

# AN ELECTRONIC RECORDS MANAGEMENT SYSTEM AT ICCROM

TEAM Italy, Case study 01

InterPARES Summit/Symposium, Istanbul, 10-11 May 2012 María Mata Caravaca, Archivist (mmc@iccrom.org)



## **ICCROM**

International Centre for the Study of the Preservation and Restoration of Cultural Property



San Michele Complex, Rome, Italy



# ICCROM (www.iccrom.org)

• Founded by UNESCO in 1956

Intergovernmental organization:
 132 Member States

Staff: 35 people

#### Impact Assessment as Tool for Heritage Management Course



Kareima, Sudan

## Conservation of Wall Paintings



Behdaidat, Lebanon

## Conservation of Japanese Paper



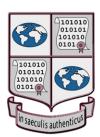
Tokyo, Japan

SOIMA: Safeguarding sound and image collections





India

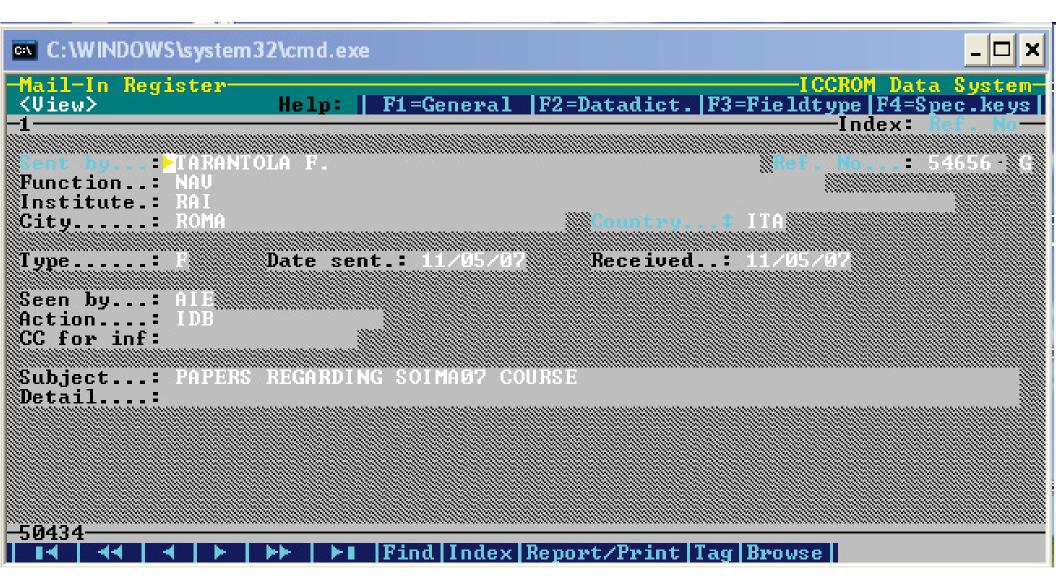


# **InterPARES 3 Project**

**International Research on Permanent Authentic Records in Electronic Systems** 

TEAM Italy

## CHALLENGES





## **OBJECTIVES**

- To manage active records in a reliable electronic system and following archival principles
- To plan digital preservation from records creation
- To apply InterPARES research outcomes: methodologies, metadata, etc.



## PROJECT METHODOLOGY

- Working group
- Contextual analysis template
- Final report template



## PROJECT PHASES

1. Records classification scheme and retention schedule

- 2. Records management software
- 3. Staff training
- 4. Records management manual



# ACHIEVEMENTS (2009)

Phase 1. Records classification scheme and retention schedule

Cod.	I level	II level	III level	Files	Sub-files	Content / Notes	Retention/ Disposal	Confid. records
1	Governance							
1.1		General Assembly						
				No. of Assembly				
					Preparatory work	Correspondence, Forms, ICCROM Award, Inauguration, Exhibition, Open house, Visits, Lists, Services	4	
					Credentials Committee		4	
					Candidature Committee		4	
					Final documents		Р	

Cod	I level	II level	III level	Files	Sub-files	Content / Notes	Retent./ Disposal	Confidential records
1.2		Council						
1.2.1			Appointment of DG				Р	Confidential
1.2.2			Council meeting					
				No. of meeting				
					Preparatory work		4	
					Final documents		Р	



# ACHIEVEMENTS (2010)

Phase 2. Records management software:

2.1 Functional requirements



## FUNCTIONAL REQUIREMENTS

- Archival:
  - Registration
  - Classification and filing
  - Retention and disposal
  - Security controls
  - Search and retrieval
  - Elaboration of reports and statistics



## FUNCTIONAL REQUIREMENTS

- Technological:
  - Application platforms
  - Management of e-mails
  - Records authenticity
  - Others (records transfer and export, remote work, single sign on)



