

Zollverein Coal Mine Industrial Complex in Essen

1. World Heritage Property Data

1.1 - Name of World Heritage property

Zollverein Coal Mine Industrial Complex in Essen

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Zollverein Coal Mine Industrial Complex in Essen	51.491 / 7.046	0	0	0	2001
Total (ha)			0		

Comment

According to the updated management plan the property is 94,3412 hectares and the Buffer zone is 460,1315 hectares

1.4 - Map(s)

Comment

There is an ongoing map issue with the World Heritage Centre. Maps will be provided in due course.

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

- [Zeche Zollverein XII, Essen \(german only\)](#)
- [UNESCO Commission of Germany](#)
- [Zollverein](#)
- www.zollverein.de www.unesco.de/kultur-und-natur/welterbe/welterbe-deutschland/industriekomplex-zeche-zollverein-essen
whc.unesco.org/en/list/975 artsandculture.google.com/project/zollverein
www.route-industriekultur.ruhr/standorte-der-route/ankerpunkte/unesco-welterbe-zollverein-essen
visitworldheritage.com/en/eu/zollverein-coal-mine-industrial-complex-germany/b0b631c5-ea55-4717-9141-dcf745ee052d
facebook.com/UnescoWelterbeZollverein instagram.com/zeche_zollverein?hl=de twitter.com/zollverein

2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

2.1 - 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) <u>is</u> 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		✘

2.2 - Please provide comments on 2.1 if necessary

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?

No

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?

No

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.	

2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)

2.9 - Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?

No

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

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

No

2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are 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 Zollverein XII Coal Mine Industrial Complex is an important example of a European primary industry of great economic significance in the 19th and 20th centuries. It consists of the complete installations of a historical coal-mining site: the pits, coking plants, railway lines, pit heaps, miner's housing and consumer and welfare facilities. The mine is especially noteworthy of the high architectural quality of its buildings of the Modern Movement.

Zollverein XII was created at the end of a phase of political and economic upheaval and change in Germany, which was represented aesthetically in the transition from Expressionism to Cubism and Functionalism. At the same time, Zollverein XII embodies this short economic boom between the two World Wars, which has gone down in history as the "Roaring Twenties." Zollverein is also, and by no means least, a monument of industrial history reflecting an era, in which, for the first time, globalisation and the worldwide interdependence of economic factors played a vital part.

The architects Fritz Schupp and Martin Kemmer developed Zollverein XII in the graphic language of the Bauhaus as a group of buildings which combined form and function in a masterly way.

Criterion (ii): The Zollverein XII Coal Mine Industrial Complex is an exceptional industrial monument by virtue of the fact that its buildings are outstanding examples of the application of the design concepts of the Modern Movement in architecture in a wholly industrial context.

Criterion (iii): The technological and other structures of Zollverein XII are representative of a crucial period in the development of traditional heavy industries in Europe, which were reinforced through the parallel development and application of Modern Movement architectural designs of outstanding quality.

Integrity

The Zollverein Coal Mine Industrial Complex in Essen comprises all the elements of intensive 19th and 20th century industrial exploitation – the complete complex of buildings and equipment necessary for the extraction and treatment of coal and the production of coke, the required transportation network (in the case of railways) as well as the vast heaps of pit waste.

Authenticity

The Zollverein XII Coal Mine Industrial Complex has a high level of authenticity. The individual industrial components have inevitably lost their functional authenticity. However, a policy of sensitive and imaginative adaptive reuse has ensured that their forms survive intact, with significant items of the industrial plant preserved, and that their interrelationships remain visible in a clear and logical manner. In particular, the authenticity of the important group of industrial buildings designed for Zollverein XII by Fritz Schupp has been carefully conserved.

Protection and management requirements

The Zollverein XII Coal Mine Industrial Complex is a listed industrial monument according to paragraphs 2 and 3 of the Act on the Protection and Conservation of Monuments of the State of North Rhine-Westphalia, dated 11 March 1980 (Protection Law). Building activities within the property and its buffer zone are regulated by paragraph 9 (2) of the Protection Law and through Local Building Plans.

The Zollverein Foundation, established and financed by the State of North Rhine-Westphalia, is the owner of essential parts of the property and responsible for the management and the sustainable development of the World Heritage property. The Foundation acts in concertation with the regional and local historic monument conservation authorities. The management system consists of a set of maintenance and conservation measures. The strategy for the mine's preservation focuses on a responsible redevelopment of the buildings for the purpose of culture and design, entertainment and tourism, implemented by the Zollverein Foundation.

