

Conservation and Development of Built Heritage								
Training for: ALL TARGET GROUPS; mainly 3 groups - 1/ staff of monuments boards, 2/ architects and engineers, 3/ local/regional governments (but also opened for: 4/craftsmen - advanced, 5/ owneres - experienced)								
Duration: 20 - 22 days (153 hours)								153
Place: AINova (SK), PÚSR (SK), NPÚ (CZ), FRUP (CZ), BDA-Kartause Mauerbach (AT) = all Project Partners and all Associated Partners. It can be extended to other entities and locations providing lifelong education in the f								
Module	Unit/Part	Titles of Units and Learning Parts	EQL	Form of education/training	Hours	Hours, subtotal per module		
M1	U1	Theoretical and methodical aspects of monuments care						
	U1.P1	Introduction to the history of monuments care	4	seminar	2			
	U1.P2	Theoretical aspects of monuments care, values of heritage	4	seminar	2			
	U1.P3	Current principles of methodological approach in monument care	4	seminar	2			
M1	U2	Legal and administrative aspects of monuments care						
	U2.P1	Relevant charters, international organisations	4	seminar	1			
	U2.P2	International protection of monuments - guidelines, recommendations, conventions, standards	4	seminar	2			
	U2.P3	Legal frameworks - monument law, standards and regulations at national level	4	seminar	2			
	U2.P4	Permission and administration processes (case studies, day-to-day practice)	4	seminar	3			
M1	U3	Art-history aspects						
	U3.P1	Applied history of arts and architecture, evolution of architectural styles - overview	4	seminar	3			
	U3.P2	Terminology of building structures and elements	4	seminar	2			
	U3.P3	National/regional characteristics of cultural landscapes and historical buildings	4	seminar	2	21		
M2	U4	Effective communication with stakeholders - WORKSHOP						
	U4.P1	Presentation and communication skills - introduction	5	lecture	1			
	U4.P2	Presentation and communication skills - role play	5	role play	2			
	U4.P3	Mediation in the field of cultural heritage, conflict management, negotiation - introduction	5	lecture	1			
	U4.P4	Mediation in the field of cultural heritage, conflict management, negotiation - role play	5	role play	2	6		
M3	U5	Building materials - properties, deterioration/damages and methods for repair and conservation						
	U5.P1	Basic physics of built heritage	4	seminar	2			
	U5.P2	Traditional building materials - mortars	4	seminar	4			
	U5.P3	Traditional building materials - paints	4	seminar	3			
	U5.P4	Traditional building materials - stone	4	seminar	2			
	U5.P5	Traditional building materials - ceramic	4	seminar	2			
	U5.P6	Traditional building materials - wood, glas, metal	4	seminar	2			
	U5.P7	Survey and diagnostic methods	4	seminar	2			
	U5.P8	Sensing the appearance of traditional buildings	5	guided tour	2			
	U5.P9	Traditonal building materials vs modern building materials	4	group work	2	21		
M4	U6	Historic structures and building parts - failures, diagnostic methods, repair and conservation						

