

## EDUCATIONAL WORKSHOP

### The use of non-destructive methods for material testing in conservation

*project HEROMAT „Protection of cultural heritage objects with multifunctional advanced materials“*

Bač, May 28-29, 2014

## AGENDA

<b>Wednesday, May 28, 2014</b>	
<b>Venue: Donjon tower, Bač Fortress</b>	
<b>10.30 – 10.45</b>	<b>Welcome address and introductory lecture</b>
	<i>Prof. Dr Jonjaua Ranogajec, Faculty of Technology, University of Novi Sad, HEROMAT Project coordinator</i>
	<i>Dr Slavica Vujović, Provincial Institute for the Protection of Cultural Monuments Petrovaradin</i>
<b>10.45 – 12.00</b>	<b>Thematic area No.1 - Damage mapping and sampling procedures</b>
10.45 – 11.15	Types of material degradation, TFUNS
11.15 - 11.30	Approach to material degradation (international standardization), TFUNS and PZZSK
11.30 – 11.45	Preparation and processing of sampling forms and equipment required, TFUNS and PZZSK
11.45 – 12.00	Mapping and sampling on the field of Bac Fortress, PZZSK
<b>12.00 – 12.15</b>	<b>Coffee break</b>
<b>12.15 – 13.00</b>	<b>Field work - mapping in groups</b>
<b>13.00 – 14.30</b>	<b>Lunch (Ethno house Didina kuća)</b>
<b>15.00 – 16.30</b>	<b>Thematic area No.2 - Characterization of Materials (method and equipment)</b>
15.00 – 15.30	The use of model substrates as a prerequisite for the success of the preservation of the built heritage, TFUNS
15.30 – 16.30	Introduction to the methods and equipment, CNR-ISTM, UWS
<b>16.30 – 17.00</b>	<b>Coffee break</b>
<b>17.00 -18.00</b>	<b>Workshop - work with the equipment in groups - teams TFUNS, PZZSK, CNR-ISTM, UWS</b>



**“PROTECTION OF CULTURAL HERITAGE OBJECTS  
WITH MULTIFUNCTIONAL ADVANCED MATERIALS”  
– HEROMAT**

FP7-ENV-NMP-2011, Agreement No: **NMP3-SL-2011-282992**



**Thursday, May 29, 2014**

**Venue: Donjon tower, Bač Fortress**

<b>9.00 – 10.00</b>	<b>Preparation of workshop results (group work)</b>
<b>10.00 – 11.00</b>	<b>Presentation of workshop results (thematic areas 1 and 2) with the discussion</b>
<b>11.00 – 12.00</b>	<b>Thematic area No.3 - cleaning of the historic materials and use of new functional materials</b>
11.00 – 11.15	Techniques for cleaning historical materials – <i>EURA CONSERVATION</i>
11.15 – 11.30	Laser material cleaning – Central Institute for Conservation, Belgrade
11.30 – 11.45	Application of consolidants – <i>SANING</i>
11.45 – 12.00	Application of protective coating – <i>HGP</i> and <i>TFUNS</i>
<b>12.00 – 12.15</b>	<b>Coffee break</b>
<b>12.15 – 14.15</b>	<b>Thematic area No.4 – Monitoring of the effectiveness of applied materials</b>
12.15 – 13.30	Workshop - working with the equipment in groups, CNR-ISTM, UWS, ZVKDS/IPCHS, TFUNS
13.30 – 14.15	Discussion and conclusions on the application and monitoring of HEROMAT materials <i>moderator Dr. John Hughes</i>
<b>14.30 – 15.30</b>	<b>Lunch ( Ethno house Didina kuća )</b>