MUES P R O J E C T

National Museum Inventory System of Türkiye

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REPUBLIC OF TÜRKİYE MINISTRY OF CULTURE AND TOURISM Directorate-General Cultural Assets and Museums Project Coordination Office



Presentation Content

01 What is MUES?

The contribution of the system to Cultural Heritage Management. Benefits of digital transformation via MUES.

02 Project Design and Implementation

In-depth evaluation of needs and requirements at policy, decisionmaking, practice, and public levels.

03 Multidisciplinary Standardization

Inclusive and participative approach of Project MUES to establish a common terminology and strategy countrywide.

04 Dissemination and Follow-Up

Collaborative environments supporting peer-to-peer learning through training of trainers. Monitoring the digitalization process and new horizons to strengthen sustainability.

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MUES SYSTEM

A Breakthrough digital innovation in Cultural Heritage Management

Access

In-depth information for artifacts one click away from cultural heritage professionals

Immediate access to up-to-date information on archaeological sites, museums, and artifacts

An advanced communication network connecting museum and professionals

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Manage

Managing cultural heritage via a user-friendly e-government gateway application

Reinterpreting artifacts in line with recently developed data sets, standards in archaeology and museology

Powerful action against illicit-trafficking of artworks, effective measures preventing smuggling and fraud

Support

A robust baseline suitable to build a management decision support system for cultural assets

Immense contribution to grow cultural and archaeological tourism

Follow Up

Accurate due diligence for museums and more meticulous condition surveying for artifacts

Simpler and smarter follow-up artifacts after conservation treatment

Practical follow-up of the exhibition process in museums

Research

Improved research infrastructure and investigation capacity in the field of cultural heritage

Remedial to the problem of implicit knowledge in archaeology-related social sciences

A scientific bridge linking museum artifacts to published articles





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COMPONENTS

- MUES Servers •
- Disaster Recovery Center
 - Interface •

RELEVANT ACTORS

- Cultural Heritage Institutions
 - Public Museums •
 - Private Museums •
- Restoration and Conservation Laboratories
 - Archaeological Excavation Management
 - Law Enforcement •
 - Online Catalogue •
 - Cultural Heritage Professionals
 - Collectors •
 - Researchers
 - Students •
 - Museum Visitors and Enthusiasts •

WHAT KIND OF INFORMATION?

TECHNICAL INFORMATION

Scanned Inventory Form*

Former Inventory No*

Artifact Category > Classification*

Specific Name

Movable Property Regulation Group* Movable Transaction Form Registry No

Acquisition Method

Responsible Museum Staff

PHOTOGRAHY AND DRAWINGS

MEASUREMENT

SAFEKEEPING INFORMATION

Affiliated Museum Directorate *

Museum*

Building ID*

Positioned Area*

Location in the Area*

Placement in the Location*

Details (free-text)

Physical Condition*

Valuation (free text)*

Weaving/Craft Status

Manuscript/Lithography

Islamic/Non-islamic

Uniqueness

Ceremonial-Ritual Status

CHRONOLOGY INFORMATION

Era Period

Civilization

Emperor

Dating Range

Artist(s)/Artisan(s) (Who produced)

Gift giver (who ordered the production)

Gift Receiver

Owner (who used the artifact)

Donator (Donation to the Museum)

TRANSCRIPTION

PRODUCTION INFORMATION

Geographical Location Production Area The Mint Year of Minting **Direction of Minting Production Technique Decoration Technique(s) Stylistic Properties** Atelier/Workshop DEFINITION **BIBLIOGRAPHY** - Konum

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MUES PROJECT

Integrative approach from Research to Practice (R2P) in Cultural Heritage Management



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MUES PROJECT

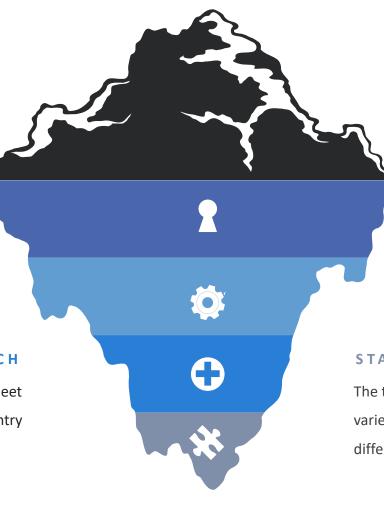
Integrative approach from Research to Practice (R2P) in Cultural Heritage Management

