

**Network of excellence (NoE) proposal**  
**ICT Call 6**  
 FP7-ICT-2009-6

**Virtual Museums Transnational Network**

**V-MusT.net**

Virtual Museums (VM) are a new model of communication that aims at creating a personalized, immersive, interactive way to enhance our understanding of the world around us. The term “VM” is a short-cut that comprehends various types of digital creations. Unfortunately, although its idea is not new, development and implementation researches have not, already, brought Europe to be the leader in this field, as expected. This sector has not reached a sufficient level of maturity, such as Cinema or Game sectors, as to be as much widespread as it should be. Moreover in Europe, unlike USA, we still face a disconnection between the research, that develop tools with little interest in their wide application, and the industry, that build ten-year plans addressing the market. VM domain is the perfect application area where all these problems NEED to be solved for the real benefit of community. Unfortunately there are no solutions ready to be developed through research. A NoE would be required at this point. V-MusT.net partners believe that Europe *CAN* be the leader in the worldwide panorama of VM. A large subset of the most important VMs are implemented by EU groups. Some of the most notable and excellent researches related to this field are developed in EU. This leadership can be achieved only by going beyond the actual research fragmentation, by soliciting a common effort in assessing limitations emerging from all VM experiences consolidated so far, finding proper solutions, assessing them through experimental activity and finally consolidating a transnational network dedicated to VMs. V-MusT.net will bridge technological domains, archival, social and cognitive sciences to advance the state-of-the-art of digital preservation, for VMs future persistence. It will finally create a virtual research area; identify researches for further development; identify the VM of the Future; increase competitiveness of the EU-ICT industry; create a quality evaluation procedure

**PARTNERS:**

| <b>Particip. no.</b> | <b>Participant organisation name</b>   | <b>Part. short name</b>   | <b>Country</b>     |
|----------------------|--|---------------------------|--------------------|
| <b>1</b>             | Consiglio Nazionale delle Ricerche   | <b>CNR-ITABC/ISTI/ITD</b> | Italy              |
| <b>2</b>             | Agenzia Per La Promozione Della Ricerca Europea  | <b>APRE</b>               | Italy              |
| <b>3</b>             | King’s College London, Centre for Computing in the Humanities, King’s Visualisation Lab          | <b>King’s</b>             | UK                 |
| <b>4</b>             | University of Sarajevo, Dept. Computer Science   | <b>ETF</b>                | Bonsia-Herzegovina |
| <b>5</b>             | Institut National de Recherche en Informatique et Automatique (INRIA-IPARLA Joint Research Team) | <b>INRIA</b>              | France             |
| <b>6</b>             | Lund University, Department of Design Sciences   | <b>ULUND</b>              | Sweden             |
| <b>7</b>             | STARC, Cyprus Institute  | <b>CREF-Cyl</b>           | Cyprus             |
| <b>8</b>             | CINECA   | <b>CINECA</b>             | Italy              |
| <b>9</b>             | Foundation of the Hellenic World   | <b>FHW</b>                | Greece             |
| <b>10</b>            | Allard Pirson Museum, University of Amsterdam  | <b>UVA</b>                | Netherlands        |
| <b>11</b>            | Center for Documentation of Cultural and Natural Heritage  | <b>CULTNAT</b>            | Egypt              |
| <b>12</b>            | Comune di Roma, Sovraintendenza ai Beni Culturali, Museo dei Fori Imperiali                      | <b>SOVR</b>               | Italy              |
| <b>13</b>            | Fraunhofer Institute für Graphische Datenverarbeitung  | <b>FHG</b>                | Germany            |
| <b>14</b>            | Virtualware  | <b>Virtualware</b>        | Spain              |
| <b>15</b>            | Visual Dimension   | <b>VisDim</b>             | Belgium            |
| <b>16</b>            | Sociedad Española de Arqueología Virtual   | <b>SEAV</b>               | Spain              |
| <b>17</b>            | Noho LTD   | <b>NOHO</b>               | Ireland            |
| <b>18</b>            | University of Brighton, University of Brighton’s Business School                                 | <b>UoB</b>                | UK                 |

