

Vizcaya Bridge

1. World Heritage Property Data

1.1 - Name of World Heritage property

Vizcaya Bridge

Comment

By the state Law 19/2011, the name Vizcaya changed to Bizkaia

1.2 - World Heritage property details

Comment

The maps of the property are currently being updated in the framework of the Restrospective Inventory initiative at the request of the World Heritage Center by letter of 16th December 2022.

1.3 - Geographic information table

| Name | Coordinates | Property (ha) | Buffer zone (ha) | Total (ha) | Inscription year |
|----------------|-----------------|---------------|------------------|------------|------------------|
| Vizcaya Bridge | 43.323 / -3.017 | 0.86 | 12.36 | 13.22 | 2006 |
| Total (ha) | | 0.86 | 12.36 | 13.22 | |

1.4 - Map(s)

| Title | Date | Link to source |
|--|------|---|
| Vizcaya Bridge - map of inscribed property | 2006 |  |

Comment

The maps of the property are currently being updated in the framework of the Restrospective Inventory initiative at the request of the World Heritage Center by letter of 16th December 2022.

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

1. [The UNESCO Courier](#)

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?

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 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?

Not applicable

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?

Not applicable

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)

no comment

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?

Not aware

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

Customs, rites, music styles, languages like Basque...

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.

Any known

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 Monumental Vizcaya Hanging Bridge is an infrastructure located in the north of the Iberian Peninsula, over the mouth of the River Ibaizabal, at the point where the navigable estuary of Bilbao opens out to the sea. It spans the two banks of the river, thereby connecting the municipalities of Getxo and Portugalete.

It was designed by the Basque architect, Alberto de Palacio, who devised the first bridge in the world with a hanging transporter – which transports passengers and vehicles by means of a gondola suspended high above the passing ships. Its construction is outstanding for merging 19th-century ironworking traditions, taken from the railways, with the new lightweight technology of twisted steel cables, designed by the Frenchman Ferdinand Arnodin. Constructed on private initiative between 1887 and 1893, the bridge has worked almost without interruption since it was built.

The bridge follows the style of the mining aerial tramways and constitutes an outstanding example of architectural minimalism. It is composed of four riveted lattice steel towers, cable-stayed and connected in two pairs, with a total height of 51 metres. Between the two sets of towers, one on either bank, are parabolic cables from which the upper crossbeam hangs, measuring 160 metres in length, suspended 45 metres above sea level at high tide. In order not to interfere with the navigation, a mechanical trolley runs along the crossbeam, from which a platform hangs at the same height as the banks: this is the gondola, capable of transporting around twelve vehicles and some two hundred people. It is known for its aesthetic qualities and constitutes the first bridge in the world to transport passengers using a mechanical, hanging transporter.

The Vizcaya Bridge, one of the most outstanding iron architectural constructions of the European industrial revolution, was hugely innovative due to the fact that it allowed the passage of ships on a wide estuary, with no need for ramps or for raising and lowering of the bridge. This is therefore a system which, at the time it was built, introduced a new solution to meet the requirements at hand and a new method of transport. Furthermore, as regards the materials used, it represents the ironworking methods practiced in the Basque region, starting with exploitation of the local iron ore deposits in Roman times until reaching the peak of its production in the industrial revolution. Its impact at world level was important, given that it was used as a new model for many other transporter bridges of similar characteristics in Europe, Africa and America, very few of which still stand today.

Criterion (i): For being a surprising work that perfectly combines beauty, aesthetics and functionality: the Vizcaya Bridge is a spectacular and aesthetically pleasing addition to the river estuary and an exceptional expression of technical creativity, reflecting a completely satisfactory relationship between form and function.

Criterion (ii): For its innovative nature from the technological point of view and its condition of pioneer in this kind of constructions: the Vizcaya Bridge, by means of developing a hanging transporter mechanism and merging ironmaking technology with the use of new steel cables, created a new form of construction which influenced the design of bridges all over the world in the three subsequent decades, and exported French and Spanish technologies.

Integrity

The Bridge was opened on 28 July 1893 and has operated continuously ever since, except during the Spanish Civil War from 1937 to 1941, a period when the damage suffered caused the platform to fall into the estuary.