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).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	Complete complex of buildings and equipment necessary for the extraction and treatment of coal and the production of coke, transportation network and pit heaps	✘			
3.2.2	Important group of industrial buildings Zollverein XII	✘			
3.2.3	Architectural design concepts of the Modern Movement	✘			
3.2.4	High architectural quality of the buildings of the Modern Movement	✘			
3.2.5	Interrelationships between the buildings	✘			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

3.3 - Comments, conclusions and/or recommendations related to Statement of Outstanding Universal Value

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.1.2 - Commercial development

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.1.3 - Industrial areas

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant
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Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant
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Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively

concerning 4.1.4: since the last reporting a new hotel was openend within the world heritage site concerning 4.1.5: the planning process for a new/additional visitor center has recently started

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant
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Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

concerning 4.2.1: the necessary ground transport infrastructure has been improved through maintenance and construction projects

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.3.4 - Localised utilities

Previous answer Cycle 2 (15/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

4.3.5 - Major linear utilities

Previous answer Cycle 2 (15/07/2013):

- Not relevant

✗ Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✗	✗		✗			→	
Negative							

4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

concerning 4.3.2: securing the energy supply while taking renewable energies into account is a constant challenge. a research project currently underway will identify options that can then be evaluated for positive or negative effects. concerning 4.3.4: the planning process for a new mobile communication tower has recently started concerning 4.3.5: a gas pipeline located on the world heritage site that was no longer in operation and not relevant was dismantled

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.2 - Ground water pollution

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.3 - Surface water pollution

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.4 - Air pollution

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.5 - Solid waste

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.6 - Input of excess energy

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.5.2 - Aquaculture

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
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4.5.3 - Land conversion

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.6.3 - Oil and gas

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.2 - Relative humidity

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.3 - Temperature

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.4 - Radiation/Light

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.5 - Dust

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.7 - Pests

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.8 - Micro-organisms

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

✘ Not relevant

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative							

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (15/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (15/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside, Outside

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside, Outside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative							

4.8.7 - Please comment as necessary on how the factors selected as relevant in 4.8 are affecting the property either negatively or positively

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (15/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (15/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative							

4.9.3 - Military training

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.9.4 - War

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively

concerning 4.9.2: damage caused by vandalism continues to decline

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.6 - Temperature change

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant

Not relevant

4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.2 - Earthquake

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.6 - Modified genetic material

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Negative							

4.13.2 - Legal framework

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative							

4.13.3 - Governance

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative							

4.13.4 - Management activities

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Inside

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative							

4.13.5 - Financial resources

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

4.13.6 - Human resources

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative ✗		✗		✗			

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (15/07/2013):

- Relevant, Positive, Current, Potential, Inside

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✗	✗		✗				
Negative							

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (15/07/2013):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

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

concerning 4.13.1: the update of the managementplan was recently finished concerning 4.13.2: the monument protection law of the state of north rhine-wesphalia was amended and regulations for the protection of world heritage sites were explicitly included concerning 4.13.5+4.13.6: securing financial and human resources is becoming increasingly difficult

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend	
4.1 Buildings and Development						
4.1.4 Major visitor accommodation and associated infrastructure						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.3 Services Infrastructures						
4.3.2 Renewable energy facilities						
4.3.4 Localised utilities						
4.3.5 Major linear utilities						
4.8 Social/Cultural uses of heritage						

4.8.2 Society's valuing of heritage						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.2 Deliberate destruction of heritage						
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
4.13.2 Legal framework						
4.13.3 Governance						
4.13.4 Management activities						
4.13.5 Financial resources						
4.13.6 Human resources						
4.13.7 Low impact research/monitoring activities						
Legend Current Potential Negative Positive Inside Outside						

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
4.1.4 Major visitor accommodation and associated infrastructure						

Spatial scale - Area affected by the factor

<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes

<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years

<input checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	 		

Spatial scale - Area affected by the factor

<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes

<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years

<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 		

Spatial scale - Area affected by the factor

	Restricted
<input checked="" type="checkbox"/>	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes

<input checked="" type="checkbox"/>	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
<input checked="" type="checkbox"/>	Static
	Increasing

4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities	 		
	 		

Spatial scale - Area affected by the factor

	Restricted
	Localised
<input checked="" type="checkbox"/>	Extensive
	Widespread

Temporal scale - Occurrence 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 respond	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✘	Increasing

