

1. World Heritage Property Data

1.1 - Name of World Heritage Property

Cathedral, Torre Civica and Piazza Grande, Modena

1.2 - World Heritage Property Details

State(s) Party(ies)

- Italy

Type of Property

cultural

Identification Number

827

Year of inscription on the World Heritage List

1997


1.3 - Geographic Information Table

Name	Coordinates (latitude/longitude)	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Cathedral, Torre Civica and Piazza Grande, Modena	44.646 / 10.926	1.2	1.1	2.3	1997
Total (ha)		1.2	1.1	2.3	

Comment

According to Municipality of Modena map, coordinates are: N 44 38 50; E 10 55 37. Property: ha 12,64. Buffer zone: 10,99. Total 23,63.

1.4 - Map(s)

Title	Date	Link to source
Cathedral, Torre Civica and Piazza Grande, Modena	26/02/2009	

Comment

Correct legend of the map is: 3. Canoniche - Musei del Duomo

1.5 - Governmental Institution Responsible for the Property

- Adele Cesi
Ministero per i Beni e le Attività Culturali
Funzionario
Ufficio Patrimonio Mondiale UNESCO, Segretariato Generale - Servizio 1

1.6 - Property Manager / Coordinator, Local Institution / Agency

- Francesca Piccinini
Modena Municipality - Museo Civico d'Arte
Direttrice Museo Civico d'Arte

Comment

Telephone: +30 059 2033109 / 2033122

1.7 - Web Address of the Property (if existing)

1. [Comune di Modena](http://www.comune.modena.it)

Comment

www.unesco.modena.it

1.8 - Other designations / Conventions under which the property is protected (if applicable)

2. Statement of Outstanding Universal Value

2.1 - Statement of Outstanding Universal Value / Statement of Significance

Comment

The Statement of Outstanding Universal Value has been revised in compliance with the new format, based on the Decision 34 COM 10B.3 of the World Heritage Committee in 2007. It is currently subject to the evaluation of Advisory Bodies.

2.2 - The criteria (2005 revised version) under which the property was inscribed

(i)(ii)(iii)(iv)

2.3 - Attributes expressing the Outstanding Universal Value per criterion

No comments.

2.4 - If needed, please provide details of why the Statement of Outstanding Universal Value should be revised

The Statement of Outstanding Universal Value has been revised in compliance with the new format, based on the Decision 34 COM 10B.3 of the World Heritage Committee in 2007. It is currently subject to the evaluation of Advisory Bodies.

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

The Statement of Outstanding Universal Value has been revised in compliance with the new format, based on the Decision 34 COM 10B.3 of the World Heritage Committee in 2007. It is currently subject to the evaluation of Advisory Bodies.

3. Factors Affecting the Property

3.14. Other factor(s)

3.14.1 - Other factor(s)

1) Subsidence, potentially influenced by soil dryness or climate change. 2) Human factors, such as acts of vandalism. Note: the lack of wind (3.7.1) causes the build-up of atmospheric particulates, while high levels of humidity favour particulate deposits on the surface of monuments; parasites (3.7.7) caused by the presence of numerous birds call for constant cleaning throughout the area; stricter anti-seismic measures (3.11.2) are currently being deployed in the wake of the May 2012 earthquake

3.15. Factors Summary Table

3.15.1 - Factors summary table

	Name	Impact						Origin
3.1	Buildings and Development							
3.1.2	Commercial development							
3.1.5	Interpretative and visitation facilities							
3.2	Transportation Infrastructure							
3.2.1	Ground transport infrastructure							
3.2.4	Effects arising from use of transportation infrastructure							
3.3	Services Infrastructures							
3.3.5	Major linear utilities							
3.4	Pollution							
3.4.3	Surface water pollution							
3.4.4	Air pollution							
3.7	Local conditions affecting physical fabric							
3.7.2	Relative humidity							
3.7.3	Temperature							
3.7.4	Radiation/light							
3.7.5	Dust							
3.7.6	Water (rain/water table)							
3.7.7	Pests							
3.7.8	Micro-organisms							
3.8	Social/cultural uses of heritage							
3.8.1	Ritual / spiritual / religious and associative uses							
3.8.2	Society's valuing of heritage							
3.10	Climate change and severe weather events							
3.10.3	Drought							
3.10.6	Temperature change							
3.10.7	Other climate change impacts							
3.11	Sudden ecological or geological events							
3.11.2	Earthquake							
3.12	Invasive/alien species or hyper-abundant species							
3.12.2	Invasive/alien terrestrial species							
3.13	Management and institutional factors							
3.13.1	Low impact research / monitoring activities							
3.13.3	Management activities							
Legend	Current	Potential	Negative	Positive	Inside	Outside		