## FUNCTIONAL REQUIREMENTS

Technological:

- Formats:
  - Open and free
  - Proprietary with documentation
  - Platform independent

#### Reference:

InterPARES General Study 11: Selecting Digital File Formats for Long-Term Preservation, E.P. McLellan, 2007



#### REFERENCES

InterPARES 2, 2008

MoReq2 (2008)

ISO 15489:2001



# ACHIEVEMENTS (2010)

Phase 2. Records management software:

2.2 Market survey of software



## MARKET SURVEY

Evaluation of ERMS / EDMS

- Three critical parameters:
  - Open source
  - ERMS
  - International standards

Selection of software: Alfresco



# **CURRENT PHASE (2010-2012)**

Phase 2. Records management software:

2.3 Software customization



# **CURRENT PHASE (2010-2012)**

#### 2.3 Software customization

- Analysis
- System development
- Release and testing
- Final test
- Staff training

#### MEDATADA FOR RECORDS REGISTRATION IN THE PROTOCOL REGISTER

	Incoming mail	Outgoing mail	Internal records
1	ID (given by the db)	ID (given by the db)	ID (given by the db)
2	Registration number	Registration number	Registration number
3	Date of registration	Date of registration	Date of registration
4	Date of receipt		
5	Date of the receipt record	Date of creation	Date of creation
	Registration number of the receipt		
6	record		
7		Writer	Writer
8		Author	Author
9	Name of sender	Name of recipient	Name of recipient (opt.)
10	Address of sender	Address of recipient	
11	Subject	Subject	Subject
12	Number of attachments	Number of attachments	Number of attachments
13	Description of attachments	Description of attachments	Description of attachments
	Documentary form (letter, e-mail,	Documentary form (letter, e-mail,	Documentary form (letter, e-mail,
14	report, contract, image, video, etc.)	report, contract, image, video, etc.)	report, contract, image, video, etc.)
15	Number of inventory	Number of inventory	Number of inventory
	•	·	·



#### REFERENCES

- InterPARES 2, 2008
- MoReq2, Appendix 9 (2008)
- Titulus 97 (Italian inter-university project)
- Doqui-Acta, 2008 (Piemonte Region ERMS)



# **CURRENT PHASE (2010-2012)**

#### 2.3 Software Customization

- Analysis
- System development
- Release and testing
- Final test
- Staff training



International Centre for the Study of the Preservation and Restoration ICCROM of Cultural Property