ALIGNMENT WITH REGULATIONS

System is designed in accordance with the existing laws and regulations to promote sustainability in transformative change towards the digital era

PARTICIPATIVE APPROACH

Involvement of practitioners from Museums is crucial to meet demands, reach greater user-friendliness, and data entry



PROJECT MANAGEMENT

Inter-institutional management approach to integrate traditional museology skills into new and emerging digital perspectives

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STANDARDIZATION

The terminology and work procedures that often varies in museums and laboratories depending on different doctrines are standardized

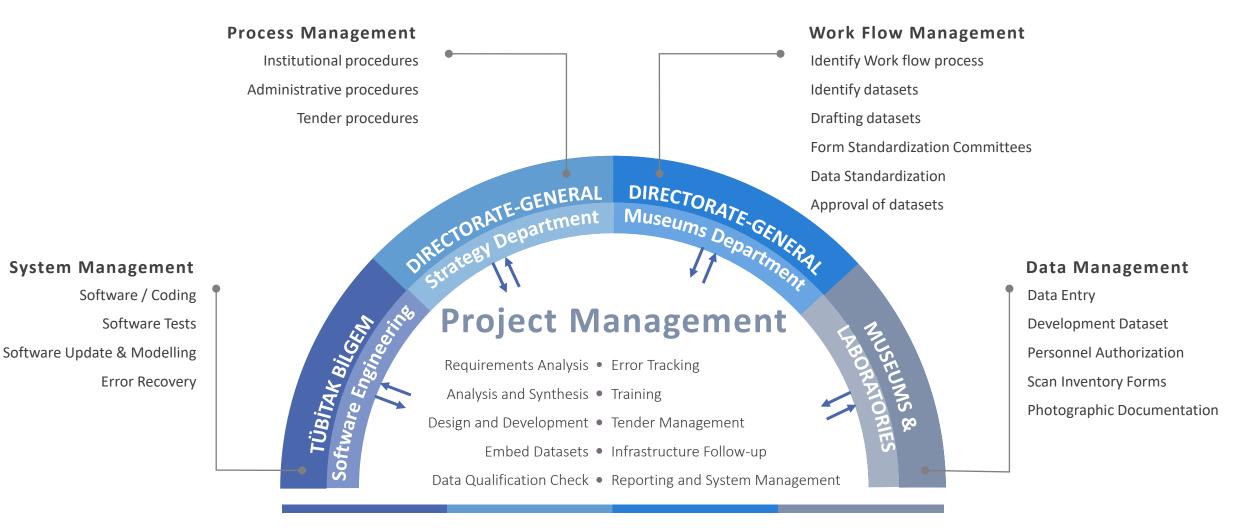
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INTER-INSTITUTIONAL TEAMWORK