During 1996, 1997 and 1998, the company responsible for its management, *El Transbordador de Vizcaya S.L.*, went about important work to remove different installations added to the Bridge, which were causing it increasing stress and damage. Outstanding among these were the replacement of seriously damaged structural elements and the strengthening of others. Cutting-edge control and protection systems were also introduced, lifts were added to two of the towers and the former tollbooths were demolished to free up space around the original structure, etc.

Today the Bridge is in a very good state of preservation and, as detailed, includes all essential elements of the original structure that define it as a working transporter bridge. The in-depth restoration of the Bridge's vital elements was implemented due to the need to preserve the original elements; these have saved the Bridge from inevitable technical decline while contributing to the integrity of its structure. The modifications made to the Gondola and power systems serve as an example in the preservation of original functioning structural elements and, therefore, in conserving the integrity of the structure as a working bridge. It should be remembered that today only eight of the more than twenty transporter bridges built in the world are still standing.

Authenticity

Throughout its history, the Vizcaya Bridge has undergone partial updates and modernisations to meet the new necessities as they arose, with no detriment to the essential characteristics that lend it its value. These interventions (replacement of the gondola, introduction of new power systems, installation of new lifts, removal of secondary structures, etc.) have been necessary to keep the bridge in operation and to preserve its authenticity as an operating structure.

Although, in visual terms, the new systems are not the same as the originals, they do offer a technical solution to current requirements, lending greater safety and durability to the structure as a whole. In this respect, the gondola was replaced with a lighter version and the iron wheels on the upper rails holding it in place were replaced with polyurethane rollers to cushion the movements. The Bridge continues to offer a continuous service between the two towns, which have developed new industries related to tourism and the new port.

In 2011, important engineering work was carried out on the Vizcaya Bridge to renew its interior and exterior structure. More than 250 parts were replaced, including guy cables and other parts, in addition to a new running rail, but maintaining and always remaining faithful to the value of their authenticity, and without interrupting its use at any time. Having made an exhaustive analysis of the Bridge structure, it was found that the jet-black colour absorbed excessive radiation, which generated structural fatigue in the steel of the towers and crossbeam. The decision was therefore taken to change the colour to "*Vena Roja Hematites Somorrostro*", the most effective for future preservation of the structure.

Protection and management requirements

The Bridge is a cultural monument, approved by Decree 2003 in accordance with Law 7/1990, on Basque Cultural Heritage. Furthermore, both Getxo and Portugalete have Development Plans under which the Bridge environment is protected. The Bridge is the property of the Spanish State which, through its Ministry of Public Works and Transport, delegates its responsibilities to the National Port Authority which, in turn, delegates many decisions to the Bilbao Port Authority. Since 1996, *El Transbordador de Vizcaya S.L.*, a private company, has held the concession to manage the bridge, running until 2025 and giving work to some 30 people.

The Bridge is managed by different bodies with the core objective of developing cultural tourism. With a view to guaranteeing its preservation and authenticity, while also coordinating the different actions and promoting the Bridge and the areas around it, at the moment of the World Heritage declaration, representatives of the Ministry of Culture, of the Basque Government, of the Provincial Office of Bizkaia, of the Municipal Councils of Portugalete and Getxo, and of the Bizkaia Transport Company, jointly drew up a Management Plan. Based on this Plan, an Institutional Panel was constituted to monitor the different works carried out and the holding of

events. Similar, a Board of Trustees was appointed to carry out projects related to the objectives of the said Plan, also creating an Advisory Committee for the purposes of studies, analyses and research work. Lastly, a Technical Team puts the plans approved into action and controls the documentation.