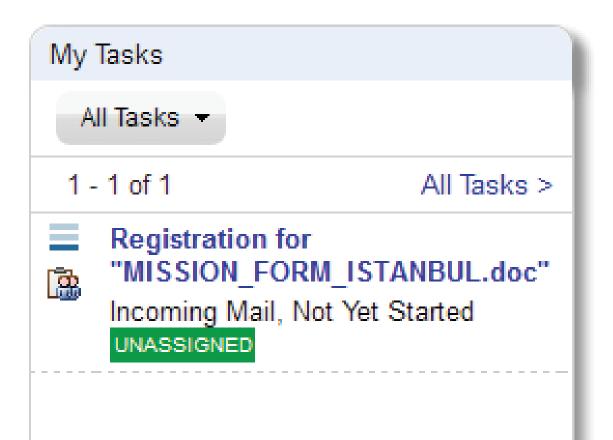




My Dashboard

My Repository

#### Maria Mata Caravaca Dashboard



The official website of ICCROM

My Documents

Favorites

I'm Editing

No documents to display

Mail Properties Personalize Message Source Discussion Thread

From: <registration@iccrom.org>

To: Maria Mata Caravaca

Subject: New document for Action

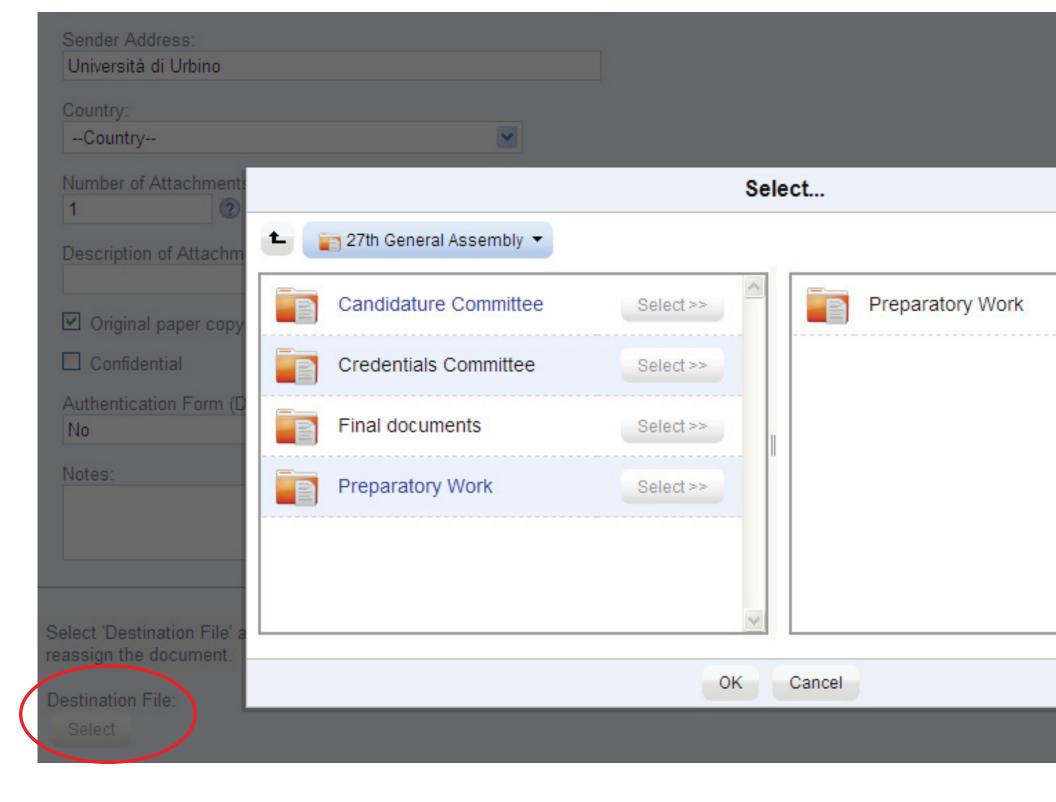
You have received a document that requires your action.

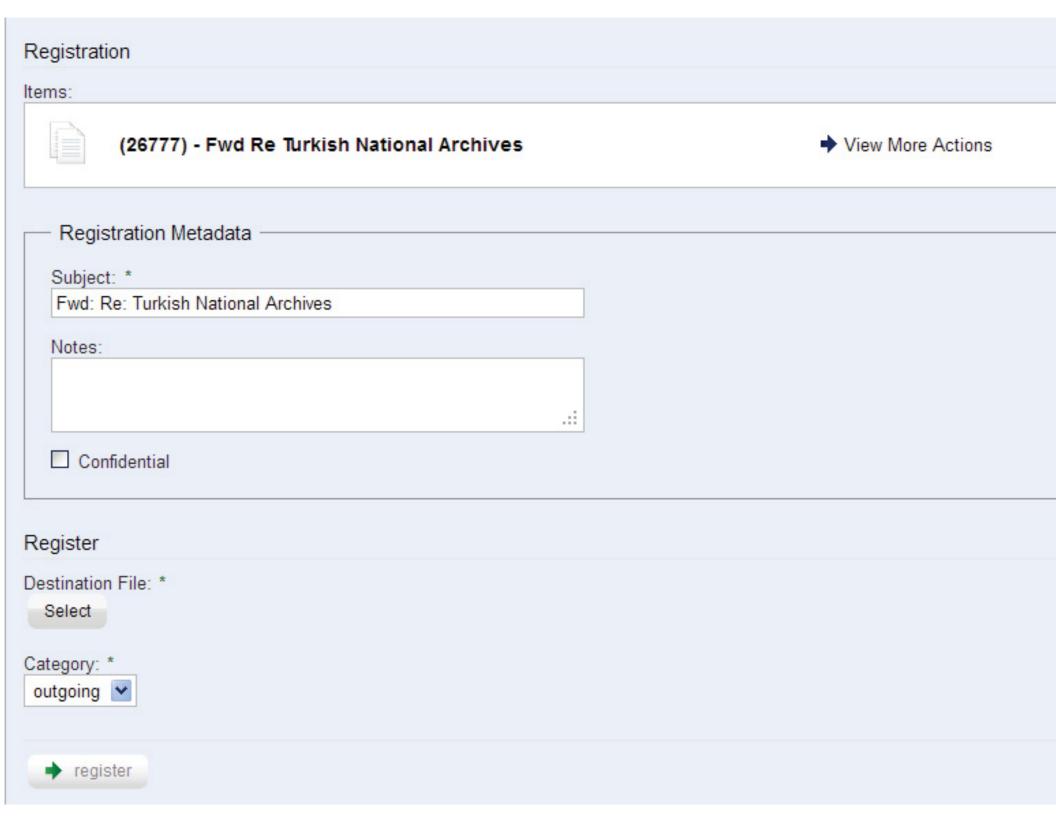
To edit details of the registration, click the following link: <a href="http://ERMS.ICCR@Details">http://ERMS.ICCR@Details</a>