Name	Impact	Origin	Trend
4.3.4 Localised utilities			

Spatial scale - Area affected by the factor	
✘	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence 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 respond	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	

	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.3.5 Major linear utilities	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Spatial scale - Area affected by the factor

<input checked="" type="checkbox"/>	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

<input checked="" type="checkbox"/>	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes

<input checked="" type="checkbox"/>	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

<input checked="" type="checkbox"/>	Decreasing
	Static
	Increasing

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
X	On-going
Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
X	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
X	Static
	Increasing

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	 	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised
X	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
X	On-going
Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
X	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✘	Static
	Increasing

4.9 Other human activities

Name	Impact	Origin	Trend
4.9.2 Deliberate destruction of heritage	 		

Spatial scale - Area affected by the factor

	Restricted
✘	Localised
	Extensive
	Widespread

Temporal scale - Occurrence 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 respond

✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years

	Decreasing
	Static
✘	Increasing

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
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.2 Legal framework	 		

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input checked="" type="checkbox"/>	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity

	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development 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 - Occurrence 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 respond	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✘	Static
	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	 	 	

Spatial scale - Area affected by the factor	
	Restricted
	Localised

	Extensive
✘	Widespread
Temporal scale - Occurrence 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 respond	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✘	Increasing

Name	Impact			Origin		Trend
4.13.5 Financial resources						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✘	Widespread
Temporal scale - Occurrence 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 respond	
✘	High capacity

	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
X	Increasing

Name	Impact	Origin	Trend
4.13.6 Human resources			

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
X	Widespread

Temporal scale - Occurrence of the impact	
	One off or rare
X	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
X	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
	Static
X	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities			

Spatial scale - Area affected by the factor	
	Restricted
	Localised

	Extensive
X	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
X	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
X	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
X	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

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	Complete complex of buildings and equipment necessary for the extraction and treatment of coal and the production of coke, transportation network and pit heaps	X			
4.18.1.2	Important group of industrial buildings Zollverein XII	X			
4.18.1.3	Architectural design concepts of the Modern Movement	X			
4.18.1.4	High architectural quality of the buildings of the Modern Movement	X			
4.18.1.5	Interrelationships between the buildings	X			

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 management 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/landowners

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

5.2. Protective Measures

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

The Zollverein XII Coal Mine Industrial Complex is a listed industrial monument according § 2 and § 3 of the Act on the Protection and Conservation of Monuments in the State of North Rhine-Westphalia, dated March 11, 1980 (Protection Law). Building activities within the property and the buffer zone are regulated by § 9 (2) Protection Law and Local Building Plans.

Source: Periodic Reporting Cycle 2

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

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 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

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

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/local

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

5.3.4 - Management Documents

Comment

The Management plan was recently updated and send to the world heritage center.

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?

No annual work/action plan exists and it is **not needed**

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			x		
5.3.15.2	Local authorities					x
5.3.15.3	Landowners in the property and the buffer zone				x	
5.3.15.4	Indigenous peoples	x				
5.3.15.5	Women	x				
5.3.15.6	Other specific groups	x				
	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					x
5.3.16.2	Local/Municipal authorities					x
5.3.16.3	Indigenous peoples	x				
5.3.16.4	Landowners					x
5.3.16.5	Women	x				
5.3.16.6	Youth/Children	x				
5.3.16.7	Researchers					x
5.3.16.8	Local Visitors/Tourists					x
5.3.16.9	National/International tourists					x
5.3.16.10	Tourism Industry					x
5.3.16.11	Local businesses and industries					x
5.3.16.12	NGOs					x
5.3.16.13	Other specific groups	x				
	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 Convention

		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

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

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)	10 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	50 %	100 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	20 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	10 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	10 %	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

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	40 %	50 %
6.1.6.2	Women	60 %	50 %
		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	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Good
Marketing and promotion	Good
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

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

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

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

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

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

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 **adequate**

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?

Research results are shared widely with active outreach to local communities and national and international audiences

7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects

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	Not applicable
Youth/children	Not applicable
Researchers	Good
Local visitors	Good
National/international tourists	Good
Tourism industry	Fair
Local businesses and industries	Fair
NGOs	Good
Other specific groups	Not applicable
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 and effective education and awareness programme for children and youth that contributes to the protection of the World Heritage property

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

Local communities
Youth/children
Local Visitors
National/international tourists

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

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

9. Visitor Management

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

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

Entry tickets and registries

Visitor surveys

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

concerning 9.3: length of stay approx. 3,6 hours according to analysis of visitor surveys, statistics and tracking

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

0 / 14 / 0 / 14 / 0 / 0 /

9.6 - Please provide the source of information

Admission fees plus food and beverage = approx. 27,25 USD according to analysis of visitor surveys and statistics for lodging, transportation, recreation fees, souvenir and other retail purchases is no data available

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 planned and **effective strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property

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

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, through the UNESCO Tourism Management Assessment Tool

If a different system, please specify

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 **some contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Not applicable

If 'Yes', please specify

9.16 - Are the benefits of tourism shared with local communities?