Roles and Responsibilities



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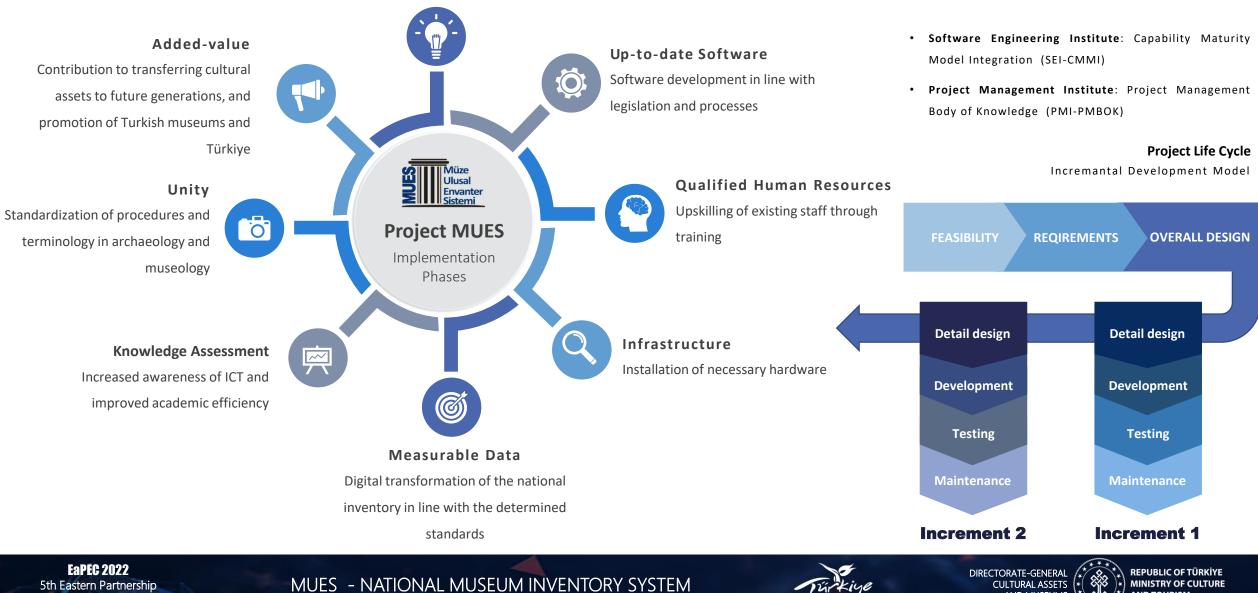
AND TOURISM

PROJECT MANAGEMENT Research and Innovation (R&I) System analysis and proposed solutions

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ANALYSIS AND SYNTHESIS

Different Approaches in Museums

12

- Inventory Forms
- Photographic Documentation Methods
- Storage and Display Methods
- Types of Storage and Exhibition Areas
- Internal Mangement Processess and Work-Flow
- Artifact Definition and Chronology

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STANDARDIZATION

PROCESS

Institutional Standardization

• Process flow aligned with legislations and regulations

Standardization of Artifact Definition

- Description of Artifacts
- Category and Classification of artifacts
- Chronology
- Materials
- Production Techniques
- Decoration Techniques
- Artifact Acquisition Method
- Cultural Asset ID
- Types and Units of Measurements
- Color Standards

Standardization of Inventorial Methods

- Visual Digitalization Methods and Standards
 - Photographic Documentation Standards

Scanning Standards

Spatial Standards

- Types and ID codes of Museums and Laboratories
- Storage, Exhibition and Treatment Area ID Codes

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3 Different Bodies

Museums, Archaeological Sites, Mouseloums (Turbe)

30 Subtypes of Bodies

Archaeological Museums, Art Galleries, Ethnography Museums, History Museums, City Museums, Science Museums, Palaces, Monuments, Monastery, Castle, Underground Cities, Caves, etc.

11 Types of Area in Museums

Open-air/Garden Exhibition, Open-air Storage, Courtyard, Storage Room, Storage Exhibition, Foyer, Hall, Ancient Site, Private Exhibition, Showroom Storage, Exhibition Hall

9 Types of Placement in Museum Areas

Exposed, Open display, Outdoor, Sliding case, Storage cabinet, Safe, Panel, Shelf, Showcase

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54 Artifact Category

Archival documents, Horologe, Weapons, Cuneiforms, Agricultural Tools, Toys, Relics, Kitchen Tools, Maritime tools, Dresses, Communication tools, Musical instruments etc.

1155 Artifact Classes

For archival documents **30** classes, For horologes **7** classes, for Weapons **72** classes, etc.

