



WG3: Integration of HBs in their surroundings

Leader: Dr.Christian Degrygn and **Co-Leader:** Dr Anna Lobovikov-Katz

1. Profile of WG3 members

Current number of members	17: 7 (1 st choice) + 5 (1 st choice with another WG) + 5 (2 nd choice) + 4 originally listed from the kick-off meeting but who never responded to any of my message & 2 resigned
Number of countries represented	10
Nationalities	First choice: BE, EL, ES, FR, HR, I(2), IL, MT, PT (2), TR Second choice: EL, ES, I, LT, UK
Affiliation	Universities: 9 / Public entities: 4 / Private entities: 1
Qualification (doctoral degree)	93% are Prof. or Dr.
Fields of expertise	Management: 2; Documentation / survey: 3; Conservation / reuse / impact assessment: 9; Construction / innovation: 2; Social involvement: 1
Gender status	80% participation of female members (1 st choice)

There is no clear trend as regards the characteristics of the sites / HBs covered by the expertise of WG3 members. HBs and sites are from different periods, often they are listed but can be public or private. They can be either in urban or countryside environments.

- HBs or archaeological sites: HBs (12) / archaeological sites (8)
- Periods: archaeological (4) / antique (4) / medieval (4) / Renaissance (3) / modern (2)
- Listed or not : listed (6) / not listed (2)
- Urban or countryside: urban (9) / countryside (10)
- Public or private: public (7) / private (7)
- Parks / gardens (2)

More details are given in the Excel table attached: WG3_members datasheet.

2. WG3 topics and cross-topics to cover

HBs might be historical or archaeological, of different periods, public or private, urban or in the countryside, listed or not. They might be or not located in an outstanding position, reachable, well maintained, physically protected, illuminated and exposed to natural aggressive environments (seaside, windy area) or human pollution (industries, electric cables, wind turbines). They can combine diverse material deterioration and structural problems. HBs can be fully authentic, partly or entirely restored.



Innovative management of HBs aims at showing them in order that they give the visitors / local people a respectful vision of their condition state while providing useful information on their original appearance. In that sense the environment / surroundings and social appreciation are essential parameters to highlight the HBs.

Two main topics are considered in the following. One covers the integration of HBs themselves in their surroundings and the second is related to the way surroundings might be optimised to enhance the perception of HBs by the general public.

2.1. HBs integration: innovative materials / equipment to maintain or conserve HBs

a. *Well preserved parts of the HBs*

- Insulation (windows, openings, attics) and any related small works (drainage systems, etc.). Any intervention to optimise the management of HBs should be the less invasive possible (good integration). If invasive, are compromises possible? Replacement of damaged materials by new materials that are more efficient (plasters, tiles, etc.). These new materials should be sustainable and not produce side effects with unforeseen consequences on HBs.
- Discrete protections against lightning, heavy rains, fire, etc.

b. *Restored parts of the HBs*

- Making any restoration work legible: in the absence of any historical / archaeological documentation on the part to restore, use of different materials that can be visually distinguished from the original parts.
- Use of appropriate conservation materials (that are ageing well in the specific environmental condition of the HBs, etc.). For example copper sheets for roofs in non-industrial areas are recommended when original roofs are made of tiles since they patinate in brown and match the rest of the roofs.
- Artistic or political gesture: use of modern and invasive materials that might make the restored part a “piece of art” (open issue to discuss).

2.2. Optimising the surroundings to enhance the legibility of HBs

a. *On site*

- Virtual animation (movies) and enhanced/augmented reality (touch tablets): surroundings reconstructed virtually in cities or industrial areas; 3D reconstruction of external and internal elements with/without original decorations. Benefits vs limitations (philosophy, technology, ethical conservation issues).
- Illumination: scientific colouring of HB (example of Amiens and Poitiers cathedrals in France).
- Mediation by professionals (“à la carte” guided tours, tours involving locals that have been trained, with scientific content and/or showing restoration work, etc.).
- Information panels that are well positioned and not too invasive, particularly on ruins, with contact names of locals that can provide basic information on the site.

b. *From the distance*

- Illumination: to attract the attention of possible visitors.
- Information panels that are well positioned and not too invasive.
- Prospective position: the use of technology to anticipate and visualize sites to visit (visual simulations, geomatics, geographic information systems, etc.).

- Legislation and town planning policy: new and old diverse existing tools incl. specific decisions and town planning policy good practices and critical analysis (e.g. height policy for new construction in Jerusalem and many EU cities during three last decades of 20th century); formulation of the emerging needs and new recommendations.