Yes

If 'Yes', please specify

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage 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 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		✘		
10.3.5	Contribution to sustainable development		✘		
10.3.6	Capacity development		✘		

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

No indicators have been defined so far. In the course of the further updates of the management plan, these are to be defined and evaluated.

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Fair
Local communities	Non-existent
Indigenous peoples	Not applicable
Landowners	Fair
Women	Not applicable
Researchers	Fair
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?

No relevant Committee recommendations to implement

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

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

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	✘
9	Visitor Management	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	✘

Please select 2 more issues.

Please save 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	criteria ii&iii: architectural design concept of classical modernism attributes: 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5 (potentially all buildings could be affected)	in the research project for the supply of the world heritage site with renewable energies, the knowledge and securing of the ouv is introduced as a requirement to be considered	on-going coordination with all involved institutions and monument protection authorities, regular monitoring tools	2023-2024	Zollverein Foundation	none
4.3.4	Localised utilities	criteria ii&iii: architectural design concept of classical modernism attributes: 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5 depending on the location, a radio tower could affect the silhouette and thus the attributes	coordination of the location and design with all institutions involved	on-going coordination with all involved institutions and monument protection authorities, regular monitoring tools	2023	local telecommunications company, landowners (mostly Zollverein Foundation)	none
4.13 Management and institutional factors							
4.13.5	Financial resources	criteria ii&iii: architectural design concept of classical modernism attributes: 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5 No direct impact, but indirectly affected via the ability of the Zollverein Foundation to act.	Continuous discussions with funding bodies and acquisition of further funding or sponsorship	none	on-going	Zollverein Foundation	none
4.13.6	Human resources	criteria ii&iii: architectural design concept of classical modernism attributes: 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5 No direct impact, but indirectly affected via the ability of the Zollverein Foundation to act.	on-going recruitment	none	on-going	Zollverein Foundation	none

Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3 Management System/Management Plan						
		Actions	Timeframe	Lead agency (and others involved)	More info / comment	
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	consideration in the further update of the management plan	none	Zollverein Foundation	there are a lot of actions of the zollverein foundation but the connection with the policy document was not clearly elaborated	
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Not required since not affected	none	none	none	
6.1 Funding						

6.1.7	Human resources partly meet the management needs of the World Heritage property	on-going recruitment, continuous discussions with funding bodies and acquisition of further funding or sponsorship	on-going	Zollverein Foundation	human resources are acceptable and basically sufficient but improvements could be made
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	consideration in the further update of the management plan	none	Zollverein Foundation	there are a lot of actions of the zollverein foundation but the connection with the strategy was not clearly elaborated

9 Visitor Management

9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	the planning process for a new visitor center has recently started	2023-2025	zollverein foundation	The presentation and interpretation of the Outstanding Universal Value of the property is already very good but will be improved through the new visitor center
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Summary - Management 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.

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	Not applicable
Recognition	Very positive
Education	Positive
Infrastructure development	Very positive
Funding for the property	Positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	No impact

Institutional coordination	No impact
Security	No impact
Gender equality	Not applicable
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	Not applicable
Fostering inclusive local economic development and enhancing livelihood	Not applicable
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

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

14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level

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

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

15.1.1 - Has the Periodic Reporting process improved the understanding of the following?

The concept of Outstanding Universal Value
The property's Outstanding Universal Value
Management effectiveness to maintain the Outstanding Universal Value

15.1.2 - Please rate the follow-up to conclusions and recommendations from previous Periodic Reporting exercise by the following entities

State Party	Not needed
Site Managers	Not needed
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

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?

Update of management plans
Fundraising

15.2.2 - Comments on use of data from the Cycle of Periodic Reporting

15.3. Timing and resources

15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff

15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?

Gender balance has **not been explicitly** considered or implemented in the process.

15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?

Yes

15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

10 / 5 / 60 /

15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?

Additional resources	No	Yes
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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.