national importance. Under the application of this law, each of the sites is covered by a conservation and management plan already in place under the aegis of the cities and municipalities, including in the case of the privately arready in place under the algos to the cases and municipalities, including in the case of the privately owned Tajima Yahei (S2). Continuing this protection) policy, the buffer zones correspond with a desire to control the urban and natural environments using measures that are, in theory, stringent. The management system relies on the competent services of the municipalities, the Commission for Cultural Affairs of the Guma Perfecture and a series of scientific institutions involved in the regional silik heritage, and volunteer associations. The Coordination Committee, established in spring 2012, is an overarching body responsible for coordinating the actual operation.

3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

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4.6.4 - Water (extraction)

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4.6.5 - Please of the property ei				ne factors s	elected as rele	vant in 4.	6 are affectin
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4.7. Local condi 4.7.1 - Wind	nions arrecu	ng physical i	abric				
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 Positive 							
• Negative ×		×		×		-	
4.7.2 - Relative	humidity						
× Relevant				Not releva	nt		
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4.7.3 - Tempera	ature						
× Relevant				Not releva	nt		
	_		_				
	Impact		Origin		Trend of impa	act	
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Negative ×		×		×		-	
4.7.4 - Radiatio	n/Light						
× Relevant				Not releva	nt		
_							
	Impact		Origin		Trend of imp	act	
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• Negative ×		×		×		-	
4.7.5 - Dust							
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Negative ×		×		×		-	
.10.4 - Desert	ification						
Relevant			× N	lot relevant			
.10.5 - Chang	es to ocear	ic waters					
Relevant			× N	lot relevant			
.10.6 - Tempe	rature char	nge					
× Relevant				Not releva	nt		
	Impact	4	Origin	đ	Trend of imp	-	1
Positive	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
		×		×			
Negative ×							
.10.7 - Other o	climate cha	nge impacts					
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	errent	9 Potential	Inside	outside	Decreasing	Stable	Increasing
o Positive							
Negative ×		×		×		4	
					selected as rel	evant in 4	.10 are
fecting the p 10.1/ Portions					age with the ap	proach of	Typhoon
agibis (Typho	on No. 19 of	October 201	9); howe	ver, appropri	ate restorations	were mad	le.
11. Sudden e 11.1 - Volcan			rents				
	ic eruption			Maturia			
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	errent		Inside	outside	Decreasing	Stable	Increasing
 Positive 							
• Negative ×		×		×		-	
11.2 - Earthq	uake						
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	4	-1		đ	· · · ·	-	<i>.</i> .
 Positive 	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Negative ×		×		×		-	
11.3 - Tsunar	ni/Tidal wa						
Relevant	in ridar ira			lot relevant			
.11.4 - Avalan		1.4.	~ 1	OUTBIEVAIL			
	cne/Lands	ide					
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	Current	- [,] Potential	° Inside	outside	Decreasing	Stable	Increasing
 Positive 							
Negative ×	×		×	×			
.11.5 - Erosio	n and siltat	ion/Depositi	on				
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	4 Current		Inside	outside	Decreasing	Stable	Increasing
o Positive	Current	rotentiar	113100	Outside	Decreasing	otable	mereasing
Negative ×	×		×	×		-	
- 11.6 - Fire (w	ildfire)						
× Relevant				Not releva	nt		
	_						
	Impact		Origin		Trend of imp	act	
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
 Positive 							
Negative ×		×	×	×		- 7	
11.7 - Please fecting the p					selected as rel	evant in 4	l.11 are
11.2/4.11.4/ V	Ve conduct	fixed-point ob	servation	s of stonewo	ork movements a		
					ent time, the obs gile river terrace		
					ollapses on the works each yea		
12. Invasive/a							
12.1 - Transle							
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
Impact	a	9		đ	<u>`</u>	-	,
Positive	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
		×	×	×		-	
Negative ×		^	^	^			
12.2 - Invasiv	e/Alien ter	restrial spec	ies				
× Relevant				Not releva	nt		
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Impact	4	-1 Potential		d Quitelide	N. Contraction		Increasin
Impact	Impact ⁴ Current	-₁ Potential	Origin Inside	Outside	Trend of imp Decreasing	act Stable	Increasing

• Negative »		×	×	×		-	
4.12.3 - Invasi	ve/Alien fre	shwater spe	cies				
× Relevant				Not releva	nt		
A HOIOTAIN				10010.010			
	Impact		Origin		Trend of imp	act	
Impact	erent		Inside	outside	Decreasing	Stable	Increasing
 Positive 							
Negative >		×		×		-	
4.12.4 - Invasi	ve/Alien ma	arine species	5				
Relevant		•		lot relevant			
			~	orroiorant			
4.12.5 - Hyper	-abundant :	species					
× Relevant				Not releva	nt		
	Impact		Origin		Trend of imp	act	
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 Positive 	Current	Fotential	Inside	Outside	Decreasing	Stable	increasing
Negative ×		×		×			
4.12.6 - Modif	ied genetic	material					
Relevant			×N	lot relevant			
					selected as rel	levant in 4	1.12 are
affecting the				tively			
4.13. Manager 4.13.1 - Manag							
	gement by b	territinanage	mont plan	Not releva			
× Relevant				NOT releva	nt		
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• Positive ×	×		×	×		-	5
Negative							
4.13.2 - Legal	framowork						
	maniework						
× Relevant				Not releva	nt		
	Impact		Origin		Trend of impa	act	
Impact		Potential	o Inside	outside	Decreasing	Stable	Increasing
• Positive ×	×	r otomiai	×	×	beenedding	-	morecomy
Negative							
4.13.3 - Gover							
	nance						
× Relevant				Not releva	nt		
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Impact	Impact Current ×	प Potential	origin Inside	oontside ×	Trend of impa	Stable	, Increasing
o Positive ×	a	भ Potential	<i>a</i>	[.] Outside ×	× .	-	/ Increasing
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4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively 4.14. Other factor(s) 4.14.1 - Other factor(s) 4.15. Factors Summary Table 4.15.1 - Factors Summary Table Impact Origin Trend Name 4.1 Buildings and Development 4.1.1 Housing 4.1.2 Commercial development • • • 4.1.3 Industrial areas 4.1.4 Major visitor accommodation and associated 4.1.5 Interpretative and visitation facilities 4.2 Transportation Infrastructure 4.2.1 Ground transport infrastructure • • • • 4.2.5 Effects arising from use of transportation infrastructure • • • • 4.3 Services Infrastructures 4.3.1 Water infrastructure • • • 4.3.2 Renewable energy facilities 4.3.3 Non-renewable energy facilities • 4 5 -4.3.4 Localised utilities • • • • • • 4.3.5 Major linear utilities 4.4 Pollution 4.4.2 Ground water pollution 4.4.3 Surface water pollution • • • • • 4.4.4 Air pollution • • • • • 4.4.5 Solid waste 4.4.6 Input of excess energy • • • • • 4.5 Biological resource use/modification 4.5.3 Land conversion 4.5.4 Livestock farming/Grazing of domesticated animals • • • • 4.5.5 Crop production • • • 4.5.10 Forestry/Wood production e e a s 4.6 Physical resource extraction 4.6.2 Quarrying 4.6.4 Water (extraction) • • • • 4.7 Local conditions affecting physical fabric 4.7.1 Wind • • • • 4.7.2 Relative humidity • • • • 4.7.3 Temperature

4.7.4 Radiation/Light

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4.7.5 Dust						
· · · · · · · · · · · · · · · · · · ·	•		4		*	-
4.7.6 Water (rain/water table)	•		4		a	
4.7.7 Pests			4		a	
4.7.8 Micro-organisms						
4.8 Social/Cultural uses of heritage	•		*		*	-
4.8.1 Ritual/Spiritual/Religious and associative uses	•	4			a.	
4.8.2 Society's valuing of heritage	•	q		0	a	
4.8.4 Changes in traditional ways of life and knowledge system	•	*	4		a a	-
4.8.5 Identity, social cohesion, changes in local population and community	•	a.		•	a	
4.8.6 Impacts of tourism/Visitation/Recreation	•	a.	*	•	a a	-
	•		4	8	a.	
4.9 Other human activities 4.9.1 Illegal activities						
	•		4	0	8	
4.9.2 Deliberate destruction of heritage	•		4	0	a	
4.10 Climate change and severe weather events						
4.10.1 Storms	•	4			a	
4.10.2 Flooding			4			-
4.10.3 Drought						
4.10.6 Temperature change	•		4		đ	
4. Io.o Temperature Change	•		4		a	
4.10.7 Other climate change impacts						
	•		4		•	-
4.11 Sudden ecological or geological events	•		*			-
4.11 Sudden ecological or geological events 4.11.1 Volcanic eruption	•		4		,	•
	•		*		*	-
4.11.1 Volcanic eruption	•		4		•	
4.11.1 Volcanic eruption 4.11.2 Earthquake 4.11.4 Avalanche/Landslide			4		2 2 2	
4.11.1 Volcanic eruption 4.11.2 Earthquake			4		2 2 2 2	
4.11.1 Volcanic eruption 4.11.2 Earthquake 4.11.4 Avalanche/Landslide			4		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
4.11.1 Volcanic eruption 4.11.2 Earthquake 4.11.4 Avalanche/Landslide 4.11.5 Erosion and siltation/Deposition			4		2 2 2 2 2 2 2	
4.11.1 Volcanic eruption 4.11.2 Earthquake 4.11.4 Avalanche/Landslide 4.11.5 Erosion and siltation/Deposition 4.11.6 Fire (wildfire)			4		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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4.13.8 Hig	h impact res	earch/monitori	ng activities		•	*	4	*	,	-
Legend	⁴ Current	^q Potential	^o Negative	^o Positi	ve	•	Inside		° Out	tside

4.16. Assessment of current and potential positive and negative factors 4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name		Impact	Origin	Trend
4.1.1 H	ousing			×
Spatial	scale - Area affected by the factor			
×	Restricted			
^	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
v	One off or rare			
×	Intermittent or sporadic			
	Frequent			
	On-going .			
Impact	- Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend -	Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
			_	
Name	ommercial development	Impact	Origin	Trend
Spatial ×	scale - Area affected by the factor			
	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
manay	High capacity	nu		
×	Medium capacity			
	Low capacity No capacity and / or resources			
Term				
rrend -	Developement over the last 6 years			
×	Decreasing			
	Static			
	Increasing			
Name			_	
		Impact	Origin	Trend
	dustrial areas	Impact	Origin	Trend
	dustrial areas	Impact	Origin	Trend
4.1.3 In		Impact * *	Origin	Trend
4.1.3 In	scale - Area affected by the factor	Impact	Origin	Trend
4.1.3 In		Impact * T	Origin	Trend

	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respor	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend -	Developement over the last 6 years			
	Decreasing			
~				
^	Static			
	Increasing			
Name		Impact	Origin	Trend
4.1.4 M infrast	ajor visitor accommodation and associated			
innuot		• *	a	
Spatial	scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respor	nd		
	High capacity			
×				
	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend -	Developement over the last 6 years			
	Decreasing			
	•			
×	Static			
	Increasing			
Name 4.1.5 Ir	terpretative and visitation facilities	Impact	Origin	Trend
Spatial	scale - Area affected by the factor			
	Restricted			
×	Localised			
	Extensive			
	Widespread			
Terr	rel coolo. Occurrence of the large i			
Tempo	ral scale - Occurence of the impact			
Tempo	ral scale - Occurence of the impact One off or rare			
Tempo				
Tempo	One off or rare Intermittent or sporadic			
Tempo	One off or rare Intermittent or sporadic Frequent			
×	One off or rare Intermittent or sporadic Frequent On-going			
×	One off or rare Intermittent or sporadic Frequent			
×	One off or rare Intermittent or sporadic Frequent On-going			
×	One off or rare Intermittent or sporadic Frequent On-going • Impact on the attributes			
×	One off or rare Intermittent or sporadic Frequent On-going - Impact on the attributes Insignificant Minor			
×	One off or rare Intermittent or sporadic Frequent On-going - Impact on the attributes Insignificant			
×	One off or rare Intermittent or sporadic Frequent On-going - Impact on the attributes Insignificant Minor			
× Impact	One off or rare Intermittent or sporadic Frequent On-going • Impact on the attributes Insignificant Minor Significant	nd		
× Impact	One off or rare Intermittent or sporadic Frequent On-going Insignificant Minor Significant Major	ъ		