3.16. Assessment of current negative factors

3.16.1 - Assessment of current negative factors

	Spatial scale	Temporal scale	Impact	Management response	Trend	
3.1	Buildings and Development					
3.1.2	Commercial development	extensive	frequent	minor	no capacity and / or resources	increasing
3.2	Transportation Infrastructure					
3.2.1	Ground transport infrastructure	localised	on-going	significant	low capacity	static
3.2.4	Effects arising from use of transportation infrastructure	extensive	on-going	significant	low capacity	increasing

		Spatial scale	Temporal scale	Impact	Management response	Trend
3.3	Services Infrastructures					
3.3.5	Major linear utilities	localised	on-going	significant	low capacity	static
3.4	Pollution					
3.4.3	Surface water pollution	widespread	frequent	significant	low capacity	decreasing
3.4.4	Air pollution	widespread	frequent	significant	low capacity	static
3.7	Local conditions affecting physical fabric					
3.7.2	Relative humidity	widespread	frequent	significant	no capacity and / or resources	static
3.7.3	Temperature	widespread	intermittent or sporadic	minor	no capacity and / or resources	static
3.7.4	Radiation/light	widespread	one off or rare	minor	no capacity and / or resources	static
3.7.5	Dust	widespread	frequent	significant	low capacity	static
3.7.6	Water (rain/water table)	widespread	intermittent or sporadic	significant	medium capacity	static
3.7.7	Pests	localised	intermittent or sporadic	significant	high capacity	decreasing
3.7.8	Micro-organisms	extensive	frequent	significant	high capacity	decreasing
3.8	Social/cultural uses of heritage					
3.8.2	Society's valuing of heritage	extensive	on-going	minor	low capacity	increasing
3.11	Sudden ecological or geological events					
3.11.2	Earthquake	widespread	one off or rare	significant	medium capacity	increasing
3.12	Invasive/alien species or hyper-abundant species					
3.12.2	Invasive/alien terrestrial species	widespread	on-going	minor	low capacity	static

3.17. Comments, conclusions and / or recommendations related to factors affecting the property

3.17.1 - Comments

Conservational problems may be noted linked to possibility of earth-quake, hydrogeologic risk and urban pollution, caused by heating systems and transport. There are also problems linked to passage of trolleybus in front of the cathedral and to intense and not always suitable use made of Piazza Grande for both cultural and commercial events: the intention is to provide a managerial response with regard to this issue through the Regulation of the Site, currently being prepared.

4. Protection, Management and Monitoring of the Property

4.1. Boundaries and Buffer Zones

4.1.1 - Buffer zone status

There is a buffer zone

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

The boundaries of the World Heritage property are **adequate** to maintain the property's Outstanding Universal Value

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

The buffer zones of the World Heritage property **do not limit** the ability to maintain the property's Outstanding Universal Value **but they could be improved**

4.1.4 - Are the boundaries of the World Heritage property known?

The boundaries of the World Heritage property are known by both the management authority and local residents / communities / landowners.

4.1.5 - Are the buffer zones of the World Heritage property known?

The buffer zones of the World Heritage property are known by the management authority but **are not known by local residents / communities/landowners.**

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

The Regulation currently being prepared aims to create an environmental protection zone around the site, and to extend the buffer zone also to the portion of the via Emilia running along the northern edge of the Site using the town-planning means available to Modena City Council.

4.2. Protective Measures

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

Some old constrictions related to individual building in the Complex exist. In addition, Emilia Regional Body for Architectural heritage and Landscape recently started a preliminary action for an "acknowledgement of cultural interest" to the Complex, under the legislation currently in force (art.14 of OC 42/2004).

The Modena Municipality Land Use, by officially recognizing the area in March 2004 (see Annex 1, RUE Chart integrated by PSC and POC), is still the most complete preservation tool available, since it acknowledges the preservation areas identified by the Ministry Body and provides for the scientific and preservative renovation of the Cathedral, Torre Ghirlandina, and Palazzo Comunale. In addition, it ratifies some limitations in the possible destination of the buildings included in the area by only admitting service and multi-purpose uses. Finally, it establishes that changes in use destinations can only take place following the presentation of a Building Recovery Plan.