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 | integrity | | × | | |
| 3.2.2 | funcionality | × | | | |
| 3.2.3 | beauty | × | | | |
| 3.2.4 | innovation | × | | | |
| 3.2.5 | sustainability | × | | | |
| 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

The Bridge works continuously, making more than 100,000 trips a year and transporting 3 million people, but the 8 main cables that support it are stretched compared to the beginning 80 years ago. Specialized engineering firms are being consulted to have a project that can be commissioned in about five years.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | | |
|----------|---|--------------|
| Relevant | × | Not relevant |
|----------|---|--------------|

4.1.2 - Commercial development

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | | |
|----------|---|--------------|
| Relevant | × | Not relevant |
|----------|---|--------------|

4.1.3 - Industrial areas

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | | |
|----------|---|--------------|
| Relevant | × | Not relevant |
|----------|---|--------------|

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | | |
|----------|---|--------------|
| Relevant | × | Not relevant |
|----------|---|--------------|

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Inside, Outside

| | | |
|----------|---|--------------|
| Relevant | × | Not relevant |
|----------|---|--------------|

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

No one was relevant

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | |
|------------|--------------|
| ✕ Relevant | Not relevant |
|------------|--------------|

| | Impact | | Origin | | Trend of impact | | |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact | 🔴 Current | 🟡 Potential | 🟢 Inside | 🟢 Outside | 📉 Decreasing | ➡ Stable | 📈 Increasing |
| 🟢 Positive | | | | | | | |
| 🔴 Negative ✕ | | ✕ | | ✕ | | | 📈 |

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Negative, Current, Inside, Outside

| | |
|------------|--------------|
| ✕ Relevant | Not relevant |
|------------|--------------|

| | Impact | | Origin | | Trend of impact | | |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact | 🔴 Current | 🟡 Potential | 🟢 Inside | 🟢 Outside | 📉 Decreasing | ➡ Stable | 📈 Increasing |
| 🟢 Positive ✕ | | ✕ | | ✕ | | | 📈 |
| 🔴 Negative | | | | | | | |

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|------------|--------------|
| ✕ Relevant | Not relevant |
|------------|--------------|

| | Impact | | Origin | | Trend of impact | | |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact | 🔴 Current | 🟡 Potential | 🟢 Inside | 🟢 Outside | 📉 Decreasing | ➡ Stable | 📈 Increasing |
| 🟢 Positive ✕ | | ✕ | | ✕ | | | 📈 |
| 🔴 Negative | | | | | | | |

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

AN underwater tunnel is under project very near to the Bridge for cars and train, reducing the incomes with which the Bridge is maintained . There is a very ambitious plan to transform the interior of the estuary into a great cultural circuit of sailing and cycling related to the 20 30 agenda.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.3.4 - Localised utilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

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

No comment

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Potential, Outside

Relevant

✕ Not relevant

4.4.4 - Air pollution

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

Relevant

✕ Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

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

No comment

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Outside

Relevant

✕ Not relevant

4.5.2 - Aquaculture

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.3 - Land conversion

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (17/07/2014):

- 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

No comment

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.6.2 - Quarrying

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.6.4 - Water (extraction)

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|--|
| Relevant | <input checked="" type="checkbox"/> 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

No comment

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

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

4.7.2 - Relative humidity

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

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

4.7.3 - Temperature

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, 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 | | | | | | | |
|  Negative <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |  |

4.7.4 - Radiation/Light

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

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

4.7.5 - Dust

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

Relevant

✕ Not relevant

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

Relevant

✕ Not relevant

4.7.7 - Pests

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.7.8 - Micro-organisms

Previous answer Cycle 2 (17/07/2014):

- 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

Global warming causes temporary elongation of main cables that are already undergoing rheological elongation. For this reason, the need arises to advance its change. Also the bridge that is moved through power electronics is suffering because the temperature increase .

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Potential, Inside, Outside

Relevant

✕ Not relevant

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

Relevant

✕ Not relevant

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Potential, Inside, Outside

Relevant

✕ Not relevant

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

No comment

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Inside

Relevant

✕ Not relevant

4.9.3 - Military training

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.9.4 - War

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (17/07/2014):

- 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

No comment

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

Relevant

✕ Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (17/07/2014):

- Not relevant











Relevant

✕ Not relevant

4.10.6 - Temperature change

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Potential, Outside

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

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (17/07/2014):

- 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

Global warming causes stress situations to the metallic structure, more and more durable, which will force to bring forward the application of corrective measures.