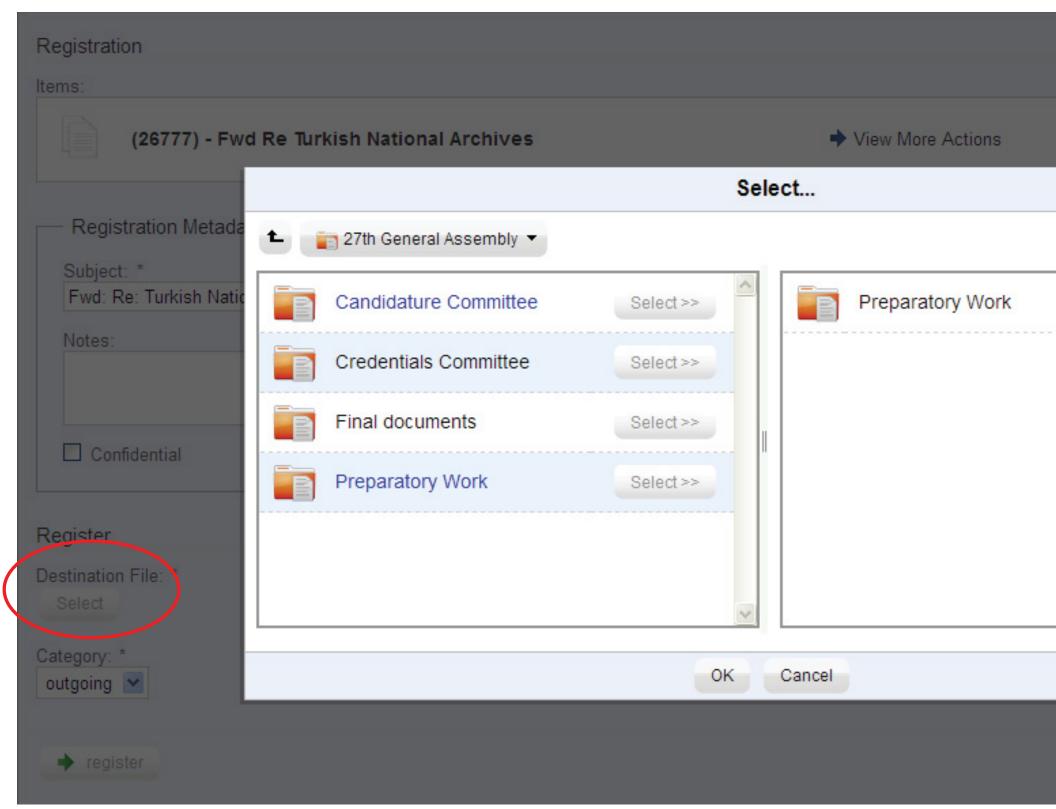
To access the document, click here: <a href="http://ERMS.ICCROM.ORG/share/prox">http://ERMS.ICCROM.ORG/share/prox</a>

eb694f0bd473/MISSION FORM ISTANBUL.doc?a=true

Date of Assignment: 7/5/2012 DD/MM/YYYY
Items:
MISSION_FORM_ISTANBUL.doc
Registration Metadata
Upload date: 7/5/2012 DD/MM/YYYY
Date received: *  7/5/2012  DD/MM/YYYY
Date on incoming mail:  1/5/2012  DD/MM/YYYY
Registration number of incoming mail:
Subject: * MISSION_FORM_ISTANBUL.doc
Sender Name: *
Maria Guercio



