The Conservation constrictions on individual monuments already involved in preservation and renovation interventions, while also establishing control activities in the projects by Ministry Boards are listed below (please note that all of these shall be turned into a single, more complete piece of legislation reflecting the new condition of Unesco Site of the area):

1. Cathedral;
2. Civic Tower, also known as Ghirlandina;
3. Former Palazzo di Giustizia, now base of the Unicredit Banca (G.Ponti);
4. Palazzo Arcivescovile;
5. Some parts of Palazzo Comunale: Torre dell'orologio and remains of the ancient Palazzo medievale

Periodic Reporting Cycle 1 (2001-2006) Section 2

Source: [Periodic Reporting Cycle 1 \(2001-2006\)](#)

Submitted on Saturday, October 29, 2005

• Question 6.02

Some old constrictions related to individual building in the Complex exist. For further information see section 06.02. In addition, Emilia Regional Body for Architectural heritage and Landscape recently started a preliminary action for an "acknowledgement of cultural interest" to the Complex, under the legislation currently in force (art.14 of OC 42/2004).

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Comment

The updating of the protective measures has still not been carried out; therefore the most effective form of protection is still the General Plan (PRG) of Modena City Council (single text covering the PSC, POC and RUE norms, adopted as per City Council resolution No. 310, 3.3.1989 and subsequent amendments).

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

An adequate legal framework for the maintenance of the Outstanding Universal Value including conditions of Authenticity and / or Integrity of the World Heritage property exists but there are **some deficiencies in implementation**

4.2.3 - 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?

An adequate legal framework for the maintenance of the Outstanding Universal Value including conditions of Authenticity and / or Integrity of the World Heritage property exists but there are **some deficiencies in implementation**

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

The legal framework for the area surrounding the World Heritage property and the buffer zone provides **an adequate or better 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

4.2.5 - Can the legislative framework (i.e. legislation and / or regulation) be enforced?

There is **acceptable** capacity / resources to enforce legislation and / or regulation in the World Heritage property but some deficiencies remain

4.2.6 - Comments, conclusions and / or recommendations related to protective measures

The institution of an overall legal framework concerning the entire UNESCO Site and thus comprehensive of the open-air spaces would make it possible to guarantee adequate authenticity and integrity of the site; at any rate, the City Council is currently about to issue its Regulation of the Site, designed in particular to discipline the use of open spaces (Piazza Grande, but also Piazza Torre and the Cathedral forecourt) which will also be included as part of the General Plan (PRG) currently in force.

4.3. Management System / Management Plan

4.3.1 - Management System

A steering group formally constituted was set up in 2005; its mandate consisted of creating coordination among several bodies by different ways involved in site management activities: Municipality, City Section, Emilia-Romagna Regional Board, Ministry Boards for cultural, archaeological and architectonic heritage, Province. Its function consisted of drafting of the 2005-2007 Site Management Plan. The Management is consensual. In 2005, the Municipality administration committed in the drafting of a plan agreement with the Cathedral City Section, the three involved Ministry Boards - Architectural, Archaeological, and Cultural heritage Boards – and Modena Province, aimed at implementing the Management Plan.

Responsible for over-seeing the implementation of the management plan and monitoring its effectiveness are: Modena Municipality in collaboration with the Cathedral City Section, Emilia Romagna Body for Architectural heritage and Landscape, Emilia Romagna Body for archaeological heritage, Modena and Reggio Emilia Bodies for cultural heritage, Emilia-Romagna Regional Directive Board, and Modena Province.

Periodic Reporting Cycle 1 (2001-2006) Section 2

Source: [Periodic Reporting Cycle 1 \(2001-2006\)](#)

Submitted on Saturday, October 29, 2005

• Question 5.02

Steering group or similar management committee has been set up to guide the management of the site

• Question 5.03

Set up date: 2005

Function:

Drafting of the 2005-2007 Site Management Plan

Mandate: Creating a coordination among several bodies - - Municipality, City Section, Emilia-Romagna Regional Board, Ministry Boards for cultural, archaeological and architectonic heritage, Province - by different ways involved in site management activities

Constituted: formal

• **Question 5.04** Plans in place to set up a "steering group: Currently, the Municipality administration is committed in the drafting of a plan agreement with the Cathedral City Section, the three involved Ministry Boards - Architectural, Archaeological, and Cultural heritage Boards – and Modena Province, aimed at implementing the Management Plan currently being completed (As at October 2005).