	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	- Developement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						
2 Tran	sportation Infrastructure						
		_				_	
Name	Ground transport infrastructure	Imp	act		Orig	jin ″	Trend
4.2.1	Bround transport minast ucture						
Spatia	al scale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temp	oral scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
lan n -	t - Impact on the attributes						
ипрас							
^	Insignificant						
	Minor						
	Significant						
	Major						
Manag	gement response - Capacity of management to resp	ond					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	- Developement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name							
		Imp	act		Orig	in	Trend
4.2.5 E	Effects arising from use of transportation tructure	Imp	act		Orig	in	Trend
4.2.5 E	Effects arising from use of transportation	Imp	act	,	Orig	in ″	Trend
4.2.5 I infras	Effects arising from use of transportation	Imp:	act	•	Orig	in -	Trend
4.2.5 I infras	Effects arising from use of transportation tructure	·	act		Orig	jin ,	Trend
4.2.5 I infras	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted	imp:	act		Orig	jin 	Trend
4.2.5 I infras	Effects arising from use of transportation tructure Il scale - Area affected by the factor Restricted Localised	,	act		Orig	in -	Trend
4.2.5 I infras	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted	·	act	,	Orig	in ,	Trend
4.2.5 I infras	Effects arising from use of transportation tructure Il scale - Area affected by the factor Restricted Localised	·	act		Orig	in ,	Trend
4.2.5 I infras Spatia ×	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted Localised Extensive	·	act		Orig	jin ,	Trend
4.2.5 I infras Spatia ×	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted Localised Extensive Widespread	·	act		Orig	in ,	-
4.2.5 I infras Spatia ×	Effects arising from use of transportation tructure	Imp.	act		Orig	jin ,	Trend
4.2.5 I infras Spatia ×	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic	,	act		Orig	jin ,	Trend
4.2.5 I infras Spatia ×	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent	Imp.	act		Orig	jin ,,	-
4.2.5 Ii infras Spatia × Tempo	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent On-going	Imp.	act		Orig	jin *	Trend
4.2.5 I infras Spatiz × Tempor ×	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent	-	act		Orig	in -	Trend
4.2.5 Ii infras Spatia × Tempo	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent On-going	mp.	act		Orig	in .	Trend
4.2.5 I infras Spatiz × Tempor ×	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the Impact One off or rare Intermittent or sporadic Frequent Or-going t- Impact on the attributes	mp.	act		Orig	in .	Trend
4.2.5 I infras Spatiz × Tempor ×	Effects arising from use of transportation tructure at scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant	Imp.	act		Orig	in .	Trend
4.2.5 I infras Spatiz × Tempor ×	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted Localised Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going at - Impact on the attributes Insignificant Minor	Imp.	act		Orig	in	Trend
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure al scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor Significant Major		act		Orig	in	Trend
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure al scale - Area affected by the factor action al scale - Area affected by the factor coalised c		act		Orig	in	Trend -
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure at scale - Area affected by the factor action ac		act		Orig	jin .	Trend -
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure at scale - Area affected by the factor coalised coa		act		Orig	jin i	Trend -
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure at scale - Area affected by the factor action ac		act		Orig	jin .	Trend -
4.2.5 F infras Spatia × Tempor × Impac ×	Effects arising from use of transportation tructure at scale - Area affected by the factor coalised coa		act		Orig	in .	Trend
4.2.5 f infras Spatia × Tempo × Impac × Manag	Effects arising from use of transportation tructure at scale - Area affected by the factor coalised coa		act		Orig	in i	Trend
4.2.5 f infras Spatia × Tempo × Impac × Manag	Effects arising from use of transportation tructure at scale - Area affected by the factor action attemption attempti attemption attemption attempti attempti attempt		act		Orig	jin	Trend
4.2.5 f infras Spatia × Tempo × Impac × Manag	Effects arising from use of transportation I scale - Area affected by the factor Action Act		act		Orig	jin	Trend
4.2.5 f infras Spatia × Tempo × Impac × Manag	Effects arising from use of transportation I scale - Area affected by the factor Action Act		act		Orig	jin 	Trend
4.2.5 f infras Spatia × Tempo × Impac × Manag	Effects arising from use of transportation I scale - Area affected by the factor Action Act		act		Orig	jin	Trend
4.2.5 If infras Spatia ×	Effects arising from use of transportation I scale - Area affected by the factor Action Act		act		Orig		Trend
4.2.5 I infras Spatia × × Impac × Manag × Saturna S	Effects arising from use of transportation tructure	ond					
4.2.5 I infras Spatia × Tempo × Impac × Trend × 3 Serv Name	Effects arising from use of transportation tructure a scale - Area affected by the factor a scale - Area affected by the factor b scalesed c callsed				Orig		Trend
4.2.5 I infras Spatia × Tempo × Impac × Trend × 3 Serv Name	Effects arising from use of transportation tructure	ond					
4.2.5 I infras Spatia × Tempo × Impac × Trend × 3 Serv Name	Effects arising from use of transportation tructure a scale - Area affected by the factor a scale - Area affected by the factor b scalesed c callsed	ond					

Spatial scale - Area affected by the factor

×	Restricted	
	Localised	
	Extensive	
	Widespread	
Tomp	oral scale - Occurence of the impact	
×	One off or rare	
	Intermittent or sporadic	
	Frequent	
	On-going	
Impac	t - Impact on the attributes	
×	Insignificant	
	Minor	
	Significant	
	Major	
Manag	ement response - Capacity of management to respo	nd
	High capacity	
×	Medium capacity	
	Low capacity	
_	No capacity and / or resources	
Trend	- Developement over the last 6 years	
	Decreasing	
×	Static	
	Increasing	
Name		Impact Origin Trend
4.3.2 F	Renewable energy facilities	
Spatia	I scale - Area affected by the factor	
	Restricted	
×	Localised	
	Extensive	
	Widespread	
Tempo	oral scale - Occurence of the impact	
	One off or rare	
×	Intermittent or sporadic	
	Frequent	
	On-going	
Impac	t - Impact on the attributes	
	Insignificant	
×	Minor	
	Significant	
	Major	
Manag	ement response - Capacity of management to respo	nd
	High capacity	
×	Medium capacity	
	Low capacity	
	No capacity and / or resources	
Trend	- Developement over the last 6 years	
	Decreasing	
	Static	
×	Increasing	
Name		Impact Origin Trend
4.3.3 M	Ion-renewable energy facilities	
Snatio		
	I scale . Area affected by the factor	
	I scale - Area affected by the factor	
×	Restricted	
	Restricted Localised	
	Restricted Localised Extensive	
	Restricted Localised	
×	Restricted Localised Extensive	
×	Restricted Localised Extensive Widespread	
×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact	
×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare	
×	Restricted Localised Extensive Widespread Oral scale - Occurence of the impact One off or rare Intermittent or sporadic	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One of rare Intermittent or sporadic Frequent On-going	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact one off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact one off or rare Intermittent or sporadic Frequent On-going t- Impact on the attributes Insignificant Minor	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact one off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes	

Manac	ement response - Capacity of management to respo	nd		
manag				
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
I rend ·	Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
Name		Impact	Origin	Trend
4.3.4 L	ocalised utilities			
		• •	a	
Spatial	scale - Area affected by the factor			
	Restricted			
×	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
	One off or rare			
~				
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×				
	Insignificant			
	Minor			
	Significant			
	Major			
	ement response - Capacity of management to respo	- 4		
wanay		nu		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
I rend ·	Developement over the last 6 years			
	Decreasing			
	Decleasing			
×	Static			
×	Static			
×				
×	Static	Impact	Origin	Trend
	Static	Impact • •	Origin	Trend
	Static	Impact	Origin	Trend
4.3.5 N	Static Increasing Jajor linear utilities	Impact 9 4	Origin	Trend
4.3.5 N	Static	Impact 9 4	Origin	Trend
4.3.5 N	Static Increasing Jajor linear utilities	Impact « 4	Origin	Trend
4.3.5 N	Static Increasing Iajor linear utilities scale - Area affected by the factor	Impact · 4	Origin ,	Trend
4.3.5 N	Static Increasing Jajor linear utilities Scale - Area affected by the factor Restricted Localised	Impact · 4	Origin °	Trend
4.3.5 N	Static Increasing Incr	Impact • 4	Origin ,	Trend
4.3.5 N	Static Increasing Jajor linear utilities Scale - Area affected by the factor Restricted Localised	Impact	Origin ,	Trend
4.3.5 M Spatial	Static Increasing Incr	Impact 7 4	Origin °	Trend
4.3.5 M Spatial	Static Increasing ajor linear utilities scale - Area affected by the factor Restricted Localised Extensive Widespread	Impact - 4	Origin °	Trend
4.3.5 M Spatial	Static Increasing ajor linear utilities scale - Area affected by the factor Restricted Localised Extensive Widespread aral scale - Occurence of the impact One off or rare	Impact	Origin	Trend
4.3.5 M Spatial	Static Increasing Increasing Increasing Iscale - Area affected by the factor Restricted Localised Extensive Widespread Iscale - Occurence of the impact One off or rare Intermittent or sporadic	Impact	Origin	Trend
4.3.5 M Spatial	Static Increasing Increasing Iscale - Area affected by the factor Iscale - Area affected by the factor Iscalesed Extensive Widespread Iscale - Occurence of the impact One off or rare Intermittent or sporadic Frequent	Impact	Origin ,	Trend
4.3.5 M Spatial	Static Increasing Increasing Increasing Iscale - Area affected by the factor Restricted Localised Extensive Widespread Iscale - Occurence of the impact One off or rare Intermittent or sporadic	Impact	Origin	Trend
4.3.5 N Spatial × Tempo	Static Increasing Increasing Iscale - Area affected by the factor Iscale - Area affected by the factor Iscalesed Extensive Widespread Iscale - Occurence of the impact One off or rare Intermittent or sporadic Frequent	Impact	Origin ,	Trend
4.3.5 N Spatial × Tempo	Static Increasing Incr	Impact	Origin ,	Trend
4.3.5 M Spatial × Tempo ×	Static Increasing Incr	Impact	Origin	Trend
4.3.5 M Spatial × Tempo ×	Static Increasing Incr	Impact	Origin	Trend
4.3.5 M Spatial × Tempo ×	Static Increasing Incr		Origin	Trend
4.3.5 M Spatial × Tempo ×	Static Increasing Incr	Impact	Origin	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Incr		Origin	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Incr		Origin ,	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Incr		Origin ,	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Intermittent or sporadic Inte		Origin	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Incr		Origin	Trend
4.3.5 M Spatial × Tempo × Impact	Static Increasing Intermittent or sporadic Inte		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Internittent or sporadic I		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Intermittent or sporadic Insignificant Increasing Increasi		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Incr		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Intermittent or sporadic Insignificant Increasing Increasi		Origin ,	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Incr		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Increasing Increasing Increasing Increasing Intern utilities Increasing Intern utilities I		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Increasing Increasing Increasing Increasing Intern utilities Increasing Intern utilities Intern utilities Intern utilities Intern of the i		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag	Static Increasing Increasing Increasing Increasing Increasing Intern utilities Increasing Intern utilities Intern utilities Intern utilities Intern of the i		Origin	Trend
4.3.5 M Spatial × Tempo × Impact × Manag × Trend · ×	Static Increasing Increasing Increasing Increasing Increasing Intern utilities Increasing Intern utilities Intern utilities Intern utilities Intern of the i	nd		
4.3.5 M Spatial × Tempo × Impact × Manag × Trend · × X	Static Increasing Incr	nd		