## V-MUST.NET ASSOCIATED PARTNERS:

|   |                              |
|---|------------------------------|
| Zemaljski muzej Bosne i Hercegovine (National Museum of BH)                                     | BH - Sarajevo                |
| Muzej Hercegovine (Museum of Herzegovina)   | BH- Mostar                   |
| Muzej Sarajeva (Musum of Sarajevo)  | BH- Sarajevo                 |
| Antiquities Museum of the Library of Alexandria   | EG- Alexandria               |
| Nubian Museum   | EGYPT- Aswan                 |
| Foundation Atapuerca  | ES                           |
| Museo y Parque Arqueologico Cueva Pintada   | ES- Las Palmas, Gran Canaria |
| Fundacion Marq-Mueso Arqueologico Provincial de Alicante  | ES-Alicante                  |
| Museo de Artes Tradiciones Populares  | ES-Madrid                    |
| Red de Museos de la Consejeria de Cultura y Turismo   | ES-Mérida                    |
| Exposicion Galiciadixital   | ES-Santiago de Compostela    |
| Ayutamiento de la Rinconada   | ES-Sevilla                   |
| CNRS – AUSONIUS Insitute  | France                       |
| Inst. für Urund Frühgeschichte Archäologie des Mittelalters-Eberhard Karls Universität Tübingen | Germany                      |
| MakeBelieve design & consulting   | Greece                       |
| Dublinia and the Viking World   | IR - Dublin                  |
| National Museum of Ireland  | IR – Dublin                  |
| Galleria dell'Accademia   | IT - Firenze                 |
| Via Appia Regina Viarum   | IT - Rome                    |
| Roman National Museum. Diocletian Thermal Baths   | IT – Rome                    |
| Museo dei Mercati di Traiano  | <b>IT – Rome</b>             |
| Teramo Archaeological Museum  | IT – Teramo                  |
| Museo Civico Archeologico di Bologna  | IT- Bologna                  |
| Museo Internazionale e Biblioteca della Musica di Bologna                                       | IT- Bologna                  |
| Museo Civico del Risorgimento/Certosa   | IT- Bologna                  |
| Province of Naple: Virtual Archaeological Museum of Ercolano and Pupi Museum                    | IT- Naple                    |
| Virtual Archaeological Museum of Ercolano and Pupi Museum                                       | IT- Naple                    |
| MAV, Pupi Virtual Museum, Metiartech  | IT-Naple                     |
| Museo dei Fori Imperiali - mercati di Traiano   | IT-Roma                      |
| CadLand s.r.l.  | Italy                        |
| TU Delft (univ. technology)   | Netherlands                  |
| ZERO Creative   | Netherlands                  |
| Allard Pierson Museum   | NL - Amsterdam               |
| Tripoli Virtual Museum (Libia)  | on line                      |
| Historiska Museet Lund (Historical Museum)  | SE- Lund                     |
| Kulturen (Kulturhistoriska foreningen for sodra Sverige)  | SE-Lund                      |
| Universidad Autónoma de Madrid  | Spain                        |

**VIRTUAL MUSEUMS (DEVELOPED BY V-MUST PARTNER AND THEIR ASSOCIATED PARTNERS): initial patrimony of the project that will be increased during the 4 years of the project.**