• Question 5.05

Overall management system of the site

- Consensual management

Comment

With the Programme Agreement for the Management of the UNESCO Site dated 8.3.2012, the managerial structure of the Site was redefined with the institution of a Steering Committee and a Technical Committee made up of the same bodies as the previous Agreement (2005), the former with a piloting role and the latter with a technical-scientific role. These bodies, coordinated by Modena City Council, elaborated the 2012-2015 Management Plan, were officially adopted by the Council in January 2013.

4.3.2 - Management Documents

Comment

1) "Management Plan for UNESCO Site for the biennium 2008-2009", adopted by Modena City Council with Directive

No. 127, 18.3.2008. 2) "Management Plan for Modena UNESCO Site. 2012-2015 update", adopted by Modena City Council with Directive No. 2, 14.1.2013. English summary sent to WHC on 11.02.2014. 3) "Modena UNESCO Site. Management Plan. Monitoring 2012. Updated 2013", adopted by Modena City Council with Directive No. 299, 16.7.2013. All documents may be accessed from www.unesco.modena.it

4.3.3 - How well do the various levels of administration (i.e. national / federal; regional / provincial / state; local / municipal etc.) coordinate in the management of the World Heritage Property ?

There is coordination between the range of administrative bodies / levels involved in the management of the property **but it could be improved**

4.3.4 - 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

4.3.5 - Is the management system being implemented?

The management system is being **fully** implemented and monitored

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

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

4.3.7 - Please rate the cooperation / relationship with World Heritage property managers / coordinators / staff of the following

Local communities / residents	Non-existent
Local / Municipal authorities	Fair
Indigenous peoples	Non-existent
Landowners	Poor
Visitors	Poor
Researchers	Good
Tourism industry	Poor
Industry	Non-existent

4.3.8 - If present, do local communities resident in or near the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

Local communities have **some input** into discussions relating to management but no direct role in management

4.3.9 - If present, do indigenous peoples resident in or regularly using the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

No indigenous peoples are resident in or regularly using the World Heritage property and / or buffer zone

4.3.10 - Is there cooperation with industry (i.e. forestry, mining, agriculture, etc.) regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone?

There is contact but **little or no cooperation** with industry regarding the management of the World Heritage property,

buffer zone and / or area surrounding the World Heritage property and buffer zone

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

The 2012-15 management system foresees the start of a more participatory phase in the management of the Site through the involvement of various social interlocutors. The Site Regulation foreseen by the 2012-15 Management Plan currently being prepared is designed to provide stronger guarantees for the maintenance of the OUV and for a respectful and sustainable valorisation of the Site.

4.3.12 - Please report any significant changes in the legal status and / or contractual / traditional protective measures and management arrangements for the World Heritage property since inscription or the last Periodic report

There are no significant changes.

4.4. Financial and Human Resources

4.4.1 - Costs related to conservation, based on the average of last five years (relative percentage of the funding sources)

Multilateral funding (GEF, World Bank, etc)	0%
International donations (NGO's, foundations, etc)	0%
Governmental (National / Federal)	10%
Governmental (Regional / Provincial / State)	2%
Governmental (Local / Municipal)	24%
In country donations (NGO's, foundations, etc)	64%
Individual visitor charges (e.g. entry, parking, camping fees, etc.)	0%
Commercial operator payments (e.g. filming permit, concessions, etc.)	0%
Other grants	0%

4.4.2 - International Assistance received from the World Heritage Fund (USD)

Comment

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

There is **no budget** for effective management of the World Heritage property despite an identified need

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

Existing sources of funding are **not secure**

4.4.5 - Does the World Heritage property provide economic benefits to local communities (e.g. income, employment)?

Potential economic benefits are recognised and plans to realise these are being developed

4.4.6 - Are available resources such as equipment, facilities and infrastructure sufficient to meet management needs?

There are **adequate** equipment and facilities

4.4.7 - Are resources such as equipment, facilities and infrastructure adequately maintained?

Equipment and facilities are **well maintained**

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

There is no UNESCO office in Modena: the Site coordination is housed in the offices of the Museo Civico. There is no budget for the UNESCO Site: the various stakeholders contribute financial resources to the Site from their own or funds raised through sponsorship deals. (over the last five years, donations have come largely from the Fondazione Cassa di Risparmio di Modena bank) or thanks to specific projects (financing obtained through Law 77/06 on the support for Italian UNESCO Sites).