Spatia	I scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Toma	oral scale - Occurence of the impact			
x				
	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impac	t - Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manad	ement response - Capacity of management to respo	nd		
manaş				
~	High capacity			
^	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend	- Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
Name		Impact	Origin	Trend
4.4.3 5	surface water pollution			
		*	· ·	
Snatia	I scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	oral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impac	t - Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend	- Developement over the last 6 years			
mente	Decreasing			
×				
	Static			
	Increasing			
Name		Impact	Origin	Trend
	ir pollution			
		•		-
Spatia	I scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	oral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
-				
Impac	t - Impact on the attributes			
Impac ×	t - Impact on the attributes			
Impac ×				

	Major		
мапад	ement response - Capacity of management to resp	oond	
	High capacity		
×	Medium capacity		
	Low capacity		
	No capacity and / or resources		
Trend	- Developement over the last 6 years		
	Decreasing		
×	Static		
	Increasing		
Name		Impact Origin	Tren
4.4.5 S	olid waste		
		• • • •	
Spatia	I scale - Area affected by the factor		
	Restricted		
×			
	Localised		
	Extensive		
	Widespread		
Tempo	oral scale - Occurence of the impact		
	One off or rare		
×	Intermittent or sporadic		
	Frequent		
	On-going		
Imme	t - Impact on the attributes		
impac			
×	Insignificant		
	Minor		
	Significant		
	Major		
Manag	ement response - Capacity of management to resp	oond	
	High capacity		
×	Medium capacity		
	Low capacity		
	No capacity and / or resources		
Trend	- Developement over the last 6 years		
	Decreasing		
×	Static		
	Increasing		
Name		Impact Origin	Tren
	nput of excess energy	impact Origin	mem
			-
		• • • •	-
Snatia	l scale . Area affected by the factor		-
Spatia	I scale - Area affected by the factor	· · · ·	-
Spatia ×	Restricted		-
Spatia ×			-
Spatia ×	Restricted		-
Spatia ×	Restricted Localised Extensive		-
x	Restricted Localised Extensive Widespread		-
×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact	, , , , , , ,	-
x	Restricted Localised Extensive Widespread		-
x	Restricted Localised Extensive Widespread oral scale - Occurence of the impact		
x	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare		-
x	Restricted Localised Extensive Widespread vral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent		
×	Restricted Localised Extensive Widespread vral scale - Occurence of the impact One of or rare Intermittent or sporadic Frequent On-going		
×	Restricted Localised Extensive Widespread vral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent		
×	Restricted Localised Extensive Widespread vral scale - Occurence of the impact One of or rare Intermittent or sporadic Frequent On-going		
×	Restricted Localised Extensive Widespread val scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t-Impact on the attributes		
×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor		
×	Restricted Localised Extensive Widespread val scale - Occurence of the impact Cone off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor Significant		
×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor		
× Tempo ×	Restricted Localised Extensive Widespread val scale - Occurence of the impact Cone off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor Significant	sond	
× Tempo ×	Restricted Localised Extensive Widespread scale - Occurence of the impact one off or rare Intermittent or sporadic Frequent On-going - Impact on the attributes Insignificant Minor Significant Major	sound	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact orad s	2001	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact orad s	and	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact orad s	sound	
× Tempo ×	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact orad s	2000d	
× Tempc × × Manag	Restricted Localised Extensive Widespread or off or rare Intermittent or sporadic Frequent On-going termpact on the attributes Insignificant Minor Significant Major High capacity High capacity Medium capacity Low capacity and / or resources	x x x x x x x x x x x x x x x x x x x	
× Tempc × × Manag	Restricted Localised Extensive Widespread or ascale - Occurence of the impact or ascale - Occurence of the impact or of or rare Intermittent or sporadic Frequent on-going trempact on the attributes Insignificant Minor Significant Significant Minor Significant Significan	sond	
× Tempc × × Manag	Restricted Localised Extensive Widespread voidespread	2001	
× Tempc × × Manag	Restricted Localised Extensive Widespread or ascale - Occurence of the impact or ascale - Occurence of the impact or of or rare Intermittent or sporadic Frequent on-going trempact on the attributes Insignificant Minor Significant Significant Minor Significant Significan	2 2 2 2 2 2 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 3 3 3 3 3 3 5	
× Tempc × × Manag	Restricted Localised Extensive Widespread voidespread	Sound	
x Tempo x Impac: x X Trend	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact requent oral scale - Occurence of the impact oral scale - Occurence of the impact oral scale - Occurence of the impact intermittent or sporadic requent intermittent or sporadic requent intermittent or sporadic intermittent or sporadic requent intermittent or sporadic intermittent o	Sound	
x Tempo x Impac: x X Trend	Restricted Localised Extensive Widespread void spread	2000 d	
× Tempc × Manag × Trend 5 Biok	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact requent oral scale - Occurence of the impact oral scale - Occurence of the impact oral scale - Occurence of the impact intermittent or sporadic requent intermittent or sporadic requent intermittent or sporadic intermittent or sporadic requent intermittent or sporadic intermittent o		
× Tempo × Manag × Trend × 5 Biolo	Restricted Localised Extensive Widespread oral scale - Occurence of the impact oral scale - Occurence of the impact requent oral scale - Occurence of the impact oral scale - Occurence of the impact oral scale - Occurence of the impact intermittent or sporadic requent intermittent or sporadic requent intermittent or sporadic intermittent or sporadic requent intermittent or sporadic intermittent o	sond	Tren

Cnotio	I scale - Area affected by the factor			
spatia ×				
^	Restricted			
	Localised			
	Extensive			
	Widespread			
_				
Tempo	oral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	t - Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend	- Developement over the last 6 years			
	Decreasing			
×				
	Static			
	Increasing			
Name		Impact	Origin	Trend
4.5.4 L	ivestock farming/Grazing of domesticated animals			
		•	-	
Spatia	I scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	oral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	t - Impact on the attributes			
×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
manag				
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend	- Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
	norodoling			
Name		Impact	Origin	Trend
	Crop production	• •	· · · ·	
Spatia	I scale - Area affected by the factor			
- ,d				
	Restricted			
×	Localised			
	Extensive			
	Widespread			
Tempo	oral scale - Occurence of the impact			
	One off or rare			
×	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	t - Impact on the attributes			
×	Insignificant			

Minor

	Significant						
	Major						
Mana	gement response - Capacity of management to respo	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	- Developement over the last 6 years						
	Decreasing						
^	Static						
	Increasing						
Name		Imr	act		Ori	ain	
	Forestry/Wood production	•	"	4	011	, ,	
Spatia	al scale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temp	oral scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impa	ct - Impact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Mana	gement response - Capacity of management to respo	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trond	- Developement over the last 6 years						
Trend							
	Decreasing						
×	Static						
	Increasing						
6 Phy	sical resource extraction						
		_			_		
Name		Imp	bact		Ori	gin	
	Quarrying					-	
	Quarrying			4			
	Quarrying	•		4		a	
4.6.2	Quarrying al scale - Area affected by the factor	•		4		a	
4.6.2 Spatia		•		4		- -	
4.6.2 Spatia	al scale - Area affected by the factor	•				- -	
4.6.2 Spatia	al scale - Area affected by the factor Restricted	•		4		a	
4.6.2 Spatia	al scale - Area affected by the factor Restricted Localised Extensive	•		4		σ	
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread	•					
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread	•		*		,	
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare	•		4		,	
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread	•		4		a	
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare	•		9		σ	
4.6.2 Spati: ×	al scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic	•		4			
4.6.2 × Spatia	I scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent						
4.6.2 × Spatia	A scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurrence of the impact One off or rare Intermittent or sporadic Frequent On-going ct - Impact on the attributes	•		*			
4.6.2 × Spatia	I scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t-Impact on the attributes Insignificant	•					
4.6.2 × Spatia	Restricted Localised Extensive Widespread oral scale - Occurence of the Impact One off or rare Intermittent or sporadic Frequent On-going tt - Impact on the attributes Insignificant Minor						
4.6.2 × Spatia	A scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t- Impact on the attributes Insignificant Minor Significant			•		a	
4.6.2 × Spatia × Temp × Impac	I scale - Area affected by the factor Restricted Localised Extensive Widespread one off or rare Intermittent or sporadic Frequent On-going at- impact on the attributes Insignificant Minor Significant Major	•		9		<i>σ</i>	
4.6.2 × Spatia × Temp × Impac		nd		4			
4.6.2 × Spatia × Temp × Impac	I scale - Area affected by the factor Restricted Localised Extensive Widespread one off or rare Intermittent or sporadic Frequent On-going at- impact on the attributes Insignificant Minor Significant Major	nd		4			
4.6.2 × Spatia × Temp × Impac		nd					
4.6.2 × Spatia × Temp × Impac		·		×			
4.6.2 × Spatia × Temp × Impac		nd					
4.6.2 × Spatia × Temp × Impac × Mana ×		nd					
4.6.2 × Spatia × Temp × Impac × Mana ×	I scale - Area affected by the factor Restricted Localised Extensive Widespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going t - Impact on the attributes Insignificant Minor Significant Major generet response - Capacity of management to respond Medium capacity Low capacity No capacity and / or resources Developement over the last 6 years	nd					
4.6.2 × Spatia × Temp × Impac × Mana ×	Instant scale - Area affected by the factor Restricted Localised Extensive Wirdespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going ct - Impact on the attributes Insignificant Minor Significant Major Geneatity Medium capacity Low capacity and / or resources I- Development over the last 6 years Decreasing	nd					
4.6.2 × Spatia × Temp × Impac × Mana ×	Image: Section of the section of th	nd					
4.6.2 × Spatia × Temp × Impac × Mana ×	Instant scale - Area affected by the factor Restricted Localised Extensive Wirdespread oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going ct - Impact on the attributes Insignificant Minor Significant Major Geneatity Medium capacity Low capacity and / or resources I- Development over the last 6 years Decreasing	nd					

		•			4		a	
Spatia	I scale - Area affected by the factor							
×	Restricted							
	Localised							
	Extensive							
	Widespread							
Temno	oral scale - Occurence of the impact							
×								
	One off or rare							
	Intermittent or sporadic							
	Frequent							
	On-going							
Impact	t - Impact on the attributes							
×	Insignificant							
	Minor							
	Significant							
	Major							
Manag	ement response - Capacity of management to respo	nd						
	High capacity							
×	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend	- Developement over the last 6 years							
	Decreasing							
×	Static							
	Increasing							
7 Loca	I conditions affecting physical fabric							
Name		Im	pac	t		01	igin	Trend
4.7.1 V	Vind							
		•			*			-
Spatia	I scale - Area affected by the factor							
×	Restricted							
	Localised							
	Extensive							
	Widespread							
Tompo	oral scale - Occurence of the impact							
×								
	One off or rare							
	Intermittent or sporadic							
	Frequent							
	On-going							
Impact	t - Impact on the attributes							
×	Insignificant							
	Minor							
	Significant							
	Major							
Manag	ement response - Capacity of management to respo	nd						
	High capacity							
×	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend	- Developement over the last 6 years							
	Decreasing							
×	Static							
	Increasing							
Name		Im	pac	t		Or	igin	Trend
4.7.2 R	elative humidity							
		•			4			
	I scale - Area affected by the factor							
×	Restricted							
	Localised							
	Extensive							
	Widespread							
Tempo	oral scale - Occurence of the impact							
×	One off or rare							
	Intermittent or sporadic							
	Frequent							
	On-going							