- **AR application on Roman Forum and Satricum**, Allard Pierson Museum, NL, Amsterdam  
[\[http://allardpiersonmuseum.nl\]](http://allardpiersonmuseum.nl)
- **Bologna VR**, Bologna City Museum (expected opening 2011), Bologna, IT - developed by CINECA
- **Living in Middle Ages** (temporal exhibit), Parma, IT - developed by CINECA
- **Virtual Museum of Ancient Via Flaminia**, Roman National Museum - Diocletian Thermal Baths (2008), Rome, IT  
[\[www.vhlab.itabc.cnr.it/flaminia\]](http://www.vhlab.itabc.cnr.it/flaminia) - developed by CNR
- **Virtual Museum of the Scrovegni Chapel**, Eremitani Museum (2003), Padova, IT - developed by CNR
- **Teramo Virtual City**, Teramo Archaeological Museum (2010), Teramo, IT - developed by CNR
- **MAV: Virtual Archaeological Museum of Ercolano** (2009), Naples, IT  
[\[http://www.museomav.it/doc/brochureENG.pdf\]](http://www.museomav.it/doc/brochureENG.pdf)
- **Virtual Theatre of Pupi Museum**, Naples, IT – Developed by Naples Province (MAB)
- **Virtual Rome**, on line (2008) [\[http://www.virtualrome.net\]](http://www.virtualrome.net) - developed by CNR
- **Narrative Virtual Museum of Appia Archaeological Park** (2005-2006 temporary exhibits)
- **Virtual Museum of Iraq** on line (2009) [\[http://www.virtualmuseumiraq.cnr.it\]](http://www.virtualmuseumiraq.cnr.it) developed by CNR
- **Virtual Arrigo VII**, Opera Primaziale Pisana Museum, Pisa, IT (2004) - developed by CNR
- **Virtual Michelangelo's David**, Museum Galleria dell'Accademia, Florence, IT (2003) - developed by CNR
- **Cenobium - Medieval sculpture**, Kunsthistorische Institut in Florence, Max-Planck Institute, Florence, IT (2008) - developed by CNR
- **Virtual Myths**, accessible at Cultnat, Cairo, Egypt  
[\[http://www.cultnat.org/General/Links/Pages/Links.aspx\]](http://www.cultnat.org/General/Links/Pages/Links.aspx) - developed by CULTNAT
- **Global Egyptian Museum** [\[http://www.globalegyptianmuseum.org\]](http://www.globalegyptianmuseum.org) - developed by CULTNAT
- **Aeternal Egypt** [\[http://www.eternalegypt.org/\]](http://www.eternalegypt.org/) - developed by CULTNAT
- **Virtual Museum of Bosnia and Herzegovina**, National Museum of Bosnia and Herzegovina, Sarajevo, BH  
[\[http://projects.etf.unsa.ba/~vmuzej/\]](http://projects.etf.unsa.ba/~vmuzej/) – developed by ETF
- **Digital Catalogue of Stecaks**, National Museum of Bosnia and Herzegovina, Sarajevo, BH  
[\[http://h.etf.unsa.ba/dig-katalog-stecaka/\]](http://h.etf.unsa.ba/dig-katalog-stecaka/) – developed by ETF
- **Virtual Reconstruction of Isa-bey Tekija**, Museum of Sarajevo, BH  
[\[http://www.muzejsarajeva.ba/tekija/\]](http://www.muzejsarajeva.ba/tekija/) – developed by ETF
- **Virtual Museum of BH traditional Objects**, Museum of Sarajevo, BH  
[\[http://www.muzejsarajeva.ba/btp/\]](http://www.muzejsarajeva.ba/btp/) – developed by ETF
- **Virtual Church of the Holy Trinity**, Muzej Hercegovine, Mostar BH [\[http://www.crkva-sv-trojice.ba/\]](http://www.crkva-sv-trojice.ba/) - developed by ETF
- **Interactive Tour at the Ancient Agora**, accessible at the Tholos of the Foundation of the Hellenic World, Athens, GR – developed by FHW
- **Athena in the Ancient Agora**, accessible at the Tholos of FHW, Athens, GR – developed by FHW  
