How to digitize a Scientific Museum

Museo Galileo
Institute and Museum of the History of Science
Florence, Italy

4° CD – ETA PROJECT MEETING

Florence, 9 May 2017
Museo Galileo

Foundation: 12 May 1927
Museum of scientific instruments & Institute dedicated to:
✓ Research
✓ Documentation
✓ Dissemination of the history of science

- The museum
- the specialized library
- the archives
- the multimedia
- photographic and restoration laboratories

provide an integrated whole in the service of disseminating scientific culture, capitalizing on Italy's technical/scientific heritage, while continuously updating research in the history of science and technology.
The website is available from the end of 1994, and currently has one million visitors per year
Online services

Virtual Museum
Every Museum’s permanent exhibited object, with picture, descriptive sheet, bibliographies, deepening and more.

Libraries
- Library
- Digital Library

Exhibitions
Past and ongoing exhibitions conceived and organized by the Museum from 1980 until today

Online didactic
A great tool to learn about the Museum’s collections on the web.

Galileo’s Portal
Galilean resources on the Museo Galilei’s website

Galileo/thek@
Integrated archive of Galilean resources

Itineraries
- Touristic - cultural itineraries
- Mathematics Rooms (in Italian only)
- Life and works of Galileo

The Monumental Sundial
Located in piazza dei Giudici

Projects
Museo Galileo organizes both physical and virtual exhibitions
The **1507 Universalis Cosmographia** by German cartographer Martin Waldseemüller is the oldest map of the world to display the name “America,” coined in honor of Florentine navigator **Amerigo Vespucci**, who was the first to recognize that the land discovered across the ocean belonged to a new continent.
The collections of Museo Galileo are now available on the Google Cultural Institute alongside with other important institutions. Three virtual exhibits display some of the main items belonging to the Medici and Lorraine Collections, together with videos that help to historically contextualize them. Also available the museum Street View.
Library

- 150,000 works concerning the history of science.
- Antique book collection: nearly 5,000 works
- Contemporary collection with an annual growth of hundreds of new acquisitions
- Several 18th to 20th century archival collections, a set of prints and drawings, an interesting historical photo archive and a notable collection of modern photographs
It displays any record in the integrated archives that presents connections to digital resources, through its advanced system for consulting texts and images.
An integrated archive of Galilean resources easy to consult thanks to a refined search system. It could be described as a **thematic Digital Library** formed of texts, images, documents, and bibliographical records integrated with one another, plus chronological indexes of names and subjects, and lexical tools.
Virtual Museum

VirtualMuseum

Introduction

Objects

Description of all objects of the Museum alphabetically ordered.

Videos by thematic area

Multimedia reconstructing the context and issues of reference of the objects that allow the exploration of collections by subject.

Videos alphabetically ordered

Rooms

Museum Virtual Tour, including about 1000 instruments.

Biographies

Biographical data of quoted names, in alphabetical order, including those of all object inventors/Makers.

Glossary

Glossary index (including all “In Depth” entries), presented in alphabetical order.

Museo Galileo’s Catalogue

Is now possible to download the complete catalogue in PDF format (download info:)

credits

© 2010-2015 Museo Galileo - Institute and Museum of the History of Science - Piazza dei Ciompi 1 - 50122 Florence - ITALY
Museum Application

Virtual Museum

The visitor explores the collections & navigates virtually in the space

Descriptions of all the objects in display, incl. 4-hour videos: scientific instruments work & historical context

700 “in depth” pages of biographies and definitions of technical terms
Scientific Itineraries in Tuscany

The region is presented as a great "multi-centre museum", whose scientific heritage, presented in a cultural tourism key, is integrated with its treasures of art.

The application is both an aid to planning a trip through Tuscany and a tool for virtual visits to places of historic-scientific interest.
Florence - Following in Galileo's tracks

Galileo lived in Florence most of his life. He spent his adolescence there completing his early studies, and established himself there permanently when he was appointed as First Mathematician and Philosopher to the Grand Duke of Tuscany. Some of the places where he resided have vanished without a trace, and there is scarce mention of them even in letters and documents, while others have survived intact, along with the sites and monuments associated in some way with the often stormy adventures of his life.

During the period that Galileo resided in Padua, his mother and his sister Virginia lived in the parish of the Church of Carmine, and it was in that church, just a short walk from Camilla Bridge, that Giulia Ammannati was buried in 1620.
Leonardo da Vinci Itinerary

Scientific Itineraries

Information about Leonardo da Vinci & his homeland – Tuscany on the Renaissance

Includes the traditionally mentioned localities and identifies over 400 places with at least 60 of them examined in detail
Leonardo da Vinci Itinerary

Relation between Leonardo’s maps and modern cartography
Leonardo da Vinci 2019

New Itineraries for Leonardo celebration

We are in search for new technologies (collaborations) to be integrated in Leonardo Itineraries

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