4.4.9 - Distribution of employees involved in managing the World Heritage property (% of total)

Full-time	0%
Part-time	100%

4.4.10 - Distribution of employees involved in managing the World Heritage property (% of total)

Permanent	85%
Seasonal	15%

4.4.11 - Distribution of employees involved in managing the World Heritage property (% of total)

Paid	80%
Volunteer	20%

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

A range of human resources exist, but these are **below optimum** to manage the World Heritage Property.

4.4.13 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines

Research and monitoring	Good
Promotion	Fair
Community outreach	Poor
Interpretation	Fair
Education	Fair
Visitor management	Poor
Conservation	Good
Administration	Fair
Risk preparedness	Fair
Tourism	Poor
Enforcement (custodians, police)	Poor

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

Research and monitoring	Low
Promotion	Low
Community outreach	High
Interpretation	Low
Education	Low
Visitor management	High
Conservation	Low

Administration	Medium
Risk preparedness	Low
Tourism	High
Enforcement (custodians, police)	Medium

4.4.15 - Do the management and conservation programmes at the World Heritage property help develop local expertise?

A capacity development plan or programme is **in place and fully implemented**; all technical skills are being transferred to those managing the property locally, who are assuming leadership in management

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

The limited capacity for managing visitors and tourism is linked to a more general situation concerning the Modenese territory as a whole, which struggles to come to the fore as a tourist destination in the field of sustainable cultural tourism. A plan for the development of tourist management capacities is also included in the 2012-2015 Management Plan, the results of which are still under review.

4.5. Scientific Studies and Research Projects

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

Knowledge about the values of the World Heritage property is **sufficient**

4.5.2 - 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

4.5.3 - Are results from research programmes disseminated?

Research results are **shared with local participants and some national agencies**

4.5.4 - Please provide details (i.e. authors, title, and web link) of papers published about the World Heritage property since the last Periodic Report

- R. Cadignani (a cura di), La torre Ghirlandina, un progetto per la conservazione, Roma 2009 - R. Cadignani (a cura di), La torre Ghirlandina, storia e restauro, Roma 2010 - F. Benassi, D. Labate, Modena, Cripta del Duomo. Strutture e depositi archeologici di età medievale, in "Atti e Memorie della Deputazione di Storia Patria per le Antiche Provincie Modenesi", s. XI, XXXIII, 2011, pp. 456-457. - D. Labate, L. Malnati, Il sottosuolo di Modena e la salvaguardia del patrimonio archeologico, in "Geologia dell'ambiente" 2/2010, pp. 22-33. - D. Labate, Modena, Piazza Torre-Piazza Grande. Strada romana e stratificazione dall'età romana all'età medievale, in "Atti e Memorie della Deputazione di Storia Patria per le Antiche Provincie Modenesi", s. XI, XXXIV, Modena 2012, pp. 392-393. - D. Labate, Modena, Duomo.

Resti della cattedrale alto medievale e stratificazioni, in "Atti e Memorie della Deputazione di Storia Patria per le Antiche Province Modenesi", s. XI, XXXIV, Modena 2012, pp. 405-406. - G. Polidori, Il duomo di Modena "capolavoro del genio creatore umano". Il restauro del paramento lapideo, Restauri in Emilia-Romagna, attività degli istituti mibac nel 2008, Atti del Convegno organizzato dalla Direzione Regionale, per i Beni Culturali e Paesaggistici dell'Emilia-Romagna, (Ferrara, 25-28 marzo 2009) a cura di Paola Monari e Andrea Sardo - Modena: la torre Ghirlandina, un cantiere aperto alla città, Ananke, gennaio 2010, editrice Alinea. - A. Peroni, La cripta del Duomo di Modena e l'avvio della costruzione dell'architetto Lanfranco, in "Westfalen", vol. 87 (2009) p. 13-42 - F. Sandrolini, E. Franzonia, E. Sassonia, P.P. Diotallevi, The contribution of urban-scale environmental monitoring to materials diagnostics: A study on the Cathedral of Modena (Italy), in "Journal of Cultural Heritage", 12 (2011), pp. 441-450 - E. Silvestri, Una rilettura delle fasi costruttive del Duomo di Modena, in "Atti e Memorie della Deputazione di Storia Patria per le antiche province modenesi, Aedes Muratoriana, s. XI, XXXV, Modena 2013, 117-149. - La torre Ghirlandina, il restauro e il terremoto, in "Atti della società dei naturalisti e matematici di Modena", Vol CXLII, ottobre 2012

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

The book 'Modena Cathedral. Studies, restoration and research', edited by the Regional Directorate of Emilia Romagna is currently being prepared. The book will bring together the contributions of various specialists who have followed the restoration of the Cathedral over recent years. Publication of the book is planned for 2014.