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.11.2 - Earthquake

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

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

No comment.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.12.6 - Modified genetic material

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

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

No comment.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.13.2 - Legal framework

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.13.3 - Governance

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.13.4 - Management activities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.13.5 - Financial resources

| | |
|------------|--------------|
| ✕ Relevant | Not relevant |
|------------|--------------|

| | Impact | | Origin | | Trend of impact | | |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact | 🔥 Current | 🔨 Potential | 📍 Inside | 🌐 Outside | ↘ Decreasing | → Stable | ↗ Increasing |
| 🟢 Positive | | | | | | | |
| 🔴 Negative ✕ | | ✕ | ✕ | | ↘ | | |

4.13.6 - Human resources

| | |
|----------|----------------|
| Relevant | ✕ Not relevant |
|----------|----------------|

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (17/07/2014):

- 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

The bridge is self-financed mainly by passenger transport and its number is continuously decreasing due to structural factors such as social aging, the disappearance of industries and the creation of new large infrastructures (metro, new bridges and tunnels...). Visitor funding must be increased.

4.14. Other factor(s)

4.14.1 - Other factor(s)

No comment.

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

| Name | Impact | | | Origin | | Trend | |
|---|-----------|--|-------------|------------|------------|----------|-----------|
| 4.2 Transportation Infrastructure | | | | | | | |
| 4.2.2 Underground transport infrastructure | | | | | | | |
| | ⊖ | | ⚡ | | 🔄 | ↗ | |
| 4.2.4 Marine transport infrastructure | ⊕ | | ⚡ | | 🔄 | ↗ | |
| | | | | | | | |
| 4.2.5 Effects arising from use of transportation infrastructure | ⊕ | | ⚡ | | 🔄 | ↗ | |
| | | | | | | | |
| 4.7 Local conditions affecting physical fabric | | | | | | | |
| 4.7.3 Temperature | | | | | | | |
| | ⊖ | | ⚡ | | 🔄 | ↗ | |
| 4.10 Climate change and severe weather events | | | | | | | |
| 4.10.6 Temperature change | | | | | | | |
| | ⊖ | | ⚡ | | 🔄 | ↗ | |
| 4.13 Management and institutional factors | | | | | | | |
| 4.13.5 Financial resources | | | | | | | |
| | ⊖ | | ⚡ | 🔄 | | ↘ | |
| 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

4.2 Transportation Infrastructure

| Name | Impact | | | Origin | | Trend |
|---|--------|--|---|--------|---|-------|
| 4.2.2 Underground transport infrastructure | | | | | | |
| | ⊖ | | ⚡ | | 🔄 | ↗ |
| 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 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 |
|---------------------------------------|---|--|---|---|---|
| 4.2.4 Marine transport infrastructure |  | |  |  |  |
| | | | | | |

| | |
|---|--------------------------|
| 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 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 |
|---|--------|--|---|--------|---|-------|
| 4.2.5 Effects arising from use of transportation infrastructure | + | | ! | | ↻ | ↗ |
| | | | | | | |

| 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 |

4.7 Local conditions affecting physical fabric

| Name | Impact | | | Origin | | Trend |
|-------------------|--------|--|--|--------|--|-------|
| 4.7.3 Temperature | | | | | | |





| | | | | | | | |
|--|--------------------------------|--|--|--|--|--|--|
| | | | | | | | |
| 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 | | | | | | |

4.10 Climate change and severe weather events

| Name | Impact | | | Origin | | Trend |
|--|--------------------------|--|--|--------|--|-------|
| 4.10.6 Temperature change | | | | | | |
| | | | | | | |
| 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 |
|----------------------------|---|--|---|---|--|---|
| 4.13.5 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 |
| ✕ | 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

We are launching the World Association of Transporter Bridges to undertake a Serial Registration of the Bizkaia Bridge and the other seven Bridges in the world

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 | Form | × | | | |
| 4.18.1.2 | Material | × | | | |
| 4.18.1.3 | Use & function | | × | | |
| 4.18.1.4 | Management systems | × | | | |
| 4.18.1.5 | Location | × | | | |

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

No comment.