Impact - Impact on the attributes
* Insignificant

	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
_	No capacity and / or resources			
Trend	Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
Name		Impact	Origin	Trend
4.7.3 T	emperature			
Spatia	scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×				
	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respon	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No canacity and / or resources			
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Impact	- Impact on the attributes						
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Manag	ement response - Capacity of management to respon	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend -	Developement over the last 6 years						
	Decreasing						
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Name		Impa	ct		Orig	jin	Trend
4.7.6 W	fater (rain/water table)						
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	dentity, social cohesion, changes in local population ommunity						
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× Spatia × Tempc × Impact Manag	Developement over the last 6 years Decreasing Static Increasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Intermittent or sporadic Increasing Intermittent or sporadic Increasing Intermittent or sporadic Increasing Insignificant Intermittent or sporadic Insignificant Insi		Origin 2 2 2	Trend
× Spatia Spatia × Tempc × Impact Manag	Developement over the last 6 years Decreasing Static Increasing Static Increasing Static Increasing Increasing Internation Increasing Internition or sporadic Internition Inte		Origin 2 2 2	Trend
× Spatia × Tempc × Impact Manag	Developement over the last 6 years Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Intervittens Increasing Intervittens Increasing Intervittent or sporadic Intervittent or sporadic		Origin 2 2 2	Trend
× Spatia Spatia × Tempc × Impact Manag	Developement over the last 6 years Decreasing Static Increasing Static Increasing Static Increasing Increasing Internation Increasing Internition or sporadic Internition Inte		Origin 2 2 2	Trend -
× Spatia × Tempc × Impact Manag	Developement over the last 6 years Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Intervittens Increasing Intervittens Increasing Intervittent or sporadic Intervittent or sporadic		Origin	Trend

		•	a		
_					
Spatia ×	I scale - Area affected by the factor				
	Restricted				
	Localised				
	Widespread				
Tempo	oral scale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going				
Impac	t - Impact on the attributes				
×	Insignificant				
	Minor				
	Significant				
_	Major				
Manag	ement response - Capacity of management to respo	nd			
×	High capacity				
	Medium capacity Low capacity				
	No capacity and / or resources				
Trend	- Developement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				
l.10 Clir	nate change and severe weather events				
Name		Inc. and		Origin	Trend
	Storms	Impact		Ungin	Trend
		• •			-
Snatia	I scale - Area affected by the factor				
opana	Restricted				
	Localised				
×	Extensive				
	Widespread				
Tempo	oral scale - Occurence of the impact				
	One off or rare				
×	Intermittent or sporadic				
	Frequent				
	On-going				
Impac	t - Impact on the attributes				
×	Minor				
	Significant				
	Major				
Manag	ement response - Capacity of management to respo	nd			
	High capacity				
×	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend	- Developement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				
Name		Impact		Origin	Trend
4.10.2	Flooding				
Spatia	I scale - Area affected by the factor				
	Restricted				
×	Localised				
	Extensive				
	Widespread				
Tempo	oral scale - Occurence of the impact				
×	One off or rare Intermittent or sporadic				
	Intermittent or sporadic Frequent				
	On-going				
Impac	t - Impact on the attributes				

×	Insignificant			
	Minor			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×				
	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend -	Developement over the last 6 years			
	Decreasing			
^	Static			
	Increasing			
Name		Impact	Origin	Trend
4.10.3	Drought			
		• •	0	
				_
Spatial	scale - Area affected by the factor			
×	Restricted			
	Localised			
	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
×	One off or rare			
	Intermittent or sporadic			
	Frequent			
	On-going			
Impact	- Impact on the attributes			
×	Insignificant			
	Minor			
	Olar Herent			
	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
×	Medium capacity			
	medium capacity			
	Low capacity			
	Low capacity No capacity and / or resources			
Trend -				
Trend -	No capacity and / or resources Developement over the last 6 years			
	No capacity and / or resources Developement over the last 6 years Decreasing			
Trend -	No capacity and / or resources Developement over the last 6 years Decreasing Static			
	No capacity and / or resources Developement over the last 6 years Decreasing			
×	No capacity and / or resources Developement over the last 6 years Decreasing Static			
×	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Impact	Origin	Trend
×	No capacity and / or resources Developement over the last 6 years Decreasing Static	Impact	Origin	Trend
×	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Femperature change	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Temperature change scale - Area affected by the factor	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Temperature change scale - Area affected by the factor Restricted	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Temperature change scale - Area affected by the factor	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Temperature change scale - Area affected by the factor Restricted	Impact 7 Y	Origin	Trend
× Name 4.10.6	No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Femperature change scale - Area affected by the factor Restricted Localised	Impact r	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Static Increasing Femperature change Scale - Area affected by the factor Restricted Localised Extensive Widespread	Impact 4	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Static Increasing Increasing Scale - Area affected by the factor Restricted Localised Extensive Widespread action of the impact	Impact 4	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Static Increasing Increasing Scale - Area affected by the factor Restricted Localised Extensive Widespread Tal scale - Occurrence of the impact One off or rare	Impact • •	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Static Increasing Increasing Scale - Area affected by the factor Restricted Localised Extensive Widespread action of the impact	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Static Increasing Increasing Scale - Area affected by the factor Restricted Localised Extensive Widespread Tal scale - Occurrence of the impact One off or rare	Impact	Origin	Trend
× Name 4.10.6	No capacity and / or resources Decreasing Statc Increasing Femperature change scale - Area affected by the factor Restricted Localised Extensive Widespread Cone of or rare Intermittent or sporadic Frequent	Impact .	Origin	Trend
× Name 4.10.6 T Spatial X Tempo X X	No capacity and / or resources Decreasing Statc Increasing femperature change scale - Area affected by the factor Restricted Localised Extensive Widespread actal scale - Occurence of the impact Decreasing Intermittent or sporadic Frequent On-going	Impact .	Origin	Trend
× Name 4.10.6 ° Spatial	No capacity and / or resources Decreasing Decreasing Static Increasing Cemperature change Scale - Area affected by the factor Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent On-going - unpact on the attributes	Impact v	Origin	Trend
× Name 4.10.6 T Spatial X Tempo X X	No capacity and / or resources Decreasing Statc Increasing femperature change scale - Area affected by the factor Restricted Localised Extensive Widespread actal scale - Occurence of the impact Decreasing Intermittent or sporadic Frequent On-going	Impact 2	Origin	Trend
× Name 4.10.6 ° Spatial	No capacity and / or resources Decreasing Static Increasing Cemperature change Scale - Area affected by the factor Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent On-going - unpact on the attributes		Origin	Trend
× Name 4.10.6 ° Spatial	No capacity and / or resources Decreasing Decreasing Static Increasing Insignificant Increasing Increasing Increasing Insignificant Increasing	Impact	Origin	Trend
× Name 4.10.6 ° Spatial	No capacity and / or resources Decreasing Decreasing Static Increasing Increa	Impact	Origin	Trend
× Name 4.10.6 ' Spatial X Tempo X Impact X	No capacity and / or resources Decreasing Decreasing Static Increasing Increa		Origin	Trend
× Name 4.10.6 ' Spatial X Tempo X Impact X	No capacity and / or resources Decreasing Decreasing Static Increasing Comportation		Origin	Trend
× Name 4.10.6 ' Spatial X Tempo X Impact X	No capacity and / or resources Decreasing Decreasing Static Increasing Increa		Origin	Trend
× Name 4.10.6 ' Spatial X Tempo X Impact X	No capacity and / or resources Decreasing Decreasing Static Increasing Comportation		Origin	Trend
× Name 4.10.6 T Spatial X Tempo X Impact X Manage	No capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internet or shore of the Inspect Internittent or sporadic In		Origin	Trend
× Name 4.10.6 T Spatial X Tempo X Impact X Manage	No capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Femperature change Scale - Area affected by the factor Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent One off or rare Intermittent or sporadic Frequent Static Con-going - Impact on the attributes Insignificant Minor Significant Minor High capacity High capacity Extensive Interpreting I		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Femperature change Femperature change Seale - Area affected by the factor Restricted Localised Localised Extensive Widespread Tel Concurrece of the impact Increasing Intermittent or sporadic Frequent One off or rare Intermittent or sporadic Frequent Insignificant Insignificant Minor Significant Minor High capacity Medium capacity Low capacity and / or resources No capacity and / or resources No capacity and / or resources Sources		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Static Increasing Femperature change Femperature		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Femperature change Femperature change Seale - Area affected by the factor Restricted Localised Localised Extensive Widespread Tel Concurrece of the impact Increasing Increasing Intermittent or sporadic Frequent On- oping Intermittent or sporadic Insignificant Insignificant Insignifi		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Static Increasing Femperature change Femperature		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Static Increasing Femperature change Femperat		Origin	Trend
× Spatial Spatial Spatial Support Supp	No capacity and / or resources Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Increas		Origin	

4.10.7	Other climate change impacts				
		•	*	"	-
Spatia	I scale - Area affected by the factor				
×	Restricted				
	Localised				
	Extensive				
	Widespread				
Tempo	oral scale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going				
Impac	t - Impact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				

Management response - Capacity of management to respond

	High capacity
×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend	- Developement over the last 6 years
Trend	- Developement over the last 6 years Decreasing
Trend	

4.11 Sudden ecological or geological events

On-going Impact - Impact on the attributes

Nam	e		Imp	act		Orig	gin	Trend
4.11.	1 Volcanic eruption							
			•		4		đ	
Spati	ial scale - Area affected by the factor							
	Restricted							
	Localised							
c	Extensive							
	Widespread							
Temp	poral scale - Occurence of the impact							
×	One off or rare							
	Intermittent or sporadic							
	Frequent							
	On-going							
Impa	ct - Impact on the attributes							
×	Insignificant							
	Minor							
	Significant							
	Major							
Mana	agement response - Capacity of management t	o respo	nd					
	High capacity							
×	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Tren	d - Developement over the last 6 years							
	Decreasing							
×	Static							
	Increasing							
Nam	e		Imp	act		Orig	ain	Tren
	2 Earthquake							
			•		4		*	-
Snati	ial scale - Area affected by the factor							
opun	Restricted							
	Localised							
	Extensive							
×	Widespread							
Temp	poral scale - Occurence of the impact							
×	One off or rare							
	Intermittent or sporadic							