	U6.P1	Traditional construction techniques - overview	4	seminar	3	
	U6.P2	Damages - physical/mechanical	4	seminar	2	
	U6.P3	Damages - biological and chemical	4	seminar	1	
	U6.P4	Methods of structural interventions on buildings	4	seminar	2	
	U6.P5	Methods of moisture and salt treatment	4	seminar	3	
	U6.P6	Masonry, plaster, facade	4	seminar	4	
	U6.P7	Vaults, domes and arches	4	seminar	2	
	U6.P8	Building openings	4	seminar	3	
	U6.P9	Floors, ceilings and stairs	4	seminar	2	
	U6.P10	Heating systems and chimneys	4	seminar	1	
	U6.P11	Roofs - roof coverings and tinkering elements	4	seminar	2	
	U6.P12	Roofs - trusses	4	seminar	2	
	U6.P13	Metal constructions and building parts	4	seminar	2	
	U6.P14	Maintenance concepts - care and repair, sustainability , preventive measures	4	seminar	3	32
M5	U7	Current requirements for building operation and use				
	U7.P1	Accessibility, barriere free design, elevators	5	seminar	2	
	U7.P2	Safety and fire management	5	seminar	2	
	U7.P3	Technical infrastructure - water, sewage, lighting, heating and cooling	5	seminar	2	
	U7.P4	Energy efficiency and sustainability	4	seminar	3	
	U7.P5	Best practices - case studies. Case study for the group work	5	seminar	2	
	U7.P6	Energy efficiency and sustainability - group work (proposing solutions for a chosen building)	5	group work	3	14
M6	U8	Aspects and methodology of reconstruction of selected types of building heritage				
	U8.P1	Ruins/torsal architecture	4	seminar	2	
	U8.P2	Sacral architecture	4	seminar	2	
	U8.P3	Town houses, mansions and manor houses	4	seminar	2	
	U8.P4	Modern architecture	4	seminar	2	
	U8.P5	Industrial and technical heritage	4	seminar	2	
	U8.P6	Vernacular/folk architecture	4	seminar	2	
	U8.P7	Historic parks and gardens, cultural landscape	4	seminar	2	
	U8.P8	Introduction to archeological heritage	4	seminar	2	16
M7	U9	Built heritage in urban planning and development				
	U9.P1	Strategies and possibilities in presentation of monuments (restoration goals and transmisson of the message/story of the heritage)	5	seminar	1	
	U9.P2	Urban planning related to the monument protection - historic buildings and sites, buffer zones in urban development plans	5	seminar	1	
	U9.P3	Contemporary architecture in historic environments (case studies)	5	seminar	1	
	U9.P4	Historic urban landscape protection. Urban heritage management - continuity and compatibility	5	seminar	1	
	U9.P5	Adaptive strategies for the use of monuments - reuse, redevelopment, rehabilitation, revitalisation (case studies)	4	seminar	1	
	U9.P6	Colour schemes as means of interpretation and part of urban planning.	4	seminar	1	
M7	U10	Management of heritage sites - planning and controlling heritage sites				
	U10.P1	Management plan of a heritage site, participatory strategic planning tools (incl. examples of World Heritage sites)	5	seminar	2	
	U10.P2	Lifecycle, long term maintenance (preventive conservation, <i>care and repair</i>), sustainability	5	seminar	2	
	U10.P3	Risk management	5	seminar	1	
	U10.P4	Interpretation and promotion of heritage (incl. new digital tools)	5	group work	1	
M7	U11	Economic aspects				
	U11.P1	Cultural heritage as a part of regional and local development (local and regional policies and development plans)	5	seminar	1	
	U11.P2	Innovative models for heritage preservation, good practices (incl. revolving funds)	5	seminar	1	
	U11.P3	Cultural heritage as a marketable commodity and its impact on national economies	5	seminar	1	

	U11.P4	Feasibility study (case study)	5	group work	2	
	U11.P5	Fundraising	5	seminar	1	
M7	U12	"Open" unit reflecting actual issues/topics / Excursion				
	U12.P1	Visiting a newly conserved historical object or an object under conservation, discussions on site	4	seminar/excursion	4	22
Conservation and Development of Built Heritage - WORKSHOP in Project Preparation and Implementation						
Training for: ALL TARGET GROUPS - trained in the modules above or being experienced ; 1/ staff of monuments boards, 2/ architects and engineers, 3/ local and regional governments , 4/craftsmen, 5/ owners						
Duration: 3 days						
Place: AINova (SK); PÚSR (SK); NPÚ (CZ); BDA-Kartause Mauerbach (AT) in English as well. It can be extended to other entities and locations providing lifelong education in the future.						
M8	U13	Survey and documentation				
	U13.P1	Overview of documentation and survey (incl. archive survey and geodetic, architectural-historic, archaeological, restoration survey and art-historic survey)	4	seminar	1	
	U13.P2	Non-invasive survey methods of architectural monuments	4	seminar	1	
	U13.P3	Invasive survey and diagnostic of architectural monuments	4	seminar	2	
	U13.P4	Digital technologies in documentation of architectural monuments	4	seminar	1	
	U13.P5	Survey - "the room book" and constuction phase plan	5	seminar	1	
	U13.P6	Best practise examples (note: this could be used for the workshop U15)	5	group work	1	
M8	U14	Built heritage conservation and development project - preparation and implementation				
	U14.P1	Professions and skills needed in a built heritage project	5	group work	1	
	U14.P2	Project schedule - process of permission, project implementation, site supervision and final on-site control (note: guidelines for the workshop U15)	5	seminar	2	
M8	U15	Practise - doing a virtual or real project preparation				
	U15.P1	Creating working groups consisting of representatives of various professions and stakeholders	5	workshop	1	
	U15.P2	Defining the conservation goal (reflecting the type of use, survey results, regional aspects...), reflecting the current building construction requirements	5	workshop	2	
	U15.P3	Defining the measures - model preparation of measure catalogue (incl. sample works)	5	workshop	2	
	U15.P4	Coordinating projects and professions, project schedule	5	workshop	2	
	U15.P5	Tendering, construction supervision, approval, maintenance	5	workshop	1	
M8	U16	Dialogue among professionals and other stakeholders				
	U16.P1	Exchange of knowledge and experience in the form of dialogue/panel discussions focused on specific selected topic(s)	5	discussion	1	
	U16.P2	Sharing achievements and good practices	5	discussion	1	
	U16.P3	Addressing actuall challenges	4	discussion	1	21