My Dashboard

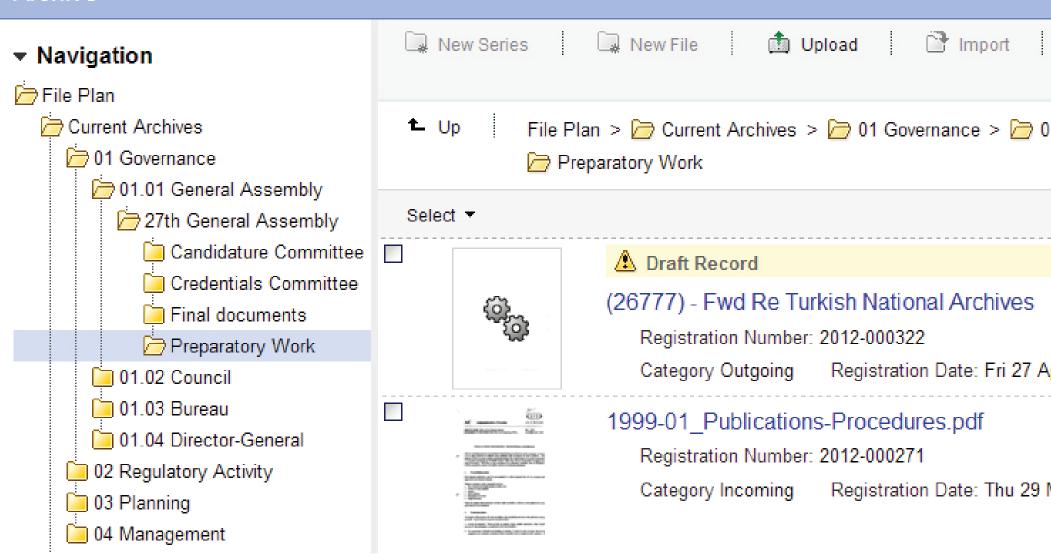
My Repository

My E-mail

My Registrations

My Content

#### Archive



Registration Number: *	
2012-000322	
Registration Date: * 27/4/2012 DD/MM/YYYY	
Upload Date: 27/4/2012 DD/MM/YYYY	
Name: *	
Fwd: Re: Turkish National Archives	
Subject: *	
Fwd: Re: Turkish National Archives	
	.::
Author: *	
Maria Mata Caravaca	
Writer:	
vviitor.	
Sent date:	
20/4/2012	
DD/MM/YYYY	
Recipient Name: *	
Aparna Tandon	
Recipient Address:	
at@iccrom.org	
	.::