4.6. Education, Information and Awareness Building

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

In **many locations and easily visible** to visitors

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

Local communities / residents	Poor
Local / Municipal authorities within or adjacent to the property	Poor
Local Indigenous peoples	Non-existent
Local landowners	Non-existent
Visitors	Average
Tourism industry	Poor
Local businesses and industries	Poor

4.6.3 - Is there a planned education and awareness programme linked to the values and management of the World Heritage property?

There is a planned education and awareness programme but it only **partly meets the needs** and could be improved

4.6.4 - What role, if any, has designation as a World Heritage property played with respect to education, information and awareness building activities?

World Heritage status has influenced education, information and awareness building activities, **but it could be improved**

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

The Outstanding Universal Value of the property is adequately presented and interpreted **but improvements could be made**

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

Visitor centre	Adequate
Site museum	Poor
Information booths	Not needed
Guided tours	Adequate
Trails / routes	Adequate
Information materials	Adequate
Transportation facilities	Adequate
Other	Not needed

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

There is a museum on the site but it is the Cathedral Museum, which does not currently illustrate the UNESCO Site to best effect. A specific teaching programme has been activated for schools starting in the academic year 2013-14. The 2012-2015 management plan foresees Site awareness-raising campaigns among the resident population, encouraging their participation and involvement.

4.7. Visitor Management

4.7.1 - Please provide the trend in annual visitation for the last five years

Last year	Major Increase (100%+)
Two years ago	Major Increase (100%+)
Three years ago	Major Increase (100%+)
Four years ago	Major Increase (100%+)
Five years ago	Major Increase (100%+)

4.7.2 - What information sources are used to collect trend data on visitor statistics?

Entry tickets and registries
Tourism industry

4.7.3 - Visitor management documents

Comment

Since 2005, a regular and ongoing monitoring of visitors has been carried out, through the tickets sold, where applicable: the Cathedral Museum, open all year; the Ghirlandina Tower, open at weekends between April and October. From the 7,000 visitors in 2008, by 2013 the figure had reached 15,000. Entrances to the Cathedral are not monitored, as it is too difficult to distinguish visitors from churchgoers.

4.7.4 - Is there an appropriate visitor use management plan (e.g. specific plan) for the World Heritage property

which ensures that its Outstanding Universal Value is maintained?

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

4.7.5 - Does the tourism industry contribute to improving visitor experiences and maintaining the values of the World Heritage property?

There is contact between those responsible for the World Heritage property and the tourism industry but this is largely **confined to administrative or regulatory matters**

4.7.6 - If fees (i.e. entry charges, permits) are collected, do they contribute to the management of the World Heritage property?

The fee is collected, but it makes **no contribution** to the management of the World Heritage property

4.7.7 - Comments, conclusions and / or recommendations related to visitor use of the World Heritage property

Despite the fact that visitors to the Modena monumental complex have risen constantly ever since the site was declared a World Heritage Site, including an increase in the numbers of foreign visitors to the town linked to its presence, tourist numbers remain somewhat limited and the income from tourism is not significant (enough) to finance the management of the site.

4.8. Monitoring

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

There is considerable monitoring but it is **not directed towards management needs** and / or improving understanding of Outstanding Universal Value

4.8.2 - Are key indicators for measuring the state of conservation used to monitor how the Outstanding Universal Value of the property is maintained?

Information on the values of the World Heritage property is sufficient and key indicators have been defined but **monitoring the status of indicators could be improved**

4.8.3 - Please rate the level of involvement in monitoring of the following groups

World Heritage managers / coordinators and staff	Average
Local / Municipal authorities	Poor
Local communities	Non-existent
Researchers	Average
NGOs	Non-existent
Industry	Non-existent
Local indigenous peoples	Non-existent

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

Implementation is **underway**

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

The recommendations formulated by the World Heritage Committee between June and July 2012, i.e. after the earthquake in the month of May, concerning the management of the seismic risk through the enhancement of monitoring systems and anti-seismic measures, as well as the perfection of emergency measures, is currently being deployed by the competent authorities and the proprietary bodies of the Site.