Traditional Built Heritage Crafts - introduction						
Training for: ALL TARGET GROUPS ; 1/ staff of monuments boards, 2/ architects and engineers, 3/ local and regional governments , 4/craftsmen, 5/ owners						
Duration: 3-4 days						
Place: AINova (SK); PÚSR (SK); NPÚ (CZ); FR UP (CZ); BDA-Kartause Mauerbach (AT) in German/English. It can be extended to other entities and locations providing lifelong education in the future.						
M9	U17	Principles of Built Heritage Protection				
	U17.P1	The values of cultural heritage and the fundamentals of its protection with an emphasis on architectural heritage	3	lecture	1	
	U17.P2	National system of monument care; Heritage Protection Law	3	lecture	1	
	U17.P3	Defining the conservation goals	3	group work	1	
	U17.P4	Conservation concepts - technical repair, conservation, restoration, conservation	3	lecture	1	
	U17.P5	Guided tour in BDA Kartause Mauerbach - conservation examples (if not organised in Mauerbach then an excursion to a chosen site)	3	guided tour	2	
M9	U18	Materials				
	U18.P1	Lime, sand, plaster, stucco	4	lecture, hands on	2	

	U18.P2	Hydraulic binders and modern plasters	4	lecture, hands on	1	
	U18.P3	Bricks - guided walk through collections (or lecture with presentation of samples)	4	lecture, guided tour	1	
	U18.P4	Wood - guided walk through exhibitions (or lecture with presentation of samples)	4	lecture, guided tour	1	
	U18.P5	Stone - guided walk through collections (or lecture with presentation of samples)	4	lecture, guided tour	1	
	U18.P6	Metal - guided walk through workshops (or lecture with presentation of samples)	4	lecture, guided tour	1	
M9	U19	Understanding of historic buildings				
	U19.P1	Paths of water/moisture	4	lecture	1	
	U19.P2	Traditional and modern paints	4	lecture	1	
	U19.P3	Conservation techniques and conservation work	4	lecture	1	
M9	U20	Practical work				
	U20.P1	Slaking lime and making mortars	4	lecture, hands on	3	
	U20.P2	Making traditional paints	4	lecture, hands on	3	
	U20.P3	Repairing wood windows	4	lecture, hands on	3	
M9	U21	Coordination of particular crafts and responsibility of these crafts in built heritage preservation				
	U21.P1	Coordination of craftsman on the heritage site - scheduling	4	seminar	1	
	U21.P2	Coordination of craftsman, restorers and other professions	4	seminar	1	27