[\[http://www.fhw.gr/vr/en/docs/in\\_projects.html\]](http://www.fhw.gr/vr/en/docs/in_projects.html)
- **Journey to ancient Miletus**, accessible at the Tholos of FHW, Athens, GR – developed by FHW  
[\[http://www.fhw.gr/vr/en/docs/in\\_projects.html\]](http://www.fhw.gr/vr/en/docs/in_projects.html)
- **A Walk Through Ancient Olympia**, accessible at the Tholos of FHW, Athens, GR – developed by FHW  
[\[http://www.fhw.gr/vr/en/docs/in\\_projects.html\]](http://www.fhw.gr/vr/en/docs/in_projects.html)
- **The Workshop of Phidias in Olympia**, accessible at the Tholos of FHW, Athens, GR – developed by FHW  
[\[http://www.fhw.gr/vr/en/docs/in\\_projects.html\]](http://www.fhw.gr/vr/en/docs/in_projects.html)
- **Environment Museum of Stymphalia** – developed by MakeBelieve
- **Archéovision**, on line [\[http://archeovision.cnrs.fr/\]](http://archeovision.cnrs.fr/) - developed by INRIA and AUSONIUS-CNRS
- **Virtual Theatres of Europe (Theatron2)**, on line – developed by King's College, UK
- **Virtual Theatres of Europe in Second Life (Theatron3)**, on line – developed by King's College, UK
- **Virtual Kew Gardens: "How Kew Grew"** Royal Gardens, Kew, London – developed by King's College, UK
- **Virtual Roman Fort of London** KVL King's College London – developed by King's College, UK
- **Body and Masks in Ancient Theatres** on line – developed by King's College, UK
- **Virtual Odeion at Pompeii** KVL King's College London – developed by King's College, UK
- **Virtual Roman Colchester**, Cochester Museum UK  
[\[http://www.kvl.cch.King's.ac.uk/colchester.html\]](http://www.kvl.cch.King's.ac.uk/colchester.html)
- **Virtual Kilmartin**, Kilmartin Trust, UK
- **Virtual Dove Cottage**, Wordsworth Dove Cottage Trust, UK  
[\[http://www.kvl.cch.King's.ac.uk/dovecottage.html\]](http://www.kvl.cch.King's.ac.uk/dovecottage.html)
- **Virtual Shaftesbury Abbey**, Shaftesbury Abbey Museum, UK  
[\[http://www.virtualexperience.co.uk/?page=projects&sub=shaftesbury\]](http://www.virtualexperience.co.uk/?page=projects&sub=shaftesbury)
- **Medieval Dublin**, educational multimedia DVD for Irish schools – developed by NOHO
- **Museum of Guadalquivir** – under development by SEAV
- **Virtual exploration of Santimamine Caves**, Visitor Center of Santimamine, ES – developed by Virtualware
- **Virtual Cave installation**, Ardales, Málaga – Andalucía, ES – developed by Virtualware
- **Virtual Museum of Arqua**, Museo Nacional de Arqueología Subacuática, Cartagena, Murcia, ES – developed by Virtualware
- **Timeframe Harelbeke**, Harelbeke BE – developed by VisualDimension
- **Rome City Museum**, under development by Sovraintendenza Comune of Roma

- **Prague 3D**, Prague Museum, Prague, CZ - developed by Prague Museum (MAB)
- **Colonia 3D** [<http://colonia3d.de/>]
- **Troia VR**, not more available, developed by Art+Com and Univ. Tübingen (MAB) [[http://www.uni-tuebingen.de/troia/vr/vr0501\\_en.html](http://www.uni-tuebingen.de/troia/vr/vr0501_en.html)]
- **Virtual Museum of Tripoli (Libia)** – developed by Univ. of Padova (MAB)
- **Ara Pacis virtual exploration**, accessible at Ara Pacis, Rome
- **Life and Power in imperial Rome**, CG animation for temporal exhibit in Japan, accessible on line - developed by CNR
- **Domus Aurea 3d exploration**, Rome
- **Via Appia Regina Viarum**, Rome