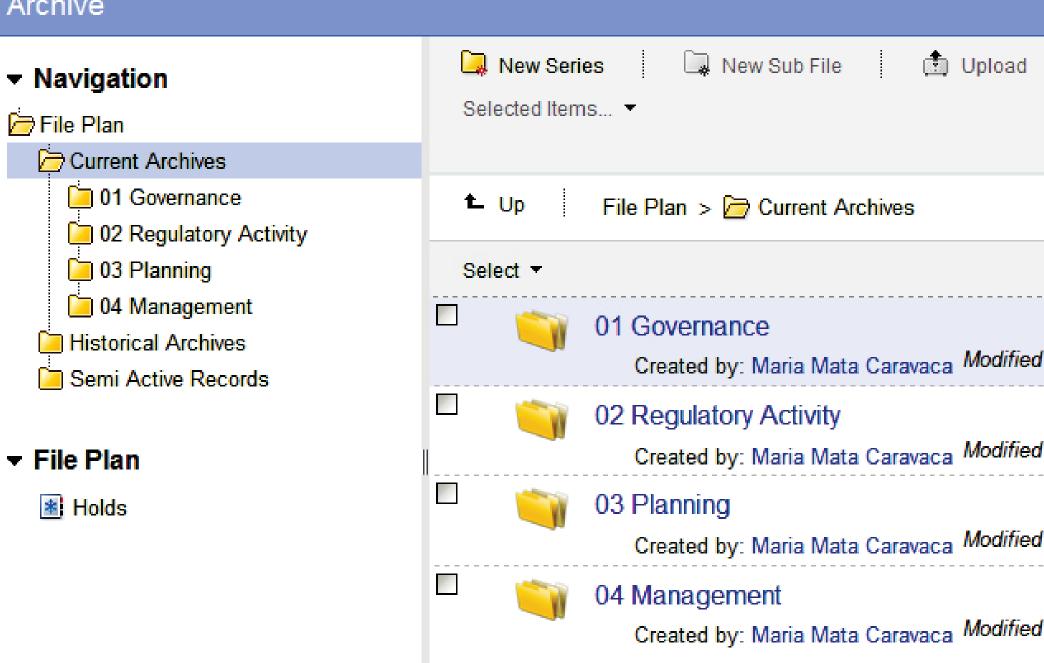








#### Archive









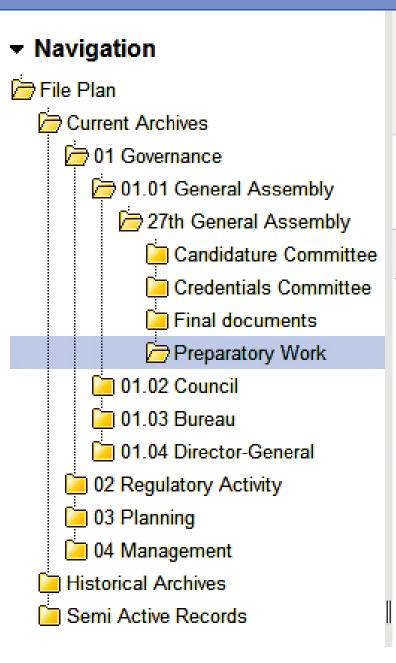


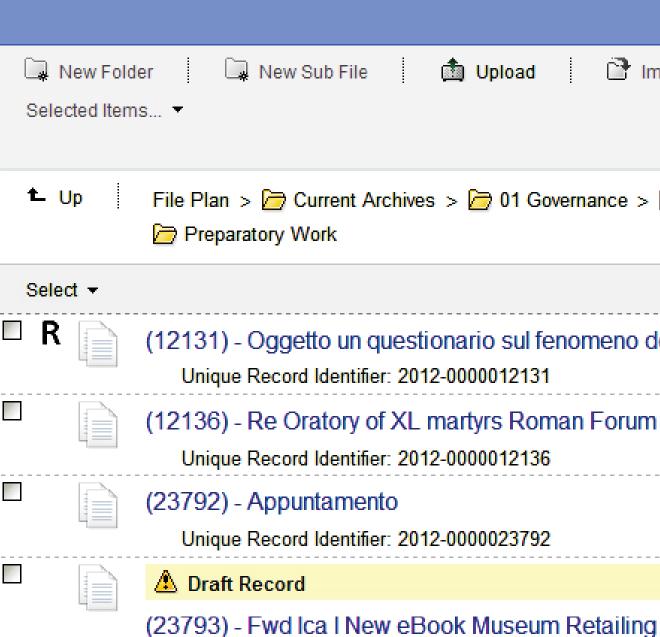




A CONTRACTOR

#### Archive





Modified on: 25 April 2012 By: Maria Mata Caravaca

### Metadata

Created: Tue 03 Jan 2012 11:17:27

Creator: Mmc

Identifier: 2012-0000001101

Name: 27th General Assembly

Description: 2011

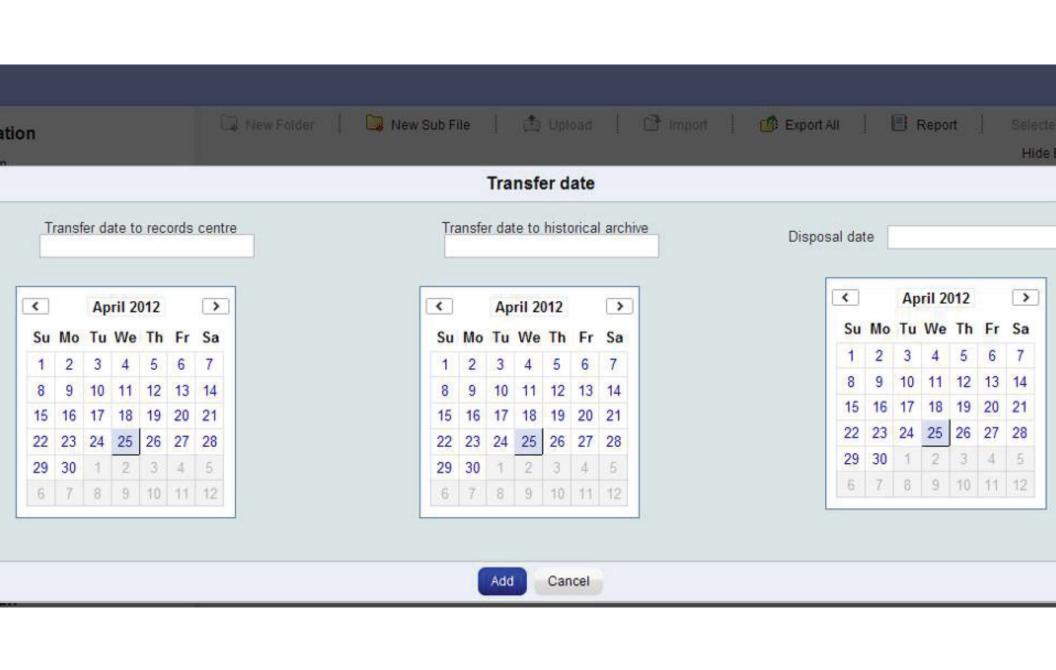
Permanent: No

Number of Subfile: 1

Transfer to records centre: Thu 01 Nov 2012

Disposal date: (None)

Transfer to historical archive: (None)



Mail Properties Personalize Message Source Discussion Thread

From: <registration@iccrom.org>

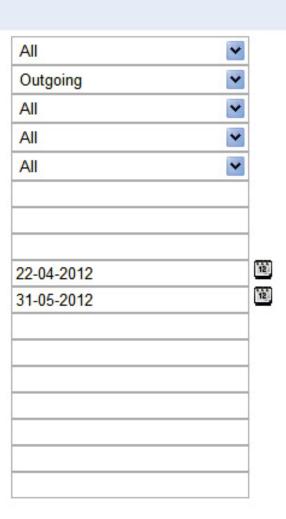
To: Maria Mata Caravaca; Roberto Nahum

Subject: List of items scheduled for archiving in the current month

The following list of items will be stored in Semi Active Records in the current month:

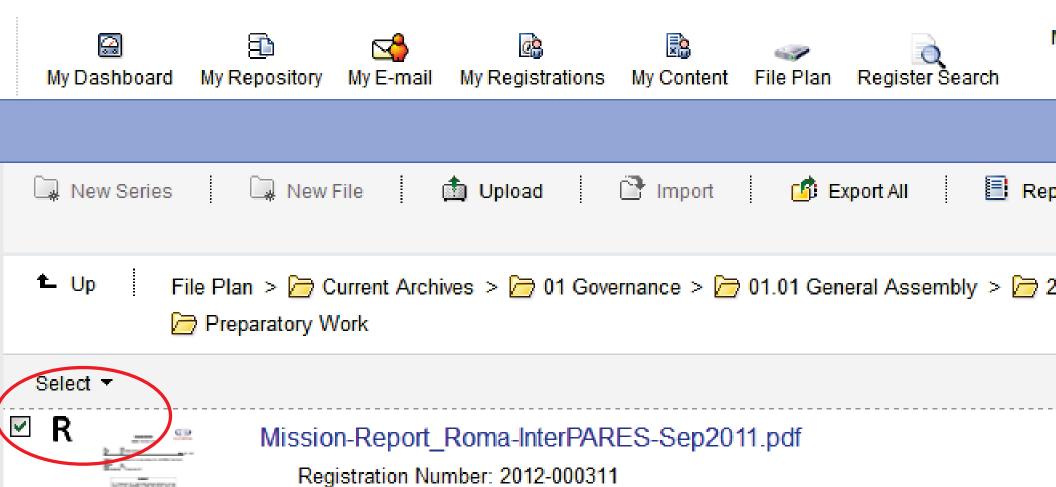
Name: Candidature Committee - Location /Current Archives/01 Governance/01.01 Ger

#### Registration search Archive: Cat: Status: Country: Doc. type: Document name: Document subject: Reg. no: Registr. date (from): Registr. date (to): Inventory no: Classification code: Notes: Sender Name: Recipient Name: Keywords: Full text: Q Search Reset





Cat	Status	Document name	Document subject	Country	Reg. no	Reg. date	Classification code
•		(23795) - Fwd Preservation Week	Fwd: Preservation Week		2012-000309	25/04/2012	/Current Archives/01 Governa General Assembly/27th General Assembly/Candidature Committee/(23795) - Fwd Pro Week
•	<u> </u>	(26777) - Fwd Re Turkish National Archives	Fwd: Re: Turkish National Archives		2012-000322	27/04/2012	/Current Archives/01 Governa General Assembly/27th General Assembly/Preparatory Work Fwd Re Turkish National Arc



Category Incoming Registration Date: Fri 27 Apr 2012 08:39:54

## 9

#### Mission-Report\_Roma-InterPARES-Sep2011.pdf



#### MISSION REPORT



(Action: Information only)

To: MBO

From: María Mata Caravaca

CC: PA Date: 25/11/2011

Subject: Attendance to a one-day meeting of the InterPARES 3 Italy Project

Country: Italy Place: Rome

Dates of activity: 13 September 2011

#### SUMMARY

On 13 September 2011, Maria Mata Caravaca attended a one-day meeting of the InterPARES 3 TEAM Italy Project, which was organized in Rome. Ms. Mata Caravaca presented an up-date of ICCROM's records management project.

#### The meeting dealt with the following topics:

- InterPARES Summit in Barcelona (October 2011). An InterPARES TEAM Italy
  member will attend the Summit. This member will present TEAM Italy case
  studies progress, and the new technical rules for digital preservation
  elaborated by DigitPA (Ente Nazionale per la Digitalizzazione della Pubblica.
  Amministrazione). These rules reflect InterPARES principles and OAIS
  standard (Open Archival Information System).
- Summing-up the study on the preservation of the protocol register.
- ICA-SAE curriculum resources for management and preservation of electronic records. InterPARES and ICA-SAE (Section for Archival Education) have produced e-learning modules on digital preservation. These modules were sent to InterPARES members for comments and will be presented to the ICA Congress in Australia in 2012.
- Summing-up TEAM Italy case studies. Ms. Mata Caravaca gave an up-date of ICCROM's records management project. Progress on the software oustomization and criticalities encountered were explained.