Other topics will be considered:

- Legal protection of surroundings
- Modification / reshaping of surroundings
- Funding issues: the crisis has cut funds more and more and restoring HBs is more difficult. Still famous heritage sites attract sponsoring in a much easier way (even if it does not happen to every HB in cities like Rome for instance).
- Transport to the site if in open field and basic facilities for visitors.
- Issues related to the location of the HB (urban vs countryside).
- Parks and gardens.
- Prevention of any risk of biodeterioration from surroundings.

2.3. WG3 cross-topics with WG4

a. Involvement of local population / agencies / politicians

- Stopping the aggressiveness of the surroundings relies on the individual work of the regional responsible of HBs. How can we intervene?
- Actions to respect the HB and its environment: no construction that might disfigure the surroundings and in cities, respect of the rules imposed to buildings built around HBs.
- Participation of locals to events, historical re-enactments organised in HBs. Place of the intangible heritage in HBs?
- Mediation by professionals (“à la carte” guided tours, tours involving owners, with scientific content and/or showing restoration work, etc.).
- Training local people to become HBs managers.
- Involving local politicians to enhance HBs which are in their own territory.
- Creating a small, non-invasive book/coffee shop to increase the attractiveness of the site.

b. Social feedback

- Too much illumination might be counterproductive: for example churches in France have become dead sites. Their illumination in the night do not attract visitors: they are seen more like lighthouses.
- Innovation and education: innovation is not always appreciated as it should. It might require some explanation (materials used, conservation approaches).
- Innovation and respect. Innovation should not deteriorate the vision of HBs and its authenticity.
- Innovation and virtual reconstruction: should not be too invasive. The original parts of the HBs have to be emphasized and virtual reconstructions should be only used to better understand the original remains.
- Protection against damaging and stealing when HBs are in open field without any control¹; educating local population to respect even the ruins.

¹ e.g. international/EU INTERPOL and customs combined efforts

- Promotion of the research of public opinion/reflection on visual and functional integration of HBs in new environments (among conservation experts and general public).
- c. *Production of educational tools for all types of players and "users", from decision makers on all levels, to local communities (relevant to other WGs as well)*
 - E-learning,
 - On-site activities,
 - Blended learning,
 - Involving all levels of education system (from and through school to university) – international political campaign and decisions to develop and introduce inter-government policy is needed, because ministries of education and education systems are quite conservative en masse. At the same time, combined educational development by [conservation & education] experts is required, basing on the past research and good practices (e.g. Euromed Heritage Project "ELAICH").

3. Action strategy: Objectives, performance indicators and measures to implement

As described in the MoU, WG3 has eventually to produce a **public report** "Integration of HBs into their surroundings", which will focus on study and optimization of HBs integration into the urban and natural landscape. It will address preservation and valorisation of specific HBs' characteristics and features in order to preserve the original facet and make it as much as possible realistic concerning ages, history and other related characteristics.

As shown in Annex 1 that gives the milestones and deliverables of the COST TD1406 action, there are some key dates for WG3 in the next two years. These have been highlighted in the following table:

Year	Miles-tones	Work to achieve	Dates	WG event	Deliverables
1	M2	COST meeting on interoperability in HBs	October 07-08 2015	1 st WG meeting + 2 nd MC Porto, Portugal	WG3 meeting
	M3	1st think tank and Action meeting on heritage buildings and their surroundings	April 13-14 2016	2nd WG + 2nd CG meetings Riga, Latvia	Preparation of D4
	M4	In parallel to WG4 1st meeting on Heritage Buildings social engagement			
	M5	ESR/ECl workshop on Heritage Buildings	January 27-28 2016	Workshop Aguilar del Campo, SP	Contribution of WG3
		WG report and Action report	2nd semester	Report	D1
2	M6	Training school on interoperability in HBs	June 27-30 2016	Training school	Contribution of WG3
	M7	WG1 Think Tank and Action meeting on data collection and classification (Common Framework)	Nov 02-04 2016	3 rd WG meeting + 3 rd MC	W3 meeting
	M8	In parallel to WG2 Extended meeting with local, regional, countries and European authorities			
	M9	2nd Think tank and Action meeting on heritage buildings and their surroundings	March 21-23 2017	3rd CG meeting Nancy, France	Preparation of D4

M10	ESR/ECI workshop on Common Framework	March 21-23 2017	Workshop Nancy, France	
M11	Industrial day	March 21-23 2017	Nancy, France	

The **first draft of the public report (D4)** will have to be provided during the 5th semester of year 3 of the project. During semester 6 of the same year there will be a **public discussion on this draft version (M15)**. Eventually the **public report** will be published in year 4, seven semester (**D9**).