v						
×	Insignificant					
	Minor					
	Significant					
	Major					
Manag	ement response - Capacity of management to respo	nd				
	High capacity					
~						
×	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend	Developement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Imp	act	Orig	jin	Trend
4.11.4	Avalanche/Landslide					
		•	4	9	a	
Spatia	scale - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Tempo	ral scale - Occurence of the impact					
rempe	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
Impact	- Impact on the attributes					
	Insignificant					
×	Minor					
	Significant					
	Major					
Manag	ement response - Capacity of management to respon	าส				
	High capacity					
×	Medium capacity					
×	Medium capacity Low capacity					
×						
×	Low capacity					
×	Low capacity No capacity and / or resources					
× Trend	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing					
	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static					
	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing					
	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static	Imp	act	Orig	ļin	Trend
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static	Imp	act	Orig	ıìn	Trend
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Imp.	act	Orig	jin	Trend
× Name 4.11.5	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition	Imp.	act	Orig	jin	Trend
× Name 4.11.5	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Imp:	act	Orig	in ,	Trend -
× Name 4.11.5	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition	impa *	act a	Orig	in ,	Trend -
× Name 4.11.5	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and sittation/Deposition scale - Area affected by the factor	Imp	act	Orig	in ,	Trend
× Name 4.11.5	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and sittation/Deposition scale - Area affected by the factor Restricted	Imp.	act	Orig	jin 7	Trend -
× Name 4.11.5	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Scale - Area affected by the factor Restricted Localised	Imp	act	Orig	jin ,	Trend
× Name 4.11.5 Spatia ×	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Restricted Localised Extensive Widespread	·	act	Orig	in 7	Trend
× Name 4.11.5 Spatia	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Esticted Localised Extensive Widespread Estable - Occurrence of the impact	Imp	act a	Orig	jin ,	Trend -
× Name 4.11.5 Spatia ×	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Erosion and siltation/Deposition Erosion and siltation/Deposition Estricted Localised Extensive Widespread ral scale - Occurrence of the Impact One off or rare	•	act	Orig	in	Trend
× Name 4.11.5 Spatia	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Erosion and siltation/Deposition Erosion and siltation/Deposition Estericted Localised Extensive Widespread rel scale - Occurence of the impact One off or rare Intermittent or sporadic	imp:	act a	Orig	in 7	Trend
× Name 4.11.5 Spatia	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Erosion and siltation/Deposition Erosion and siltation/Deposition Estricted Localised Extensive Widespread ral scale - Occurrence of the Impact One off or rare	Imp-	act	Orig	jin .	Trend -
× Name 4.11.5 Spatia	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Erosion and siltation/Deposition Erosion and siltation/Deposition Estericted Localised Extensive Widespread rel scale - Occurence of the impact One off or rare Intermittent or sporadic	Imp.	act ×	-	z.	Trend
× Name 4.11.5 Spatia X Tempc X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and sittation/Deposition Esticted Localised Extensive Widespread real scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent	imp-	act T	Orig	in .	Trend
× Name 4.11.5 Spatia X Tempc X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Extincted Localised Extensive Widespread rel scale - Occurence of the impact Doe off or rare Intermittent or sporadic Frequent On-going	imp.	act ×	Orig	in .	Trend
× Name 4.11.5 Spatia X Tempc X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Extensive Exticted Localised Extensive Widespread Intermittent or sporadic Frequent On-oping Intermittent on the tatributes	-	act ~	Orig	in a second	Trend
× Name 4.11.5 Spatia X Tempc X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Extensive Calised Ca	Imp.	act v	Orig	in a second seco	Trend
× Name 4.11.5 Spatia X Tempc X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Extensive Calised Localised Localised Extensive Videspread One off or rare Intermittent or sporadic Frequent One off or rare Intermittent or sporadic Frequent Fr	-	act v	Orig	jin 7	Trend
× Name 4.11.5 Spatia X Tempo X Impact Impact X	Low capacity No capacity and / or resources Decreasing Static Increasing Erosion and siltation/Deposition Extensive Calised Ca		act v	Orig	in .	Trend
× Name 4.11.5 Spatia × Tempc × Impact	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Content of the tast 6 years Co		act a	Orig	in .	Trend
× Name 4.11.5 Spatia X Tempo X Impact Impact X	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Internitent or sporadic Internitent or		act	Orig	in .	Trend
× Name 4.11.5 Spatia X Tempo X Impact Impact X	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Content of the tast 6 years Co		act ~	Orig	in .	Trend
× Name 4.11.5 Spatia X Tempo X Impact Impact X	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Internitent or sporadic		act ~	Orig	in *	Trend
× Name 4.11.5 Spatia × Tempc × Impact	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition		act ~	Orig	in *	Trend
× Spatia Spatia × Tempc × Impact X Manag	Low capacity No capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition		act	Orig		Trend
× Spatia Spatia × Tempc × Impact Manag	Low capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition/Deposition Increasing Internition In		act	Orig		Trend
× Spatia Spatia × Tempc × Impact Manag	Low capacity and / or resources Decreasing State Decreasing State Comparison and siltation/Deposition Comparison Comparis		act	Orig	in *	Trend
× Spatia Spatia × Tempc × Impact Manag	Low capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition/Deposition Increasing Internition In		act	Orig	in 7	Trend

Name		Imp	act		Orig	gin	Trend
4.11.6	Fire (wildfire)						
		•		4	8	a	
Spatia	I scale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Tempo	oral scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impac	t - Impact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manag	ement response - Capacity of management to respo	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	- Developement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						

4.12 Invasive/alien species or hyper-abundant species

Name		Imp	act		Orig	jin	Trenc
4.12.1	Translocated species						
		•		4	9	a	
Spatia	I scale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Toma	videspread						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
	t - Impact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manag	ement response - Capacity of management to respon	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	- Developement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
		_			_		
Name	Invasive/Alien terrestrial species	Imp	act		Orig	jin	Trend
4.12.2		•				a	
Spatia	I scale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Tempo	oral scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						

	- Impact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manag	ement response - Capacity of management to res	pond			
	High capacity				
×	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend	Developement over the last 6 years				
mente	Decreasing				
*	Static				
	Increasing				
Name		Inc	pact	Origin	Trend
	Invasive/Allen freshwater species	•	-	ongin *	-
Spatia	scale - Area affected by the factor				
×	Restricted				
	Localised				
	Extensive				
	Widespread				
Tempo	ral scale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going				
Imposi	- Impact on the attributes				
impaci					
	Insignificant				
	Minor				
	Significant				
	Major				
Manag	ement response - Capacity of management to res	pond			
	High capacity				
×	Medium capacity				
	Low capacity				
_	No capacity and / or resources				
Trend	Developement over the last 6 years				
	Decreasing				
×					
	Decreasing				
×	Decreasing Static				
×	Decreasing Static Increasing	Imp	oact	Origin	Trend
×	Decreasing Static	Im	pact	Origin	Trend
×	Decreasing Static Increasing	Im;	pact r	Origin	Trend
× Name 4.12.5	Decreasing Static Increasing	im; ,	pact r	Origin ,	Trend
× Name 4.12.5	Decreasing Static Increasing Hyper-abundant species	Im;	pact 9	Origin	Trend
× Name 4.12.5 Spatia	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted	im;	pact r	Origin ,	Trend
× Name 4.12.5 Spatia	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised	·	pact 4	Origin	Trend
× Name 4.12.5 Spatia	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised Extensive	imj	Dact P	Origin	Trend
× Name 4.12.5 Spatia	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised	Imj *	pact T	Origin ,	Trend
× Name 4.12.5 Spatia ×	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised Extensive	im;	oact a	Origin ,	Trend
× Name 4.12.5 Spatia ×	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised Extensive Widespread	Imj	act a	Origin ,	Trend
× Name 4.12.5 Spatia ×	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised Extensive Widespread actale - Occurrence of the impact	imj ,	act 4	Origin	Trend
× Name 4.12.5 Spatia ×	Decreasing Static Increasing Hyper-abundant species Scale - Area affected by the factor Restricted Localised Extensive Widespread Videspread Coe off or rare	im •	a	Origin	Trend
× Name 4.12.5 Spatia ×	Decreasing Static Increasing Hyper-abundant species scale - Area affected by the factor Restricted Localised Extensive Widespread Cocurence of the impact One off or rare Intermittent or sporadic	imj •	a	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Increasing Hyper-abundant species State - Area affected by the factor Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent On-going	ing •	oact a	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Internation Area affected by the factor Increasing Increasing Increasing Increasing Increasing Internitient or sporadic Internitient or sporadic Increasing Internitient or sporadic Interniti	ing •	oact a	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Incr	im *	oact	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Incr	imj •	oact	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Internitient or sporadic I	ing •	oact a	Origin	Trend
× Name 4.12.5 Spatia × Tempc ×	Decreasing Static Increasing Incr	ing •	oact a	Origin	Trend
× Name 4.12.5 Spatia × Tempc × Impact × Impact	Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Internitient or sporadic I		bact a	Origin	Trend
× Name 4.12.5 Spatia × Tempc × Impact × Impact	Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Internitient or sporadic I		Dact 4	Origin	Trend
× Name 4.12.5 Spatia × Tempc × Impact × Impact	Decreasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Intermittent or sporadic Intermittent or		Dact 3	Origin	Trend
× Name 4.12.5 Spatia × Tempc × Impact × Impact	Decreasing Static Increasing Static Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Increasing Internittent or sporadic Internitten		Dact 3	Origin	Trend
× Name 4.12.5 Spatia × Tempc × Impact × Impact	Decreasing Static Increasing Static Increasing Internittent or sporadic Internittent o		Dact 3	Origin	Trend
× Spatia X Spatia X Spatia X Impact Impact Manag	Decreasing Static Increasing Incr		act and a second	Origin	Trend
× Spatia X Spatia X Spatia X Impact Impact Manag	Decreasing Static Increasing Static Increasing Increasi		Dact 2	Origin	Trend
× Spatia X Spatia X Spatia X Impact Impact Manag	Decreasing Static Increasing Incr		Dact 2	Origin	Trend
× Spatia X Spatia X Spatia X Impact Impact Manag	Decreasing Static Increasing Incr		Sact I	Origin	Trend

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan			
Spatial scale - Area affected by the factor			
Restricted			
Localised			
* Extensive			
Widespread			
Temporal scale - Occurence of the impact			
One off or rare			
Intermittent or sporadic			
Frequent			
× On-going			
Impact - Impact on the attributes			
Insignificant			
Minor			
× Significant			
Major			
Management response - Capacity of management to re	spond		
High capacity			
K Medium capacity			
Low capacity			
No capacity and / or resources			
Trend - Developement over the last 6 years			
Decreasing			
* Static			
Increasing			
Name	Impact	Origin	Trend
4.13.2 Legal framework	• •		
Spatial scale - Area affected by the factor			
Restricted			
Localised			
* Extensive			
Widespread			
Temporal scale - Occurence of the impact One off or rare			
Intermittent or sporadic			
× On-going			
Impact on the attributes			
Insignificant			
Minor			
* Significant			
Major			
Management response - Capacity of management to re	spond		
High capacity			
* Medium capacity			
Low capacity			
No capacity and / or resources			
Trend - Developement over the last 6 years			
Decreasing			
× Static			
Increasing			
Name	Impact	Origin	Trend
4.13.3 Governance			
Spatial scale - Area affected by the factor			
Restricted			
Localised			
* Extensive			
Widespread			
Temporal scale - Occurence of the impact One off or rare			