5.2. Protective Measures

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

Vizcaya Bridge is protected by a specific group of legal regulations approved by the Basque Government, the body holding maximum sovereignty with respect to Cultural Historical Heritage in the region in question. By virtue of art. 148.16 of the Spanish Constitution, the Autonomous Communities can assume authority with respect to heritage property on its land, a principle stipulated in art. 10.19 of the Basque Statute of Autonomy, granting exclusive sovereignty with respect to historical, artistic and monumental heritage in the Basque Autonomous Community.

The Decree 265/1984 of 17 July, listing the Vizcaya Bridge as a national Monument of Historical and Artistic Importance.

Vizcaya Bridge is a Listed Cultural Monument approved according to a decree issued by the Basque Government Council under art. 11.1 of the Basque Cultural Heritage Act (Act 7/90, dated 3 July), establishing its general condition regarding authorisations, use, activity, defense, offences and sanctions. The application of these rules and of the sanctions corresponding to offences committed with respect to the bridge is the authority of Bizkaia Provincial Council, the body in charge of authorising or refusing all licences regarding interventions or actions affecting the Bridge or its qualified surroundings (arts. 29, 30, 31 and 32) and has the power to take the precaution of suspending work at any stage of its implementation and order return of the part affected to its original condition. Art. 108 establishes the system of administrative sanctions, which will be imposed and implemented by the Basque Government (art. 108.4) or by Bizkaia Provincial Council (art. 108.5), for amounts of up to 600,000.00 or four times the value of the damage caused.

The specific means guaranteeing the protection of Vizcaya Bridge are legally and bindingly stipulated in Decree 108/2003, dated 20 May, declaring Vizcaya Bridge to be a Qualified Cultural Heritage in the Monument category (Appendix 1. Document 7) and establishing its rules of protection. The also brings the Listed Cultural Asset dossier with category of Monument in favour of the «Vizcaya» Bridge, located in Portugalete and Getxo (Bizkaia), in line with the stipulations of Law 7/1990 on Basque Cultural Heritage.

The most outstanding provisions of these rules of protection establish the limitations of the uses permitted (art. 6), general requirements (art.8), specific intervention criteria (arts. 10, 11 and 12) in addition to the actions expressly forbidden with respect to the Bridge and its surroundings (art. 9). In accordance with art. 28 of the Basque Cultural Heritage Act, the town planning instruments for the municipalities of Getxo and Portugalete must respect the specific rules of protection of Vizcaya Bridge, in any case obtaining a favourable report from the Basque Government's Department of Culture with respect to all that affecting the Bridge.

Regarding tutelage and safeguarding of the area around Vizcaya Bridge, the declaration of «Protected urban area» is similarly immediately applicable to «quay Tomás Olábarri together with Zubiko Enparantza and Evaristo Churruca quay, park and breakwater» approved in art. 11.4.7.3. of the Getxo Town Development Plan, dated 18 January 2000 (OGB 141, dated 23 July 2001) (Appendix 1. Document 3), the fulfilment and sanction for offence of which is controlled by Getxo Town Council.

Likewise applicable to the riverbank corresponding to Portugalete are the Portugalete By-laws and Town Development Plan approved on 21 May 1991 (OGB 133, dated 11 June 1991 and OGB 75, dated 21 April 1994), and particularly the appendix to art. 16.107,108 and following, qualifying as singular elements the Transporter Bridge and its moorings, in addition to the streets in its protected surrounding area, regarding not only the specific conservation of the monument, but

also expressly the environmental values of its surroundings (Appendix 1. Document 2) to be protected by Portugalete Town Council itself.

Source: Nomination file; 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

All the elements of the Bridge are located on fully consolidated land of urban typology or public domain in a port area with dikes.

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

No comment.

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

Private ownership/management

If 'Other', please specify

State owned, privately operated

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

Other (please specify below)

A management plan based on deontological criteria

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

It is about maintaining the integrity of the monument, preserving its functionality, resorting to all the possibilities offered by current technology and preserving the merit of the craftsmanship.

5.3.4 - Management Documents

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?

The 2011 Recommendation on the Historic Urban Landscape is **not relevant** to this property

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

It has coincided mainly with the aspects of cultural dissemination (schools, competitions, contests) and with the approach to environmental sustainability

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?