The production of the public report will take some time. Therefore we propose the following action strategy for WG3 to produce the report in due time.

3.1. Definition of a preliminary list of WG3 topics to cover within I2MHB

Based on the topics mentioned in section 2, a preliminary list of topics to develop within WG3 has to be finalised first. It will be preliminary since it will depend highly on the fields of expertise of the current WG members. Since more members might join in the near future, other topics will be added.

3.2. Development of the topics selected among the group of experts / countries represented in WG3

Each WG3 member will have to develop the topics selected according to his / her fields of expertise.

3.3. Widening to other experts / countries

Since only a few experts / countries are currently represented in WG3, we will have to enlarge our approach to other experts / countries

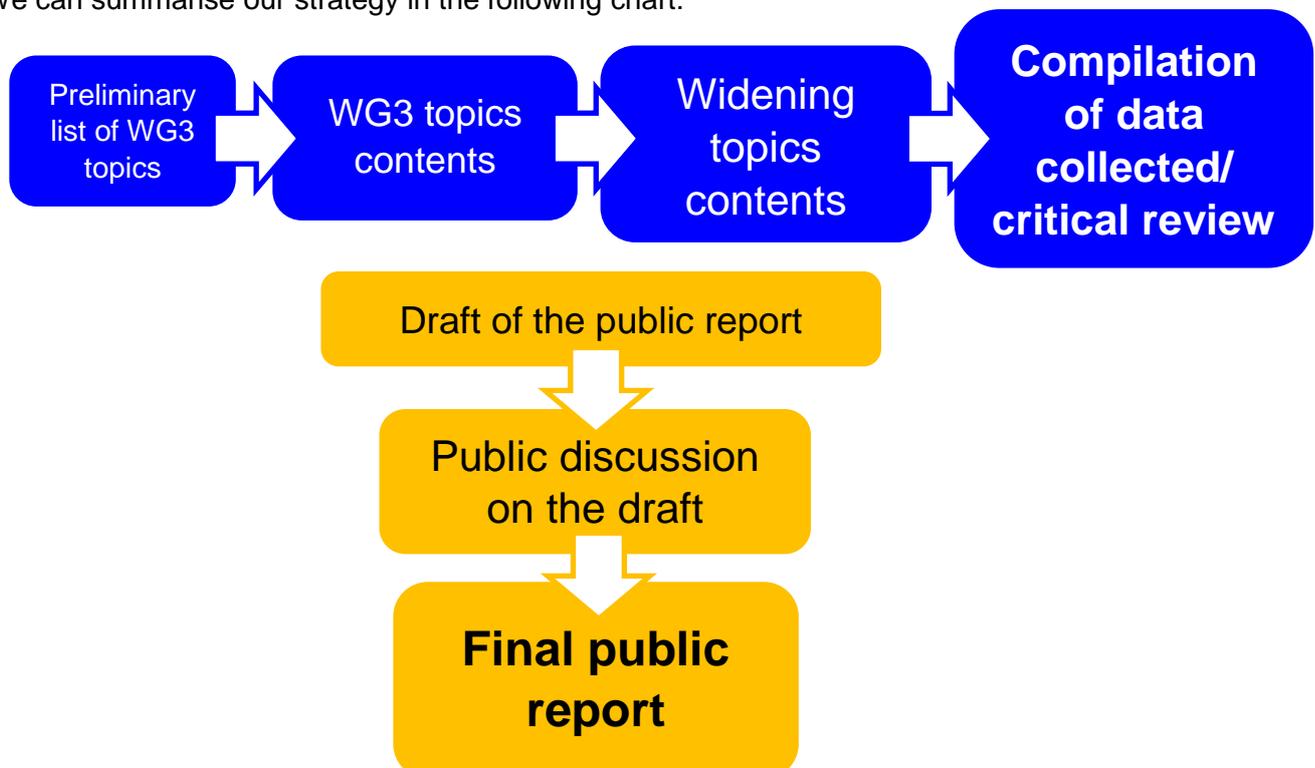
3.4. Compilation of data and critical review

The data collected will have to be compiled and critically reviewed to produce the first draft of the public report.