Methods of Conservation and Restoration of Built Heritage						
Training for: ALL TARGET GROUPS; mainly for 1/ monuments board, 2/architects/civil engineers and 3/ craftsmen with experience in heritage preservation (for others we recommend to take Modules M3 and M4 firstly)						
Duration: 3-4 days						
Place: FRUP (CZ) in Czech/English language; FRUP can bring the technical equipment to BDA-Kartause Mauerbach and do this Module also there; BDA-Kartause Mauerbach + University of Applied Arts in Vienna (AT). It can be extended to other entities and locations providing lifelong education in the future.						
M10	U22	Basic principles and strategies				
	U22.P1	Current principles and goals	4	lecture	1	
	U22.P2	Preparation of conservation/restoration intervention	4	lecture	2	
	U22.P3	Evaluation of the treatment - methods and possibilities	4	lecture	2	
M10	U23	Conservation/restoration techniques / technologies for inorganic porous materials – stone elements, brick / terracotta, adobe				
	U23.P1	Overview methods I - desalination, cleaning	3	lecture	2	
	U23.P2	Overview methods II - consolidation, repair	3	lecture	2	
	U23.P3	Practical work - practical examples of selected techniques, evaluation of treatments	4	workshop	3	
M10	U24	Conservation/restoration techniques / technologies for inorganic porous materials – architectural surfaces, plaster, mural painting				
	U24.P1	Overview methods I - desalination, cleaning	3	lecture	2	
	U24.P2	Overview methods II - consolidation, retouchment	3	lecture	2	
	U24.P3	Practical work - practical examples of selected techniques, evaluation of treatments	4	workshop	3	
M10	U25	Conservation/restoration techniques / technologies for metal				
	U25.P1	Overview methods - cleaning, conservation, protection	3	lecture	2	
	U25.P2	Practical work - practical examples of selected techniques, evaluation of treatments	4	workshop	2	
M10	U26	Conservation/restoration techniques / technologies for wood				
	U26.P1	Overview methods - consolidation, conservation, protection	3	lecture	2	
	U26.P2	Practical work - practical examples of selected techniques, evaluation of treatments	4	workshop	2	27

Note: The following module is the only one designed especially for private owners (but it does not mean that it is "closed" for the other target groups):

Private Owners As Good Managers Of Historic Buildings					
Training for: private owners					
Duration: 3 days					
Place: AINova (SK), PÚSR (SK), NPÚ (CZ), FRUP (CZ), BDA-Kartause Mauerbach (AT) in German/English. It can be extended to other entities and locations providing lifelong education in the future.					
M11	U1	Sensing the appearance of buildings ("School of Seeing" - training of perception skills)			
	U1.P1	Comparison of the surfaces of historical architecture from the point of view of the use of traditional and modern techniques and materials	3	seminar/guided tour	1
	U1.P2	Manifestations of aging, rebuilding, repairs, overall development of the building	3	seminar/guided tour	1
	U1.P3	Building culture - respecting significance of built heritage examples (from the private owners)	3	seminar	1
	U1.P4	Traditional vs modern appearance of buildings	3	seminar/guided tour	1
M11	U2	Understanding your buildings			
	U2.P1	Materials - brick, lime, stone, metal, sand, wood (note: if organised in BDA Kartause Mauerbach - the walk through collections)	3	lecture/guided tour	4
	U2.P2	Paths of water/moisture - capillarity and diffusion	3	lecture	1
	U2.P3	Cellar, socket, facade, examples	3	lecture/guided tour	1
	U2.P4	Windows and doors (note: if organised in BDA Kartause Mauerbach - the walk through collections)	3	lecture/guided tour	1
	U2.P5	Colours and paints (note: if organised in BDA Kartause Mauerbach - the walk through collections)	3	lecture/guided tour	1
M11	U3	Lifecycle and sustainability			
	U3.P1	Intervention - when and why, change of the use	3	seminar	2
	U3.P2	Sustainability, maintenance, care and repair	3	seminar	1
	U3.P3	Heating system and thermal insulation	3	seminar	1
	U3.P4	Drying the walls	3	seminar	1
	U3.P5	Examples of good / wrong practice, discussion	3	seminar	1
M11	U4	Principles of built heritage protection			
	U4.P1	Basics of built heritage	4	lecture	1
	U4.P2	Conservation concepts - technical repair, conservation, restoration, renovation	4	lecture	1
	U4.P3	Heritage protection law, exceptions from the construction law - fire protection, handicapped accessibility, lift installations	4	lecture	1
	U4.P4	Permission process (incl. conservation goal); funding	4	lecture	1
	U4.P5	Examples, best practise	4	seminar	2
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