Intermittent or sporadic

Frequent

×	On-going			
	- Impact on the attributes			
inipuot	Insignificant			
	Minor			
~				
^	Significant			
	Major			
Manag	ement response - Capacity of management to respon	nd		
	High capacity			
×	Medium capacity			
	Low capacity			
	No capacity and / or resources			
Trend -	Developement over the last 6 years			
	Decreasing			
×	Static			
	Increasing			
Name		Impact	Origin	Trend
4.13.4	Management activities			
		• •	s	
Spatial	scale - Area affected by the factor			
	Restricted			
	Localised			
×	Extensive			
	Widespread			
Tempo	ral scale - Occurence of the impact			
	One off or rare			
	Intermittent or sporadic			
	Frequent			
×	On-going			
Impact	- Impact on the attributes			
	Insignificant			
	Minor			
×	Significant			
	Major			
Manag	ement response - Capacity of management to respo	nd		
	High capacity			
	5			
×	Medium capacity			
×	Medium capacity			
×	Low capacity			
×	Low capacity No capacity and / or resources			
× Trend -	Low capacity No capacity and / or resources Developement over the last 6 years			
	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing			
× Trend - ×	Low capacity No capacity and / or resources Developement over the last 6 years			
	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing			
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static			
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Impact • 4	Origin	Trend
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static	Impact • 4	Origin , ,	Trend
×	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Impact - 4 - 4	Origin 	Trend -
× Name 4.13.5 I	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing	Impact • • •	Origin - 2 - 2	Trend
× Name 4.13.5 I	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Financial resources	Impact • • •	Origin 	Trend -
× Name 4.13.5 I	Low capacity No capacity and / or resources Decreasing Static Increasing Financial resources scale - Area affected by the factor	Impact • • •	Origin - 2 - 2	Trend -
× Name 4.13.5 I	Low capacity No capacity and / or resources Developement over the last 6 years Decreasing Static Increasing Financial resources scale - Area affected by the factor Restricted	Impact • 4	Origin 2 2 2 2	Trend
× Name 4.13.5 I	Low capacity No capacity and / or resources Decreasing Static Increasing Financial resources Scale - Area affected by the factor Restricted Localised Extensive	Impact • 4	Origin 	Trend -
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Decreasing Static Increasing Financial resources Scale - Area affected by the factor Restricted Localised Extensive Widespread	Impact • • •	Origin	Trend -
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Decreasing Static Increasing Incr	Impact • • •	Origin	Trend -
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Financial resources scale - Area affected by the factor Restricted Localised Extensive Widespread ral scale - Occurrence of the Impact One off or rare	Impact • • •	Origin	Trend -
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Internittent or sporadic Increasing Internittent or sporadic Increasing Internittent or sporadic Increasing Increasing Internittent or sporadic Increasing Internittent or	Impact • • • •	Origin 2	Trend
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Financial resources scale - Area affected by the factor Restricted Localised Extensive Widespread ral scale - Occurrence of the Impact One off or rare	Impact • • • •	Origin	Trend
× Name 4.13.5 I Spatial	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Internittent or sporadic Increasing Internittent or sporadic Increasing Internittent or sporadic Increasing Increasing Internittent or sporadic Increasing Internittent or	Impact • • • •	Origin 2	Trend
× Name 4.13.5 F Spatial X Tempo X X X X	Low capacity No capacity and / or resources Development over the last 6 years Decreasing Static Increasing Increasing Increasing Internetion of the inpact Capacity of the inpact Increasing Internittent or sporadic Frequent Internittent of sporadic Internittent of sporadi	Impact Called Control	Origin 2 3	Trend
× Name 4.13.5 F Spatial X Tempo X X X X	Low capacity No capacity and / or resources Decreasing Static Increasing Incr	Impact Called Control	Origin 2 3	Trend
× Name 4.13.5 F Spatial X Tempo X X X X	Low capacity and / or resources Decreasing Static Increasing Financial resources Extensive Videspread Cone off or rare Intermittent or sporadic Frequent On-going Interdet Intermittent extinutes Intermittent	Impact Called Called C	Origin 2 3	Trend
× Name 4.13.5 F Spatial X Tempo X X X X	Low capacity and / or resources Decreasing Static Increasing Financial resources Extensive Concented by the factor Restricted Localised Extensive Widespread One off or rare Intermittent or sporadic Frequent On-poing - Inpact on the attributes Insignificant Insignificant Insignificant Insignificant Intermittent on sporadic Insignificant Insignificant Insignificant Insignificant Insignificant Intermittent Intermittent Insignificant Intermittent Intermittent Insignificant Intermittent	Impact A A A A A A A A A A A A A	Origin 2 3	Trend
× Name 4.13.5 F Spatial X Tempo X X X X	Low capacity and / or resources Decreasing Static Increasing Financial resources Scale - Area affected by the factor Restricted Localised Extensive Widespread One off or rare Intermittent or sporadic Frequent One off or rare Intermittent or sporadic Frequent Intermittent Inte	Impact Called Called C	Origin 2 3	Trend
× Name 4.13.5 f Spatial X Tempo K Impact	Low capacity and / or resources Decreasing Static Increasing Financial resources Scale - Area affected by the factor Restricted Localised Extensive Videspread Videspread One off or rare Intermittent or sporadic Frequent One off or rare Intermittent or sporadic Frequent Intermittent Frequent Intermittent Frequent Freque		Origin 2 2	Trend
× Name 4.13.5 f Spatial X Tempo K Impact	Low capacity and / or resources Decreasing Decreasing Static Increasing Financial resources Scale - Area affected by the factor Restricted Localised Extensive Widespread rel scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going - impact on the attributes Insignificant Minor Significant Minor Significant Major		Origin 	Trend
× Name 4.13.5 f Spatial X Tempo K Impact	Loc capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internitient or sporadic Interniti		Origin 2 7	Trend -
× Name 4.13.5 f Spatial X Tempo K Impact	Low capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition Internition Increasing Internition Increasing Internition Internition Increasing Internition Internit		Origin 	Trend -
× Name 4.13.5 f Spatial X Tempo K Impact	Loc capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internitient or sporadic Interniti		Origin · · · · · · · · · · · · · · · · · · ·	Trend -
× Name 4.13.5 f Spatial X Tempo K Impact	Low capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internition Internition Increasing Internition Increasing Internition Internition Increasing Internition Internit		Origin · · · · · · · · · · · · · · · · · · ·	
× Spatial Spatial X Tempo X Impact X Manag	Low capacity and / or resources Decreasing Decreasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Internited resources Internited of the impact Internited of sportadic Internited of			
× Spatial Spatial X Tempo X Impact X Manag	Low capacity and / or resources Decreasing Extension Capacity and / or resources Static Increasing Static Increasing Static Increasing Static Increasing Static Increasing Increasing Internitent or sporadic			

	Increasing						
Name 4.13.6	Human resources	Impa •	4	4	Orig	in a	Trend
Spatial	scale - Area affected by the factor						
	Restricted						
	Localised						
×	Extensive						
	Widespread						
_							
Tempo	ral scale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact	- Impact on the attributes						
	Insignificant						
	Minor						
×	Significant						
	Major						
Manag	ement response - Capacity of management to respor	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend	Developement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name		Impa	act		Orig	jin	Trend
4.13.7	Low impact research/monitoring activities	•	4			đ	
Spatial	scale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Tempo	ral scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact	- Impact on the attributes						
^	Insignificant						
	Minor						
	Significant						
	Major						
Manag	ement response - Capacity of management to respor	nd					
	High capacity						
×	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend -	Developement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
	notability						
Name 4.13.8	High impact research/monitoring activities	Imp:	act 7	4	Orig	in ″	Trend
Qr	anala Araa affaata tuuttu fuut						
opatial	scale - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
	Widespread						
Tempo	ral scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						

On-going

Impact	- Impact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manag	ement response - Capacity of management to respond
	High capacity
×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend -	Developement over the last 6 years
	Decreasing
×	Static
	Increasing

4.17. Serial inscriptions (national or transnational)

4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor

All components

4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.

4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)

Attribute Preserved Compromised Seriously compromised Lost 4.18.1.1 Embodiment of an integrated production system that extends from the production of silkworm regis to silkworm raising and a large-scale reeling and spinning plant for the mass production of silk x 4.18.1.2 Technical innovation that drove sericulture and the silk reeling industry in Japan and the world x × 4.18.1.3 International exchange of technologies in sericulture and silk making 4.18.1.4 Became the key to Japan's membership among the world's modern industrialized societies x 4.18.1.5 Emergence of industrial buildings and sericulture facilities that suited Japan's unique culture ×

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

5.1.1 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The boundaries are adequate to maintain the property's Outstanding Universal Value

5.1.2 - Are the boundaries of the World Heritage property known and recognised? The boundaries are known by both the manage ement authority and local communities/landowners

5.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The buffer zones are adequate to maintain the property's Outstanding Universal Value

5.1.4 - Are the boundaries of the buffer zones known and recognised? The buffer zones of the World Heritage property are known and recognised by both the management authority and local communities/land

5.1.5 - Comments, conclusions and/or recommendations related to boundaries and buffer zones of the World Heritage property

We take appropriate steps to ensure that the boundaries of components and buffer zones well known by local residents and others co

5.2. Protective Measures

5.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and/or traditional)

Comment The property is protected by the Act on Protection of Cultural Properties. Designations and years of implemented protective measures are as follows. Tomioka Silk Mill: Historic Site, 2005; Important Cultural Property, 2006; National Treasure, 2014 Tajima Yahei Sericulture Farm: Historic Site 2012 Takayama-sha Sericulture School: Historic Site, 2009; Historic Site, 2009; Historic Site, 2014 Tajima Yahei Sericulture Farm: Historic Site, 2010

5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category

2004 / Landscape Act /

http://www.iapaneselawtranslation.go.ip/law/detail/?id=2533&vm=04&re=01&new=1 1968 /

City Planning Act /

http://www.japaneselawtranslation.go.jp/law/detail/?id=1923&vm=04&re=01&new=1 1949 / Outdoor Advertisement Act /

Establishes necessary regulatory standards for the display of outdoor advertisements, the installation and maintenance of objects that display outdoor advertisements, and for the outdoor advertising business in order to create a favorable landscape, maintain scenic beauty, and prevent harm to the general public. / 2012 / Tomioka Silk Mill and Related Sites Comprehensive Preservation and Management Plan (and preservation and management plans of individual components) /

5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an adequate basis for effective management and protection

5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The legal framework in the buffer zone for the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an adequate basis for effective management and protection

5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property? The legal framework for the broader setting of the World Heritage property provides an adequate basis for effective management and protection of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and/or Authenticity and/or Integrity

5.2.6 - Can the legal framework (i.e. legislation and/or regulation) be enforced? There is adequate capacity/resources to enforce legislation and/or regulation in the World Heritage property

5.2.7 - Please provide a short summary of how the legislation, including spatial planning and other regulation, works in practice

The property's interior is protected and regulated by the Act on Protection of Cultural Properties. The buffer zones (including the property) are regulated by the Landscape Act, City Planning Act, Outdoor Advertisement Act, and other laws. At the same time, regulations on development activity and preliminary coordination are applied to the buffer zones based on ordinances and plans established by the municipalities that manage the components.

5.2.8 - Comments, conclusions and/or recommendations about the information related to the measures taken to protect the World Heritage property

With respect to the implementation of Heritage Impact Assessments, it is hoped that laws will be developed at the national level to protect the buffer zone:

5.3. Management System/Management Plan

5.3.1 - Please check the box which most closely match the character of the governance and management system of the property Public management system joint regional/loca

If 'Other', please specify

5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.

A statutory Management Plan or zoning plan for the property.

Other forms of statutory or non-statutory plans (e.g. strategic plans)

A management plan

An annual work plan or business plan

5.3.3 - Please give a brief description of the management system currently in place at your property

For the property, the Gunma Prefecture World Heritage Council, which consists of Gunma Prefecture and relevant municipalities, establishes the "Comprehensive Preservation and Management Plan," which serves as a comprehensive preservation and management policy for the components. Additionally, preservation and management are executed based on preservation and management plans established by the municipalities that manage the components.

5.3.4 - Management Documents

Comment

Tomioka Silk Mill and Related Sites Comprehensive Preservation and Management Plan (formulated in August 2012, revised in March 2019)

5.3.5 - Has any use been made of the 2011 Recommendation on the Historic Urban Landscape in developing policies and best practices for the protection of this property?