3.5. Public discussion on the first draft of the public report

3.6. Production of the final report

We can summarise our strategy in the following chart:





Actions 3.1 and 3.2 launched in Porto should be covered before the next WGs meeting in Riga (April 2016). This meeting will be the opportunity to widen the discussion on the contents of each WG3 topic selected (Action 3.3).

4. Task's coordinators inside WGs

In Porto different tasks will be assigned to the different members.

First WG3 leader and co-leader will share the coordination of activities with other WGs:

- Dr. Christian Degrigny: WG1 and WG2
- Dr. Anna Lobovikov-Katz: WG4 and WG5

Other tasks will be shared among other WG3 members.

5. Concrete actions, beside the ones considered in the Action budget

During the meeting in Porto we will have to discuss and define the way we would like our Think Tank group to be organised.



Annex 1

Milestones & deliverables

Year	Milestones	Work to achieve	Semesters	WGs involved	WG event	Deliverables
1	M1	Action's web portal set-up and functioning	1	All WGs		
	M2	COST meeting on interoperability in HBs	2- October 07-08 2015	WG2	1 st WG meeting + 2 nd MC Porto, Portugal	Preparation of D5 & D8
	M3	1 st think tank and Action meeting on heritage buildings and their surroundings	2- April 13-14 2016	WG3	2 nd WG + 2 nd CG meetings Riga, Latvia	Preparation of D4
	M4	1 st meeting on Heritage Buildings social engagement	2- April 13-14 2016	WG4	2 nd WG + 2 nd CG meetings Riga, Latvia	Preparation of D10
	M5	ESR/ECI workshop on Heritage Buildings	2- January 27-28 2016	All WGs	Workshop Aguilar del Campo, SP	
		WG report and Action report	2	All WGs	Report	D1
2	M6	Training school on interoperability in HBs	3- June 27-30 2016	All WGs	Training school	
	M7	Think Tank and Action meeting on data collection and classification (Common Framework)	4- Nov 02-04 2016	WG1	3 rd WG meeting + 3 rd MC	Preparation of D5, D7 & D8
	M8	Extended meeting with local, regional, countries and European authorities	4- Nov 02-04 2016	WG2	3 rd WG meeting + 3 rd MC	Preparation of D5
	M9	2 nd Think tank and Action meeting on heritage buildings and their surroundings	4- March 21-23 2017	WG3	3 rd CG meeting Nancy, France	Preparation of D4
	M10	ESR/ECI workshop on Common Framework	4- March 21-23 2017	All WGs	Workshop Nancy, France	
	M11	Industrial day	4- March 21-23 2017	All WGs	Nancy, France	
		WG report and Action report	4	All WGs	Report	D2
3	M12	Training school	5	All WGs	Training school	
	M13	Think Tank and Action meeting on Common procedures (Common Framework)	5	WG1	WG meeting	Preparation of D5, D7 & D8
		Report on the social engagement questionnaires	5	WG4	Report	D3



		Public Report on Integration of Heritage Buildings into their surroundings (Draft version)	5	WG3	Report	D4 (draft version) preparation of D7 & D9
	M14	Think Tank and Action meeting on new paradigms (Common Framework)	6	WG1	WG meeting	Preparation of D7
	M15	Public discussion on the Draft Version of the Public Report on Integration of Heritage Buildings into their surroundings	6	WG3	WG meeting	Preparation of D9
	M16	ESR workshop on Heritage Buildings social engagement	6	All WGs	Workshop	
	M17	2nd meeting on Heritage Buildings social engagement	6	WG4	WG meeting	Preparation of D10
		White book for interoperability	6	All WGs	Book	D6 Preparation of D7
		WG report and Action report	6	All WGs	Report	D5
4	M18	Training school	7	All WGs	Training school	
	M19	Industrial day	7	All WGs		
		Common Framework	7	WG1	Report	D7 (draft version)
		Proposal for specific standards / protocols	7	WG2	Report	D8
		Public Report on Integration of Heritage Buildings into their surroundings (Final version)	7	WG3	Report	D9
	M20	European conference on Heritage Buildings social engagement + proceedings	7	WG4	Conference	D10
	M21	ESR Workshop	8	All WGs	Workshop	
		WG report and Action report	8	All WGs	Report	D11
	M22	Final i2MHB Open Conference + printed proceedings	8	All WGs	Conference	D12
	M23	H2020 collaborative or network project proposal	8	All WGs	Proposal	D13
		Common Framework (Final version)	8	All WGs		D14