Some 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:

Systems have been developed to measure the deformation of the structure during the hottest hours, using green lasers

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

No comment

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 **coordination** between the range of administrative bodies involved in the management of the property, **but it could be improved**

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 | ✗ | | | | |
| 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 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

Very good relations are maintained with merchants and tourist agents.

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

In general, at the national level it works well, but help is needed to strengthen international relations, for example the World Association of Transporter Bridges to achieve the serial inclusion of the bridges that would boost their knowledge

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) | 0 % | 0 % |
| 6.1.1.7 | Governmental (regional/provincial/state) | 0 % | 4 % |
| 6.1.1.8 | Governmental (local/municipal) | 0 % | 0 % |
| 6.1.1.9 | In-country donations (NGOs, foundations, etc.) | 0 % | 0 % |
| 6.1.1.10 | Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.) | 0 % | 24 % |
| 6.1.1.11 | Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.) | 0 % | 72 % |
| 6.1.1.12 | Other | 0 % | % |
| | | Total 0 % | Total 100 % |

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

There are some propaganda sources that decrease each year accounting 5%

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

the Bridge is owned by the state but it is managed by a limited company through an administrative concession for a period (now, 30 years that will expire in 2025) so it would be convenient to have a formula for "large interventions".

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 | 52 % | 0 % |
| 6.1.6.2 | Women | 48 % | 0 % |
| | | Total 100 % | Total 0 % |

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 | Good |
| 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?

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

the workforce is highly motivated to explain the values of the Bridge to both regular and occasional customers

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

there is a notable intervention activity in Congresses, Conferences and Competitions, in book publishing and with a very fresh web page.

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

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 **limited and ad hoc education** and awareness programme for children and/or youth

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

| |
|---------------------------------|
| Local/municipal authorities |
| Youth/children |
| Researchers |
| Local Visitors |
| National/international tourists |
| Tourism industry |
| NGOs |

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 | Not provided but needed |
| Site museum | Not provided but needed |
| Information booths | Poor |
| Guided tours | Fair |
| Trails/routes | Fair |
| Printed information materials | Fair |
| Online (website, social media, etc.) | Good |
| Transportation facilities | Good |
| Other | Fair |
| If 'Other' is selected, please specify | relation to the seven remaining bridges |

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

the biggest shortcoming is that there is no interpretation center or museum

9. Visitor Management

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

70.000 / 43.200 / 20.000 / 62.000 / 60.000 /

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 to three hours

9.4 - Please provide the source of information

our promotion department

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

60 / 30 / 10 / 10 / 0 / 5 /

9.6 - Please provide the source of information

our promotion department

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

it is about accommodating the flow of visits to the limit of 50 people simultaneously

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

whith our owntools

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 Outstanding Universal Value of the property **is adequately presented and interpreted**

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?

Yes

If 'Yes', please specify

combined visits to museums

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

Yes

If 'Yes', please specify

hotels, restaurants and shops

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

an interpretation center is missing

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 **considerable monitoring** but it is not directed towards management needs and/or improving the understanding of 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** but **monitoring of the status of indicators could be improved**

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

number of travelers, number of visitors, number of trips, unforeseen stops, expenses and investments, number of claims...

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

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

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.

The Bridge is located in a fully urbanized and consolidated environment, being a main element of the landscape without threats due to development, it is very important for its conservation that it continues to function at a lively pace and that its steel structure is periodically reviewed

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

The bridge always has been managed by the current private company and since 1996 by our Company, ending its commitment in 2025, so it is very important that the concession for its use and care be renewed on that date.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

| | | |
|--------|---|---|
| 5.3 | Management System/Management Plan | |
| 5.3.7 | Some 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 | ✗ |
| 5.3.11 | There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved | ✗ |
| 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 limited and ad hoc education and awareness programme for children and/or youth | ✕ |
| 10 | Monitoring | |
| 10.1 | There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value | ✕ |
| 10.2 | Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved | ✕ |