No use has been made of the 2011 Recommendation on the Historic Urban Landscape

5.3.6 - If the Historic Urban Landscape Recommendation has been used at this property, please describe briefly what has been done.

5.3.7 - Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?

No use has been made of the World Heritage Policy for Climate Change

5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:

5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ? No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

5.3.10 - If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done

5.3.11 - Rate the coordination between the various levels of administration (i.e. national/federal; regional/provincial/state; local/municipal etc.) involved in the management of the World Heritage property

There is adequate coordination between all bodies/levels involved in the management of the property

5.3.12 - Is the management system/plan adequate to maintain the property's Outstanding Universal Value? The management system/plan is **fully adequate** to maintain the property's Outstanding Universal Value

5.3.13 - Is the management system being implemented?

The management system is being fully implemented and monitored

5.3.14 - Is there an annual work/action plan and is it being implemented?

An annual work/action plan exists and many of its activities are being implemented

5.3.15 - Does the management system include formal mechanisms and procedures that ensure participation and contribution of the following groups, living within or near the World Heritage property and/or buffer zone in management decisions that maintain the Outstanding Universal Value of the property?

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			×		
5.3.15.2	Local authorities				×	
5.3.15.3	Landowners in the property and the buffer zone			×		
5.3.15.4	Indigenous peoples	×				
5.3.15.5	Women			×		
5.3.15.6	Other specific groups			×		

If you selected, 'Other specific groups' please specify

5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities				×	
5.3.16.2	Local/Municipal authorities					×
5.3.16.3	Indigenous peoples	х				
5.3.16.4	Landowners				×	
5.3.16.5	Women				×	
5.3.16.6	Youth/Children				×	
5.3.16.7	Researchers				×	
5.3.16.8	Local Visitors/Tourists				×	
5.3.16.9	National/International tourists				×	
5.3.16.10	Tourism Industry				×	
5.3.16.11	Local businesses and industries				×	
5.3.16.12	NGOs				×	
5.3.16.13	Other specific groups				×	
	If you selected 'Other specific groups', please specify					

5.3.17 - Please rate the extent to which the management system of your property contributes towards achieving the objectives of the World Heritage Committee's Policy for the Integration of a Sustainable Development Perspective into the Processes of the World Heritage

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality				×	
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)	×				
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status				×	
5.3.17.4	The management system of the property integrates a human rights-based approach				×	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				×	
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property	×				

5.3.18 - Please provide further details on the ratings of the management system given in the table above

The management system is implemented based on curring tair and equal participation opportunities (e.g., in employee hiring, etc.) in the municipalities that management components. Given that women's immense contributions have contributed are a part of the property's history, we will deepen research and disseminate information on women's activities. We want to be able to contribute to gender equality.

5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan

We used the Comprehensive Preservation and Management Plan and the preservation and managements for individual components as our main source of information when responding to the questions of Chapter 5.

6. Financial and Human Resources

6.1. Funding

6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	41 %	2 %
6.1.1.7	Governmental (regional/provincial/state)	39 %	20 %
6.1.1.8	Governmental (local/municipal)	4 %	19 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	2 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	16 %	57 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above

6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?

The available budget is acceptable but could be further improved to fully meet the management needs

6.1.4 - Are the existing sources of funding secure and likely to remain so?

The existing sources of funding are secure over the medium-term and planning is underway to secure funding over the long-term

6.1.5 - Comments, conclusion, and/or recommendations related to finance and infrastructure

We would like to see expanded national-level financial assistance for the property's preservation and management.

6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.

		From local communities %	From elsewhere %
6.1.6.1	Men	68 %	75 %
6.1.6.2	Women	32 %	25 %
		Total 100 %	Total 100 %

6.1.7 - Are available human resources adequate to manage the World Heritage property?

Human resources partly meet the management needs of the World Heritage property 6.1.8 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines

Conservation Good Environmental sustainability Fair Community participation and inclusion Fair Risk preparedness Fair Capacity development and education Fair Administration Fair Research and monitoring Good Awareness raising and public information/communication Fair Marketing and promotion Fair Interpretation Good Visitor management/tourism Good Enforcement (custodians, police) Fair

6.1.9 - Please rate the availability of training opportunities for the management of the World Heritage property in the following disciplines

Conservation	Fair
Environmental sustainability	Fair
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Fair
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

6.1.10 - Has any use been made of the World Heritage Strategy for Capacity Building at the property?

6.1.11 - If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.

6.1.12 - Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?

A site-based capacity building plan or programme is in place and fully implemented; all technical skills are being transferred to those managing the property locally

6.1.13 - Comments, conclusions and/or recommendations related to human resources, expertise and training

We are working to improve understanding with respect to the property's preservation and utilization through meetings, working groups, and other gatherings, with primary focus on Gunma Prefecture and the municipalities that manage the components.

7. Scientific Studies and Research Projects

7.1 - Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support planning, management and decision-making to ensure that Outstanding Universal Value is maintained?

Knowledge about the values and attributes of the World Heritage property is acceptable for most key areas but there are gaps

7.2 - Is there a planned programme of research at the property which is directed towards management needs and/or improving understanding of Outstanding Universal Value?

There is a comprehensive, integrated programme of research, which is relevant to management needs and/or improving understanding of Outstanding Universal Value

7.3 - Are results from research programmes publicly available and disseminated?

No use has been made of the World Heritage Strategy for Capacity Building

Research results are shared with local communities and some national agencies 7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects

In Tornika Classical and recommendations traded to settimine status and the status of the status of

8. Education, Information and Awareness Building

8.1 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

Local communities	Fair
Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Youth/children	Fair
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Fair
Local businesses and industries	Fair
NGOs	Fair
Other specific groups	Good
If you selected 'Other specific groups', please describe	

8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?

There is a planned education and awareness programme for children and/or youth but it only partly meets the needs

8.3 - Who are the target audiences for education and awareness programmes at your property?

Local communities

Landowners

Women

Youth/children

Researchers

rtooouronoro

Local Visitors

National/international tourists

Tourism industry

Local businesses and industries

NGOs

14003

Other specific groups

8.4 - Please rate the adequacy of the following visitor facilities and services at the World Heritage property for education, information, interpretation and awareness building

Visitor centre	Good
Site museum	Fair
Information booths	Good
Guided tours	Good
Trails/routes	Fair
Printed information materials	Good
Online (website, social media, etc.)	Fair
Transportation facilities	Fair
Other	Not needed
If 'Other' is selected, please specify	

8.5 - Comments, conclusions and/or recommendations related to education, information and awareness building

Various initiatives are underway to hand down the property to coming generations. Among them are educational programs for elementary and junior high school students provided by the municipalities that manage the components, and programs whereby private organizations that engage in dissemination activities visit schools to give lessons for elementary and junior high school students. We provide information on tour routes and related properties via our own smartphone app.

9. Visitor Management

9.1 - Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

516,138 / 570,512 / 713,948 / 884,254 / 1,314,891 /

9.2 - What information sources are used to collect visitor statistics?

Entry tickets and registries

9.3 - What is the average length stay of a visitor to the World Heritage property?

One day (no overnight stay)

9.4 - Please provide the source of information

Based on data obtained from Seikaiisan "Tomioka Seishijo to Kinu Sangyo Isan-gun" Raiho-sha Chosa Bunseki Jigyo (project to study and analyze visitors to the "Tomioka Silk Mill and Related Sites" World Heritage) conducted by Gunma Prefecture in FY2019

9.5 - What is the approximate average daily visitor expenditure? (Please provide an estimated monetary figure in USD)

140/30/52/7/2/19/

9.6 - Please provide the source of information

Based on data obtained from Seikaiisan "Tomioka Seishijo to Kinu Sangyo Isan-gun" Raiho-sha Chosa Bunseki Jigyo (project to study and analyze visitors to the "Tomioka Silk Mill and Related Sites" World Heritage) conducted by Gunma Prefecture in FY2019

9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation

9.8 - Please provide any comments relating to the answer provided above in question 9.7

A comprehensive strategy for the components is provided in the Comprehensive Preservation and Management Plan that was established by the Gunma Prefecture World Heritage Council, which consists of Gunma Prefecture and relevant municipalities; the municipalities that manage the components also establish strategies for their individual components.

9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

Visitor use of the World Heritage property is effectively managed and does not impact its Outstanding Universal Value

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

Monitoring

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?

There is good cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?

The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made

9.13 - At how many locations is the World Heritage emblem displayed at the property?

In many locations and easily visible to visitors

9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?

Fees are collected and make a substantial contribution to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

No

If 'Yes', please specify 9.16 - Are the benefits of tourism shared with local communities?

9.16 - Are

Yes

If Yes', please specify Economic benefits derived from eating and drinking, overnight stays, shopping, etc., by visitors.

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property

The Tomioka Silk Mill was open to the general public even before its World Heritage inscription. Between 2014, when it was inscribed, and 2019, the mill was visited by a total of 4.88 million people. Additionally, the "West Cocoon Warehouse," a structure within the property that was opened to the public in 2020, has been developed to house a permanent gallery that displays and explains materials in the property's possession. In this way it helps raise visitors' understanding of the property.

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?

There is a comprehensive, integrated programme of monitoring, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained? Information on the values of the World Heritage property is adequate and key indicators have been defined for measuring the state of conservation and are being used in monitoring of how the Outstanding Universal value of the property is adequate and key indicators have been defined for measuring the state of conservation and are being used in monitoring of how the Outstanding Universal value of the property is being maintained

10.3 - Are key indicators defined and in place for the following principal aspects of the property?

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				×
10.3.2	Effectiveness of the management system				×
10.3.3	Character of governance				×
10.3.4	Appropriate synergy with other conservation designations				x
10.3.5	Contribution to sustainable development		×		

10.4 - Please provide information on relevant key indicators adopted at the property

We set indicators for common property items (e.g., structures, land, natural disasters, development activity, tourism, etc.) based on the Comprehensive Preservation and Management Plan that was formulated Gunma Prefecture World Heritage Council, which consists of Gunma Prefecture and relevant municipalities, and monitor them one a year.

×

10.5 - Please rate the level of involvement in monitoring of the following groups:

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Good
Local communities	Poor
Indigenous peoples	Not applicable
Landowners	Poor
Women	Poor
Researchers	Poor
Tourism industry	Non-existent
Local businesses and industry	Non-existent
NGOs	Non-existent
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?

Implementation is underway

10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.

Regarding matters that were recommended by the Vold Heritage Committee at the time of World Heritage inscription, we are conducting a study on women's labor at the Tomicka Silk Mill Research Center. We are also carefully studying future maintenance for preserving the Arafune Cold Storage. We also plan to conduct studies and research that will be based at the Gunma Prefectural World Heritage Center.

10.8 - Comments, conclusions and/or recommendations related to Monitoring

We used the Comprehensive Preservation and Management Plan and the preservation and managements for individual components as our main source of information when responding to the questions of Chapter 10.