4.8.6 - Comments, conclusions and / or recommendations related to monitoring

The monitoring process was set up on an experimental basis as part of the 2012-2015 Management Plan: it must therefore be verified and perfected during the implementation of the Management Plan itself.

4.9. Identification of Priority Management Needs

4.9.1 - Please select the top 6 managements needs for the property (if more than 6 are listed below)

Please refer to question 5.2

5. Summary and Conclusions

5.1. Summary - Factors affecting the Property

5.1.1 - Summary - Factors affecting the Property

	World Heritage criteria and attributes affected	Actions	Monitoring	Timeframe	Lead agency (and others involved)	More info / comment	
3.2	Transportation Infrastructure						
3.2.4	Effects arising from use of transportation infrastructure	All	a) Access is granted to the Historic Centre only to residents and authorised productive activities b) The speed limit in the Historic Centre is 30kph c) The squares included in the perimeter of the UNESCO site will be pedestrianised	a) Control of access to the Historic Centre carried out using video cameras b) Checks are also made by the Local Police	a) For several years b) Since 01/03/2011 c) Since April 2014	Modena City Council	c) the pedestrianisation of the squares included in the perimeter of the UNESCO site is foreseen by the Regulation of the site currently being prepared by Modena City Council .
3.4	Pollution						
3.4.3	Surface water pollution	All	The causes of pollution of surface waters depend on the background level of pollution and as such are not controllable by Modena City Council	No monitoring	No timeframe	Modena City Council	No comments
3.4.4	Air pollution	All	In the Historic Centre: a) access is forbidden to non-EURO 4 vehicles. b) free circulation and parking is conceded only to electric vehicles, for which financial contributions are foreseen. c) Public transport is provided largely through the use of the trolley bus.	-Control of access to the Historic Centre through the use of video cameras - Monitoring of air quality 365 days a year through two fixed monitoring units.	a) since June 2012 b) since October 2013 c) since 2000	Modena City Council and the ARPA (Regional Agency of Emilia Romagna)	No comments
3.7	Local conditions affecting physical fabric						
3.7.2	Relative humidity	All	Outdoors, this factor is determined by the meteo-climatic situation on which it is not possible to intervene. In the interior of the cathedral there is an heating system.	No monitoring	No timeframe	- Modena City Council - Episcopal Chapter of Modena (Catholic Church)	The control of damages will be done with Maintenance Program now on study.
3.7.5	Dust	All	a) Traffic limitation across an area of 11 square km for older and diesel-powered vehicles. b) 'Eco-Sundays' with circulation forbidden to all vehicles except those with no emissions (i.e. electric vehicles).	-Monitoring of air quality 365 days /year through two fixed monitoring units - Checks carried out by the local Police	a) Since 2000, in the period January-March and October-December. b) Since 2000, first Sunday of April	Modena City Council and ARPA (Regional Agency of Emilia Romagna)	No comments
3.12	Invasive/alien species or hyper-abundant species						
3.12.2	Invasive/alien terrestrial species	All	Birth control of feral pigeons is regulated by the distribution of contraceptive feed (nicarbazin maize) in eight sites around the historic centre	Census carried out by the AUSL Veterinary Service at the start and end of the yearly control campaign	Throughout breeding season: from April to October	The Council uses an external company that deals with the distribution of maize from Monday to Friday	The control campaign has been in force since 2008 and has brought good results in terms of containing feral pigeon numbers and also parasites carried by pigeons, offering a more hygienic and decorous urban setting.