10 Territorial Chronologies

America, Anatolia and the Near East, Arabian Peninsula, Europe, Iran, Roche, Mesopotamia, Egypt, Central Asia, Far East

49 Eras

With **124** Periods, **382** Civilization, **499** Period-Civilization Cross-Mappings, and **3671** Emperors



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15 Ancient Material Groups

Paints, Natural Stones, Fossils, Bone/Ivory, Horn/Antler, Gemstones, Paper/Parchment, Resinous, Plastics, Earthenware, Metals, Glass, Wood, Textile, Illumination materials



With descriptions and examplary images

101 Ancient Production Techniques

With **888** Materials-Production Technique Cross-Mappings

133 Decoration Techniques

With **1077** Materials-Decoration Techniques Cross-Mappings



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81 Provinces in Türkiye

And 985 Districts, 110 Museum Directorates, and 476 Affiliated Museums, Archaeological sites, and Turbes

36 Cultural Heritage Professions

With **41** Titles, **8** Employment Classes, **71** Fields of Expertise

1025 Museum Staffs

With **3141** Role authorization, i.e. Museum Manager, Museum Expert, Museum System Supervisor, etc.

59688 Publications

Linked to digitalized inventory records, artifact by artifact



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TRAINING AND SUPERVISION

Dissemination process was involved training of trainers. Hands-on training at Pilot Museums carried out at 21 intersection provinces.



User Handbook and MUES Guidelines



Book: Photographic Documentation for Museum Professionals

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National Museums are re-documenting the complete inventory of artifacts, in line with the newly-established photographic documentation standards: i.e., compositional, visual, digital, and scale.

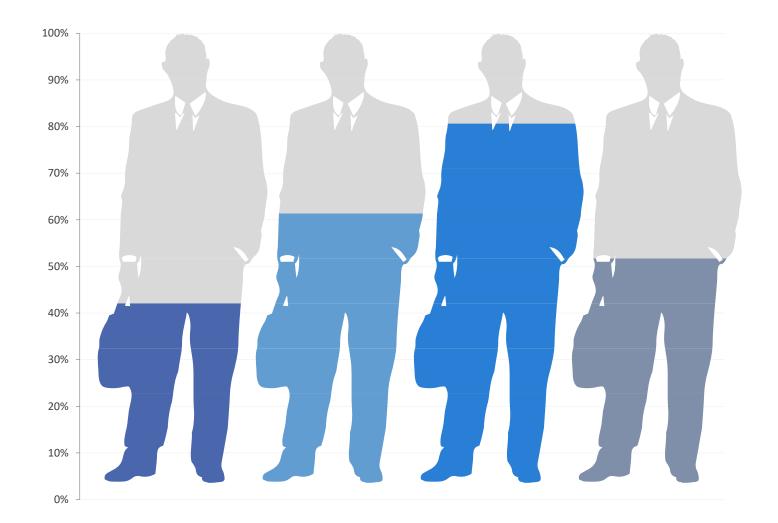
HD PHOTOGRAPHY

STANDARDIZATION OF DOCUMENTATION PROCESS AND RE-DOCUMENTATION BY HD CAMERAS



PARTICIPANT SURVEYS

Rates of training participants whose voted 90 points and above





What is your professional opinion on MUES?

Please rate 0 to 100 in accordance with your user-experience throughout the training

98%

What is your opinion on the efficiency of MUES System Officer Training?

Please rate 0 to 100 in accordance with your experience as a training participant

98%

What is your opinion on overall performance of Trainers throughout the training?

Please rate 0 to 100 in accordance with your experience as a training participant