Please select 0 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

| | | | | | | | |
|---------------|---|---|--|---|--|---|--|
| 4.2 | Transportation Infrastructure | | | | | | |
| 4.2.2 | Underground transport infrastructure | Not criteria but funding could be affected | the possible future construction of a subfluvial tunnel would directly threaten the income that allows to care for and operate the Bridge, It will be necessary to resort to public aid as in other Patrimonyas. | This can be resolved in the next 5 years | From five to ten years | Pending political issues | It is a more political question than one of transport structure |
| 4.7 | Local conditions affecting physical fabric | | | | | | |
| 4.7.3 | Temperature | the increasing heat dilates essential parts of the structure and its functioning suffers; the electronics also suffer causing response failures | work is underway to change the support cables, elongated for new ones and electronics that are more resistant to heat, humidity and electromagnetic actions are being prepared | the measurements are continuous and carried out by the in-house team, as well as others carried out by external | The issue of cables should be addressed in the next five years | We are collaborating with the municipalities involved, with the port authority and the Ministry of Public Works | A technical document estimating restoration cost and time will be available this spring. |
| 4.10 | Climate change and severe weather events | | | | | | |
| 4.10.6 | Temperature change | Those cited above | lighten the loads | measurements during the day (not only at night) | monthly and in acute cases | own team and external consultant | the situation worsens in the last 10 years |
| 4.13 | Management and institutional factors | | | | | | |
| 4.13.5 | Financial resources | The bridge requires a comprehensive review that can only be undertaken with the determined support of public institutions | Continue reporting periodically to the institutions, and preparing a draft of constructive action | Pending discussion of the different solutions proposed with the Administrations | 5 years | We are underway in the first step of the draft | The solutions are not standard and therefore engineering is subject to many discussions. |

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 | Some use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property | In the last 15 years, variable geometric parameters have been measured with temperature | Monthly measurements and on the hottest days | Daily data collection and monthly reports with extension on the hottest days with specific action plans | The staff is trained and attentive to heat waves and other physical phenomena that may affect the service |
| 5.3.9 | No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property | Non applicable | Non applicable | Non applicable | Non applicable |
| 5.3.11 | There is coordination between the range of administrative bodies involved in the management of the property, but it could be improved | We are coordinated with all administrations and especially in emergency situations | Regular meetings with the competent administrations | Annual meetings with institutions, sharing processes together | Generally all our information is well received but sometimes the support does not arrive |

| | | | | | |
|--------|--|---|---|---|--|
| 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 | The bridge needs a comprehensive revision in the next 5 years, requiring funds from institutions to guarantee its indefinite conservation | We are drafting the initial base document for this future process | Future milestones depend on institutions | The decided support of the Institutions is necessary to guarantee the conservation of the bridge |
| 6.1.7 | Human resources partly meet the management needs of the World Heritage property | Human resources are adequate for the services provided but always with training plans | Human resources adjust to the needs of the service at all times | Human resources increase for the summer with massive tourist visits | Demographic decline, excessive heat are double threats in terms of adequate personnel |
| 6.1.10 | No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property | The bridge will lose its transport function to increase its cultural value and dissemination | It is a countdown due to the demographic fall, and due to competitions from other mobility services | We foresee a smooth but unpredictable drop in the transport trend | More and more emphasis is placed on cultural aspects |

| | | | | | |
|-----|--|--|---|--|--|
| 8 | Education, Information and Awareness Building | | | | |
| 8.2 | There is a limited and ad hoc education and awareness programme for children and/or youth | In addition to physical visits, we have an ambitious book publishing program, and participation in newspapers, radio stations, conferences, etc. | Dissemination in schools, cultural meetings, and this year the celebration of the 130th Anniversary | Agenda set annually with special interest in schools and social exclusion groups | Every year the attention to these objectives is more dense |
| 10 | Monitoring | | | | |

| | | | | | |
|------|--|--|---|---|--|
| 10.1 | There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value | We constantly remember the OUV of the bridge in all our interventions and publications | Dissemination of the VUE in physical spaces for greater knowledge | Reviews and improvements every year | The training of the human team is important |
| 10.2 | Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved | After the pandemic, the numbers of visits are recovering, which is understood as an assessment of the merits of the bridge, emphasizing its values | Greater visibility of values in physical spaces | Establishment of knowledge indicators of the OUV, in our annual surveys | Undoubtedly, the exceptional universal value is the greatest claim for visits and the enhancement of the monument. |

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 impacted by factors described in this report, but this situation is being addressed through effective management actions.**

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.

devoting resources to a working industrial infrastructure is absolutely normal; In this sense, the bridge needs two types of attention, one permanent and the other every several decades.