11. Identification of Priority Management Needs 11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan				
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	×			
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	×			
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	×			
6.1	Funding				
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	×			
6.1.7	Human resources partly meet the management needs of the World Heritage property	×			
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	×			
8	Education, Information and Awareness Building				
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	×			
9	Visitor Management				
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	×			
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	×			
Please sele	Please select 0 more issues.				
- Please sa	ve this question to reflect changes				

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property 12.1.1 - Summary - Factors affecting the Property

4.3 Services Infrastructures

4.3.2 Renewable energy facilities

4.8 Social/Cultural uses of heritage

4.8.4	Changes in traditional ways of life and knowledge system	The maintenance of traditional knowledge (silk culture) that has a deep connection with the property, such as in sericulture, silk making, and fabric, is very important for maintaining the OUV; however, such knowledge may be lost in the future.	Concerned local governments and private organizations are working together to disseminate and pass on silk culture.	educa inform	onitor dissemination and tion activities, the provision of ation, and the activities of a organization concerning silk a.	We also receive reports from the municipalities that manage the property as needed.	Isesal	a Prefecture, Tornioka City, d City, Fujioka City, Shimonita concerned organizations	disse throu cond	ntend to continue activities to minate and pass on the property gh collaboration between erned local governments and te organizations.
4.8.5	Identity, social cohesion, changes in local population and community	Fostering awareness of the property as World Heritage among local residents and people involved in property management is a task that is necessary for maintaining the OUV.	Concerned local governments and private organizations are working together to pass on the property to future generations.	educat inform private	onitor dissemination and tion activities, the provision of lation, and the activities of e organization that concern ing on the property to future ations.	We conduct monitoring once a year. We also receive reports from the municipalities that manage the property as needed.	Isesal	a Prefecture, Tomioka City, il City, Fujioka City, Shimonita concerned organizations	disse throu cond	ntend to continue activities to aminate and pass on the property igh collaboration between erned local governments and te organizations.
4.8.6	Impacts of tourism/Visitation/Recreat	Although the number of visitors to the property rapidly increased after its World Heritage inscription, it is now leveling out and is not generating negative impacts on the OUV.	The municipalities that manage the property are providing appropriate visitation management by, for exam accurately ascertaining visitor numt and installing information signs.	ple,	We monitor the number of visitors to the property and various activities associated with tourism.	We conduct monitoring once a year also receive reports from the municipalities that manage the prop as needed.		Gunma Prefecture, Tomioka Cil Isesaki City, Fujioka City, Shimonita Town	ty,	We intend to keep a close eye on the impacts of tourism, visits, and recreation from both positive and negative aspects.
l.10 Clima	ate change and severe weat	her events								
l.10.1			Storms							
4.11 Sudd	len ecological or geological	events								
4.11.2 Earth	quake									
4.11.4			Avalanche/Landslide							
4.13 Mana	agement and institutional fac	ctors								
4.13.4	Management activities	The property is appropriately man by the managing bodies (municipa an no negative impacts on the OU seen.	lities) property conduct everything		We monitor the property's management.	We conduct monitoring once We also receive reports from municipalities that manage th property as needed.	the	Gunma Prefecture, Tomioka City, Isesaki City, Fujioka City Shimonita Town	, ti a	Ve intend to keep a close eye on the impacts of management ctivities from both positive and egative aspects.

4.13.5	Financial resources	Shortages of financial resources may have a negative impact on the property's preservation and management.	Each local government accepts donations, accumulates a fund, and, except for Tajima Yahei Sericulture Farm, charges admission fees to the property.	We monitor the status of the financial resources of the property's managing organizations.	We conduct monitoring once a year. We also receive reports from the municipalities that manage the property as needed.	City, Isesaki City, Fujioka City, Shimonita Town	Due to concerns that financial resources will become inadequate as visitor numbers decrease, we will work to secure the financial resources necessary to management the property.
4.13.6	Human resources	Shortages of human resources may have a negative impact on the property's preservation and management.	Each year, Gunma Prefecture accepts human resources from the municipalities and trains them to improve their skills.	We monitor the status of the human resources of the property's managing organizations.	We conduct monitoring once a year. We also receive reports from the municipalities that manage the property as needed.	Gunma Prefecture, Tomioka City, Isesaki City, Fujioka City Shimonita Town	We will work to train and secure specialized human resources to conduct studies and research.

Question not completed

12.2. Summary - Management Needs

5.3	Management System/N				
.3.5	No use has been made the Historic Urban Landscape Recommendation to develop policies and bes practices for the protection of the property	storic Urban reference in preserving and managing the property. mendation to popolices and best cso for the		More info / comment N/A	
5.3.7	No use has been made the Policy Document on the Impacts of Climate Change on World Heritage Properties at th property	nent on reference in preserving and managing the limate property.		NA	
5.3.9	No use has been made the Strategy for Reducin Risks from Disasters at World Heritage Propertie at the property	g reference in preserving and managing the property.	NA	Under consideration	NA
5.1	Funding				
3.1.3	The available budget i acceptable but could be further improved t fully meet the management needs of World Heritage proper	 a fund, and, except for Tajima Yahei Sericulture Fa charges admission fees to the property. 		Gunma Prefecture, Tomioka City, Isesaki City, Fuj City, Shimonita Town	ioka Due to concerns that financial resources will become inadequate as visitor numbers decrease, we will work to secure the financial resources necessary to management the property.
3.1.7	Human resources part meet the management needs of the World Heritage property			Gunma Prefecture, Tomioka City, Isesaki City, Fuj City, Shimonita Town	ioka We will continue working to train and secure human resources.
3.1.10	No use has been made the World Heritage Strategy for Capacity Development at the World Heritage propert	in preserving and managing the property.	rence N/A	Under consideration	N/A
3	Education, Information and A	wareness Building			
	education and awareness ch	cooperation with private organizations, we conduct visits iliden to teach them the property's history and associated aditional culture.		Gunma Prefecture, Tomioka City, Isesaki C City, Shimonita Town, others	Sity, Fujioka We will work to train and secure human resources to be involved in education for children and young people.
)	Visitor Management				
9.7	There is a strategy to manage visitors, tourism	The Gunma Prefecture World Heritage Council is formulat comprehensive visitation management plan (comprehensi utilization plan).		Shimonita Town, others for	Ve are currently studying the orientation of a strategy for ormulating the comprehensive visitation management plan comprehensive utilization plan).
9.12		The Gunma Prefectural World Heritage Center has display concerning the OUV and disseminates information on it.	vs Conducted regularly each year		Ve intend to strengthen our dissemination of information rimarily through the Gunma Prefectural World Heritage Center.
	nt Needs completed				

12.3. Conclusions on the State of Conservation of the Property

12.3.1 - Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?

The Authenticity of the World Heritage property has been preserved

12.3.2 - Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property?

The Integrity of the World Heritage property is intact

12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value? The World Heritage property's Outstanding Universal Value has been maintained.

12.3.4 - What is the current state of the property's other values?

Other important cultural and/or natural values and the state of conservation of the World Heritage property are intact

12.3.5 - Comments. conclusions and/or recommendations related to the state of conservation of the property. The property is conserved based on laws, ordinances, and the Comprehensive Preservation and Management Plan, and it is authenticity, integrity, and Outstanding Universal Value are being properly maintained.

13. Impact of World Heritage Status

13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive

Advocacy	Positive
Institutional coordination	Positive
Security	Positive
Gender equality	Positive
Provision of ecosystem services/ benefits to local communities	Not applicable
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Positive
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Not applicable
Other	Not applicable
If 'Other', please specify	

13.2 - Comments, conclusions and/or recommendations related to World Heritage status and its impacts

Tomioka Silk Mill and Related Sites' inscription as a World Heritage property is having impacts in terms of not only the property's conservation but also community revitalization.

14. Good Practice in the Implementation of the World Heritage Convention

14. Good Practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Convention 14.1 - Example of good practice in the Implementation of the World Heritage Interview Construction made with a reinforcing steel 15.1 Form January 2015 to April 2020, we executed a preservation and maintenance project for the "Vest Coccon Warehouse" National Treasure, which is one of the structures of the property at the Tomioka Silk Mill. We installed a glass "house in house" construction made with a reinforcing steel 16.1 Form January 2015 to April 2020, we executed a preservation and maintenance project for the "Vest Coccon Warehouse" ve installed a galary (exhibition noom) and multipurpose hall. The project sought to preserve the building's varies as a double characteristics as a industrial heritage, and the finitege, and the finitege. In the Sakaishimamura district of Isesaki City, where Tajima Yahel Sericulture Farm is located, there are numerous groups of large sericulture farmhouses. We are working to preserve traditional structures in the building varies and use of large-scale modern industrial haracterities. At Takayama-sha Sericulture School, we are executing repairs to bamboo hedges and other items using general available materials, and we are creating a framework capable of continuously conserving the property will be encouraging citizen's participation. At the Arature Cold Storage, we have been conductions continuously since FY2014 to identify movements and changes in the wind hole's stonework. We reco

14.2 - Define which topics are covered by this example of best practice at the property level

UNESCO National Commission		No support
UNESCO (other sectors/field offices)		No support
UNESCO World Heritage Centre		Fair
15.5.1 - Please rate the level of support in terms of training	ng and guidance from the following entities in completing this questionnaire	
15.5. Training and Guidance		
15.4.3 - Please provide suggestions for improvement of		
15.4.2.2	Clarity of questions	×
15.4.2.1	Ease of use of questionnaire	× *
		Very Difficult Difficult Easy Very easy
Most required information was accessible. 15.4.2 - Was the questionnaire easy to use and clear to u	nderstand?	
15.4.1 - How accessible was the information required to	complete this questionnaire?	
15.4. Format and content of the Periodic Report		
	for organizing consultation meetings/ training	×
15.3.5.1 Human resources		
Additional resources to fill		No Yes
15.3.5 - Did you mobilise any additional resources to fill	nut this questionnaire?	
20 / 20 / 120 /		
15.3.4 - Please estimate the time (working hours) needed	I to complete this questionnaire	
15.3.3 - Were you given adequate time (i.e. roughly ten m Yes	nonths) to gather necessary information and to fill in this questionnaire?	
Gender balance has been explicitly considered in the proc		
	ation been considered in the filling out of this questionnaire?	
Site Manager/Coordinator World Heritage property staff		
Governmental institutions responsible for cultural and natu	ural heritage	
15.3.1 ming and resources 15.3.1 - Entities involved in the filling out of this online q	uestionnaire (tick as many boxes as applicable)	
15.2.2 - Comments on use of data from the Cycle of Perio 15.3. Timing and resources	aic keporting	
Awareness raising	di Desertes	
Update of management plans		
Revision of priorities/strategies/policies for the protection,		
15.2. Use of Data 15.2.1 - How do the authorities in charge of the property	plan to use the data recorded from this cycle of Periodic Reporting?	
Advisory Bodies (ICOMOS, IUCN, ICCROM)		No follow-up
UNESCO World Heritage Centre		No follow-up
Site Managers		Fair
State Party		Fair
	ommendations from previous Periodic Reporting exercise by the following entities	T-1
Monitoring and reporting		
Management effectiveness to maintain the Outstanding U	niversal Value	
The property's Integrity and/or Authenticity		
The concept of Integrity and/or Authenticity		
The property's Outstanding Universal Value		
The concept of Outstanding Universal Value		
The World Heritage Convention		
15.1.1 - Has the Periodic Reporting process improved the	e understanding of the following?	
15. Assessment of the Periodic Reporting Exercise 15.1. Relevance of Periodic Reporting		
Capacity Building		
State of Conservation		
Synergies		
Sustainable Development		
14.2 - Define which topics are covered by this example o		

ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support
15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities	
UNESCO World Heritage Centre	Fair
State Party Representative (national Focal Point)	Fair
UNESCO other sectors (a.g. field office)	No support
National Commission for UNESCO	No support
ICOMOS International	No support
ICCROM International/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support
IUCN International	No support

15.5.3 - Were the online training resources prepared by the World Heritage Centre regarding Periodic Reporting adequate for you to complete this questionnaire?

Not applicable (i.e. I did not use these resources)

15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented?

15.6. Actions that will require formal consideration by the World Heritage Committee

15.6.1 - Summary of actions that will require formal consideration by the World Heritage Committee

No item were proposed for update

15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise

15.7.1 - Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise

15.7.2 - Thank you for having filled in all the questions. Please contact your National Focal Point for validation.