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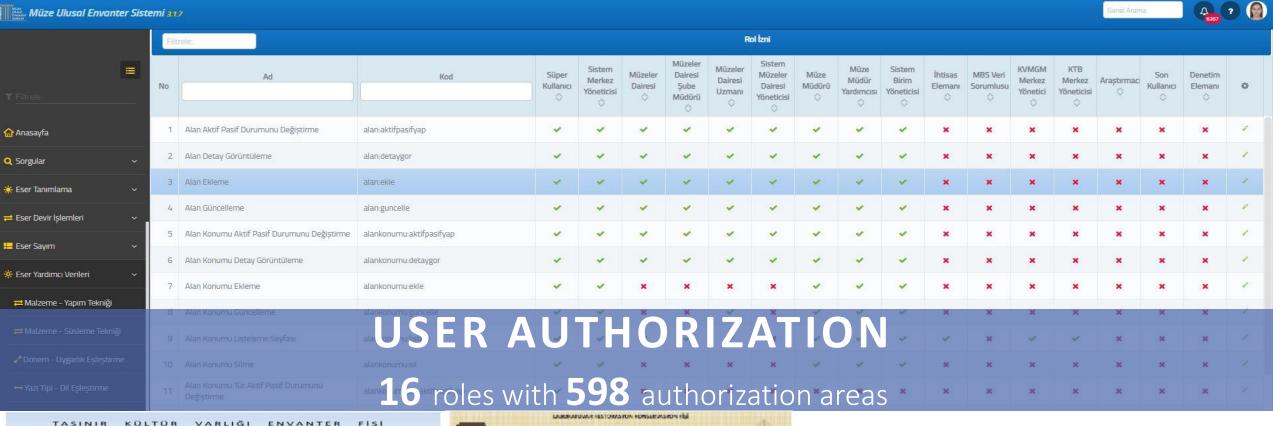
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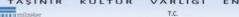
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	KÜLTÜR VE TURİZM BAKANLIĞI
	Kültür Varlıkları ve Müzeler Genel Müdür
ANR	ARA ETNOGRAFYA MÜZESİ MÜDÜ

ESERII



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Standard Inventory Form

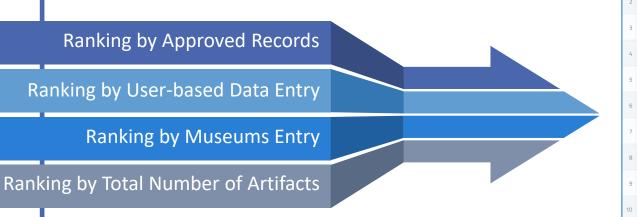
Authorized Users including researchers, students, and public members can display Inventory form of assigned artifacts.

Classified information such as the location, expert responsible of the artifact, museum valuation, etc. are restricted areas for non-staff MUES users.

MONITORING

The progress in Digital Transformation

MUES allows administrators to effectively track the rate of digitalizated inventory from the headquarters of Directorate-General Cultural Assets and Museums



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2	Ayasofya Müzesi Müdürlüğü	Les	2897	0	146	З	2.897 %100	2.897			
з	Bandırma Müzesi Müdürlüğü		3590	0	39	0	3.590 %100	3.590			
4	Bayburt Müzesi Müdürlüğü		146	0	0	0	146 %100	146			
5	Tunceli Müzesi Müdürlüğü		1723	0	0	0	1.723 %100	1.723			
6	Cumhuriyet Müzesi Müdürlüğü		2300	1	6	2	2.300 %99	2.317			
7	Rize Müzesi Müdürlüğü		2074	9	4	1	2.074	2.082			
8	Mersin Müzesi Müdürlüğü		31728	0	58	33	31.728 %96	32.976			
9	Muğla Müzesi Müdürlüğü		6535	336	2899	З	6.535 %68	9.523			
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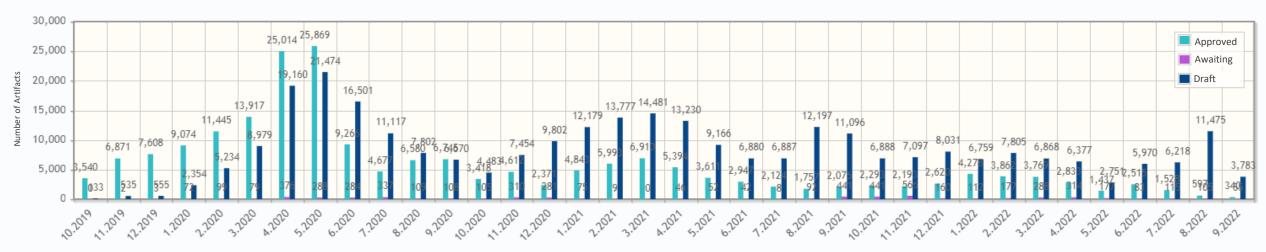
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THANK YOU

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Müze

Ulusal

Envanter Sistemi

Arif Akkaş, Ali Badem

TÜBİTAK The Scientific and Technological Research Council of Türkiye

BİLGEM Informatics and Information Security Research Center

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