5.2. Summary - Management Needs

5.2.2 - Summary - Management Needs

4.1 Boundaries and Buffer Zones
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		Actions	Timeframe	Lead agency (and others involved)	More info / comment
4.1.5	The buffer zones of the World Heritage property are not known by local residents / communities/landowners	The UNESCO Coordination has produced and planned initiatives aimed at raising awareness of the UNESCO Site	Management plan 2012-2015	Modena City Council as the main referent, through the Coordination of the Site hosted at the Museo Civico d'Arte	No comments
4.3 Management System / Management Plan					
4.3.10	There is little or no cooperation with industry regarding management	The UNESCO Coordination has planned initiatives aimed at raising awareness of the UNESCO Site on the business sector.	Management plan 2012-2015	Modena City Council	The economic impact of the Site is limited: it is of a monumental nature and covers a very limited area; however, it is important to act on the business sector by raising awareness of the importance of having a UNESCO Site in the town.
4.4 Financial and Human Resources					
4.4.3	There is no budget for effective management	The financial management of the Modena UNESCO Site is handled by the two proprietary bodies: the Episcopal Chapter of Modena (Catholic Church) and the City Council	Due on needs and possibility to found necessary resources.	- Modena City Council - Episcopal Chapter of Modena (Catholic Church)	It would be important to have a specific budget available for the maintenance and valorisation of the Site
4.4.4	Existing sources of funding are not secure	The UNESCO Coordination workout specific project when it is possible	Due on specific opportunity: for example on Italian law 77/2006 "Misure speciali di tutela e fruizione dei siti italiani...", financed every year from 2006	- Modena City Council - Episcopal Chapter of Modena (Catholic Church)	Financing depends on contributions, and is linked to specific projects
4.7 Visitor Management					
4.7.5	Contact with the tourism industry is largely confined to administrative or regulatory matters	The UNESCO Coordination has implemented and planned initiatives aimed at raising awareness of the UNESCO Site, also aimed at the tourist sector.	Currently being prepared in Management Plan 2012-2015	Modena City Council	Until now, the tourist industry has focused on other aspects: sports cars, food and wine.
4.7.6	Fees collected makes no contribution to the management of the property	The UNESCO Site Regulation currently being prepared foresees that income from the fines applied should be reinvested in the Site.	Since April 2014	Modena City Council	Income is currently very limited, as only the Cathedral Museum and the Ghirlandina Tower charge an entrance fee, and tourist numbers are limited.

5.3. Conclusions on the State of Conservation of the Property

5.3.1 - Current state of Authenticity

The authenticity of the World Heritage property has been **preserved**

5.3.2 - Current state of Integrity

The integrity of the World Heritage property is **intact**

5.3.3 - Current state of the World Heritage property's Outstanding Universal Value

The World Heritage property's Outstanding Universal Value has been **maintained**.

5.3.4 - 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 **predominantly intact**

5.4. Additional comments on the State of Conservation of the Property

5.4.1 - Comments

Earthquake of 2012 ask new measures of structural consolidation, in particular for the cathedral. These measures are now on study and financial needs will be covered by State Party earthquake's funds and specific fund-raising projects.

6. World Heritage Status and Conclusions on Periodic Reporting Exercise

6.1 - 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	Positive
Quality of life for local communities and indigenous peoples	No impact
Recognition	Positive
Education	Positive
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	No impact
Political support for conservation	Positive
Legal / Policy framework	No impact
Lobbying	No impact
Institutional coordination	Positive
Security	No impact
Other (please specify)	No impact

6.2 - Comments, conclusions and / or recommendations related to World Heritage status

It would be very important to have a specific budget available for the maintenance and valorisation of the Site in order to safeguard the World Heritage Status. Unesco Coordination has to work on increasing awareness on politic side.

6.3 - Entities involved in the preparation of this Section of the Periodic Report

Governmental institution responsible for the property
Site Manager/Coordinator/World Heritage property staff

6.4 - Was the Periodic Reporting questionnaire easy to use and clearly understandable?

yes

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

No comments.

6.6 - Please rate the level of support for completing the Periodic Report questionnaire from the following entities

UNESCO	Good
State Party Representative	Good
Advisory Body	Good

6.7 - How accessible was the information required to complete the Periodic Report?

Most of the required information was accessible

6.8 - The Periodic Reporting process has 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
Managing the property to maintain the Outstanding Universal Value
Monitoring and reporting
Management effectiveness

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

UNESCO	Satisfactory
State Party	Satisfactory
Site Managers	Satisfactory
Advisory Bodies	Satisfactory

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

• **Statement of Outstanding Universal Value / Statement of Significance**

Reason for update: The Statement of Outstanding Universal Value has been revised in compliance with the new format, based on the Decision 34 COM 10B.3 of the World Heritage Committee in 2007. It is currently subject to the evaluation of Advisory Bodies.

• **Geographic Information Table**

Reason for update: According to Municipality of Modena map, coordinates are: N 44 38 50; E 10 55 37. Property: ha 12,64. Buffer zone: 10,99. Total 23,63.

• **Map(s)**

Reason for update: Correct legend of the map is: 3. Canoniche - Musei del Duomo

6.11 - Comments, conclusions and / or recommendations related to the Assessment of the Periodic Reporting exercise

Section Factors Affecting the Property is too much generic: it is impossible to describe factors really affecting the Unesco Site.