Business Intelligence & Data · BI280

Heritage Data Management

Cairo · 20 - 24 Dec 2026

Date	Venue	Duration
20 - 24 Dec 2026	**Cairo**	**1 Week**
Fee	Ref	Language
£3,100 GBP	**BI280**	**English**

Introduction

In an era where digital technologies are revolutionizing the way information is captured, preserved, and accessed, the field of heritage management has experienced a profound transformation. Heritage data management, a critical component of cultural heritage preservation, involves collecting, storing, and safeguarding historical information about cultural artifacts, archaeological sites, archives, and intangible cultural expressions. As heritage data becomes more digitized, the challenge of managing vast amounts of information grows, requiring new tools, skills, and strategies to ensure that this data is accessible, accurate, and secure for future generations.

This course on Heritage Data Management explores the key methodologies and technologies that professionals can employ to digitize, organize, and manage cultural heritage data effectively. Participants will learn about international standards for heritage data management, including metadata schemas, digitization best practices, data storage solutions, and long-term digital preservation strategies. Additionally, this program will highlight the ethical and legal challenges that arise when managing digital heritage data, including issues related to ownership, privacy, and accessibility.

Through a combination of theoretical sessions, case studies, and practical exercises, participants will gain a comprehensive understanding of how to manage heritage data in a digital environment. This course is essential for professionals working in museums, archives, libraries, archaeological organizations, and other cultural heritage institutions who are looking to enhance their data management capabilities.

Course Objectives of Heritage Data Management

Upon completing this program, participants will be able to:

- Understand the principles and practices of heritage data management.
- Utilize international standards for organizing and preserving heritage data.
- Implement effective digitization strategies for various types of cultural heritage.
- Manage and maintain digital archives, ensuring long-term preservation.
- Address ethical and legal challenges related to heritage data ownership and accessibility.

- Leverage new technologies and tools for efficient data storage, retrieval, and analysis.
- Collaborate with other institutions and stakeholders to share heritage data while maintaining data integrity.

Course Methodology of Heritage Data Management

- Lectures and Expert Insights: Leading industry experts will share their insights and best practices.
- Case Studies: Analyze real-world talent acquisition challenges and solutions.
- Group Discussions: Engage in meaningful discussions and share experiences with peers.
- Role-Playing and Simulations: Practice recruitment scenarios to enhance skills.
- Hands-on Workshops: Gain practical experience in using recruitment tools and techniques.

Organizational Impact of Heritage Data Management

This training program will have a positive impact on organizations by:

- Improve the management and preservation of cultural heritage data through standardized methodologies.
- Ensure long-term access to digital archives and collections, safeguarding historical information for future generations.
- Enhance the efficiency and accuracy of heritage data storage, retrieval, and analysis.
- Comply with international guidelines and regulations related to digital heritage data management.
- Strengthen collaboration with other institutions by adopting interoperable data management systems.
- Mitigate risks related to data loss, degradation, or inaccessibility through robust data preservation strategies.

Personal Impact of Heritage Data Management

Participants will experience personal growth and development, including:

- Develop advanced skills in heritage data digitization, storage, and management.
- Gain confidence in handling complex digital archives and heritage databases.
- Understand the ethical and legal implications of heritage data management.
- Learn how to apply international standards and best practices to their work.
- Enhance their professional capabilities, making them more valuable assets to their institutions.
- Build a network with professionals and experts in the field of heritage data management.

Who Should Attend

This training program is ideal for:

- Archivists and Librarians
- Museum Curators and Collection Managers
- Archaeologists and Cultural Heritage Professionals
- Digital Heritage and Data Management Specialists
- IT Professionals in Cultural Institutions
- Policy Makers and Regulatory Bodies in Heritage Management
- Anyone responsible for the digitization and preservation of heritage materials

Course Outlines

Day 1

Introduction to Heritage Data Management and Digital Preservation

- Overview of Heritage Data Management: Definitions, Scope, and Importance
- The Evolution of Digital Preservation in Cultural Heritage
- Types of Heritage Data: Tangible and Intangible Assets
- Best Practices and Tools for Cultural Heritage Preservation
- Successful Digital Heritage Management Projects
- Assessing and Organizing Heritage Data for Digital Preservation

Day 2

Standards, Tools, and Technologies for Heritage Data Management

- International Standards: Metadata, Documentation, and Classification (Dublin Core, CIDOC CRM, etc.)
- Tools for Heritage Data Management: Software, Platforms, and Databases
- Digital Preservation Strategies: Formats, Metadata, and Data Lifecycles
- Data Storage Solutions: Cloud, Local Servers, and Hybrid Models
- Applying Metadata Standards to Cultural Heritage Collections
- Using Open-Source Tools for Heritage Data Management

Day 3

Ethical, Legal, and Privacy Considerations

- Ethical Challenges in Heritage Data Management: Ownership, Access, and Cultural Sensitivity
- Legal Frameworks: Intellectual Property Rights and Data Protection
- Balancing Accessibility with Data Privacy and Security
- Case Study: Ethical Dilemmas in Managing Indigenous and Sensitive Heritage Data
- Addressing the Ethical and Legal Issues in Heritage Data
- Developing Data Management Policies for Cultural Institutions

Day 4

Implementing a Heritage Data Management System

- Planning and Designing a Heritage Data Management System
- Integrating Digital Preservation into Existing Workflows
- Interoperability: Connecting Different Heritage Databases and Systems
- Collaborative Data Sharing and Partnerships between Institutions
- Monitoring and Updating Digital Heritage Collections
- Building a Heritage Data Management Framework for a Small Institution

Day 5

Advanced Techniques for Digital Preservation and Access

- Long-Term Digital Preservation Strategies: Emulation, Migration, and Backups
- Enhancing User Access to Heritage Data through Digital Platforms and Websites
- Leveraging Emerging Technologies: AI, Machine Learning, and Big Data in Heritage Management
- Evaluating and Improving Heritage Data Management Systems

- Developing a Heritage Data Management and Preservation Plan
- Implementing Heritage Data Management Strategies in Your Institution

Register or ask about this course online

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