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 | Positive |
| Management effectiveness | Positive |
| Quality of life for local communities and indigenous peoples | Not applicable |
| Recognition | Positive |
| Education | Positive |
| Infrastructure development | Positive |
| Funding for the property | No impact |
| 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 | No impact |
| 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 | as a model of transport that disappeared prematurely, but a century later it is interesting again |

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

The bridge has fulfilled a very important social function for 130 years, it is a model as a sustainable development objective, it is beautiful and it responds to new technologies and challenges with an admirable resilience.

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

The bridge is an industrial creation from the 19th century that, before appearing on the World Heritage lists and also since 2006, continues to be an example of the protection of its initial values. It is recognized, visited and loved by society and managed professionally by the company in charge

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

| |
|-------------------------|
| Sustainable Development |
| Synergies |
| State of Conservation |
| Management |
| Governance |

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 World Heritage Convention |
| The concept of Outstanding Universal Value |
| The property's Outstanding Universal Value |
| The concept of Integrity and/or Authenticity |
| The property's Integrity and/or Authenticity |
| Management effectiveness to maintain the Outstanding Universal Value |
| Monitoring and reporting |

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

| | |
|--|------|
| State Party | Good |
| Site Managers | Good |
| UNESCO World Heritage Centre | Good |
| Advisory Bodies (ICOMOS, IUCN, ICCROM) | Good |

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?

| |
|--|
| Revision of priorities/strategies/policies for the protection, management and conservation of heritage |
| Update of management plans |
| Fundraising |
| Awareness raising |

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

It would be interesting to know the data of similar sites and with another type of management

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 |
| Staff from other World Heritage properties |
| Local communities |
| External experts |

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

Gender balance is explicitly considered and effectively 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

| |
|-----------------------------------|
| two months / one day / six days / |
|-----------------------------------|

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

| | Additional resources | No | Yes |
|----------|--|----|-----|
| 15.3.5.1 | Human resources | | ✗ |
| 15.3.5.2 | Financial resources for organizing consultation meetings/ training | ✗ | |

15.4. Format and content of the Periodic Report

15.4.1 - How accessible was the information required to complete this questionnaire?

Most required information was accessible.

15.4.2 - Was the questionnaire easy to use and clear to understand?

| | | Very Difficult | Difficult | Easy | Very easy |
|----------|------------------------------|----------------|-----------|------|-----------|
| 15.4.2.1 | Ease of use of questionnaire | | | ✗ | |
| 15.4.2.2 | Clarity of questions | | ✗ | | |

15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire

improve passwords system

15.5. Training and Guidance

15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

| | |
|--------------------------------------|------------|
| UNESCO World Heritage Centre | No support |
| UNESCO (other sectors/field offices) | No support |
| UNESCO National Commission | No support |
| 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 (e.g. field office) | Poor |
| National Commission for UNESCO | Not applicable |
| ICOMOS International | Not applicable |

| | |
|-------------------------------|----------------|
| ICCROM International/regional | Not applicable |
| ICOMOS national/regional | Not applicable |
| IUCN national/regional | Not applicable |
| IUCN International | Not applicable |

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

Yes

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

it was adequate

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

- **Name of World Heritage property**

Reason for update: By the state Law 19/2011, the name Vizcaya changed to Bizkaia

- **Map(s)**

Reason for update: The maps of the property are currently being updated in the framework of the Restrospective Inventory initiative at the request of the World Heritage Center by letter of 16th December 2022.

Changes to these items will need to go through the proper processes.

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

The Bizkaia bridge retains its exceptional universal value because it continues to provide the transport service for which it was created. This implies interventions of a certain scope, such as the possible need to replace its 8 main cables in the medium term.

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