#### Metadata

#### Identification and Status

Registration Number: 2012-000311

Registration Date: Fri 27 Apr 2012

Seen By: Mmc

Date received: Fri 27 Apr 2012

Date of original mail: (None)

Registration number of original mail:

(None)

Name: Mission-Report\_Roma-

InterPARES-Sep2011

Subject: Mission-Report\_Roma-

InterPARES-Sep2011.pdf

#### References

Manage

#### From other records

No references exist

#### To other records



Supersedes Mission-Report\_Roma-InterPARES-Sep2011v2.doc

## References

Manage

## From other records

No references exist

### To other records



Supersedes Mission-Report\_Roma-InterPARES-Sep2011v2.doc









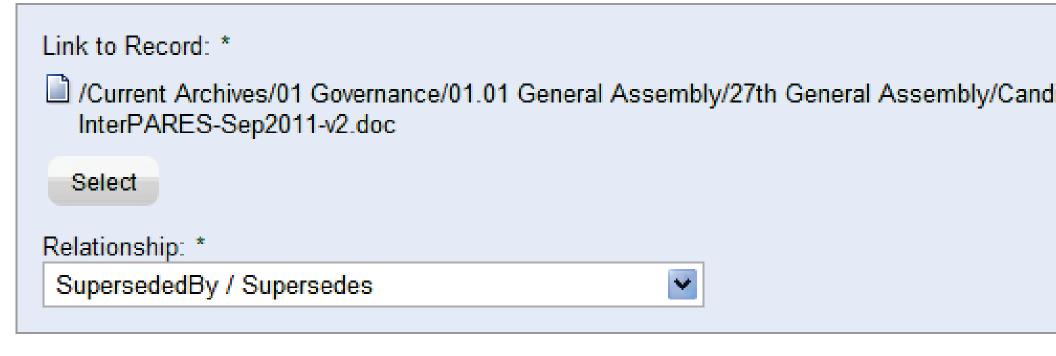
Archive

Site Dashboard File Plan

Records Search

Members

### New Reference



Create

Cancel



# Software Customization: SETBACKS

- Underestimation of the project complexity and costs by the software company
- Incoming registration workflow not analyzed in detail



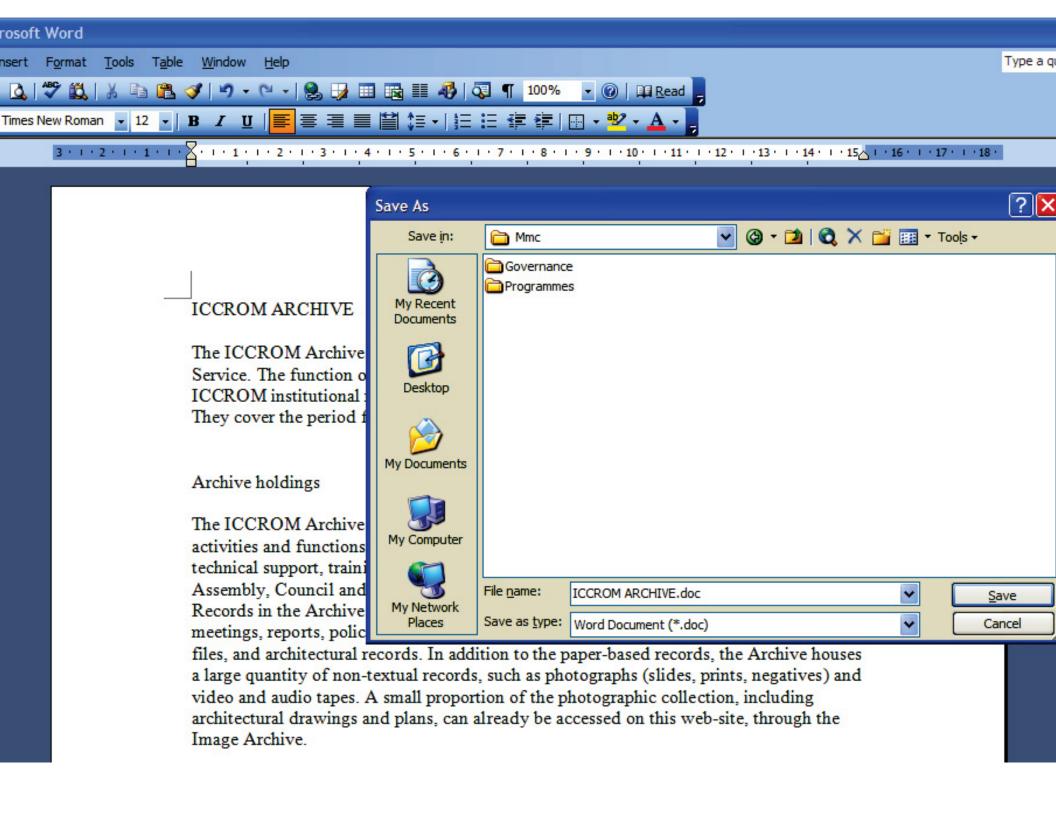
# Software Customization: SETBACKS

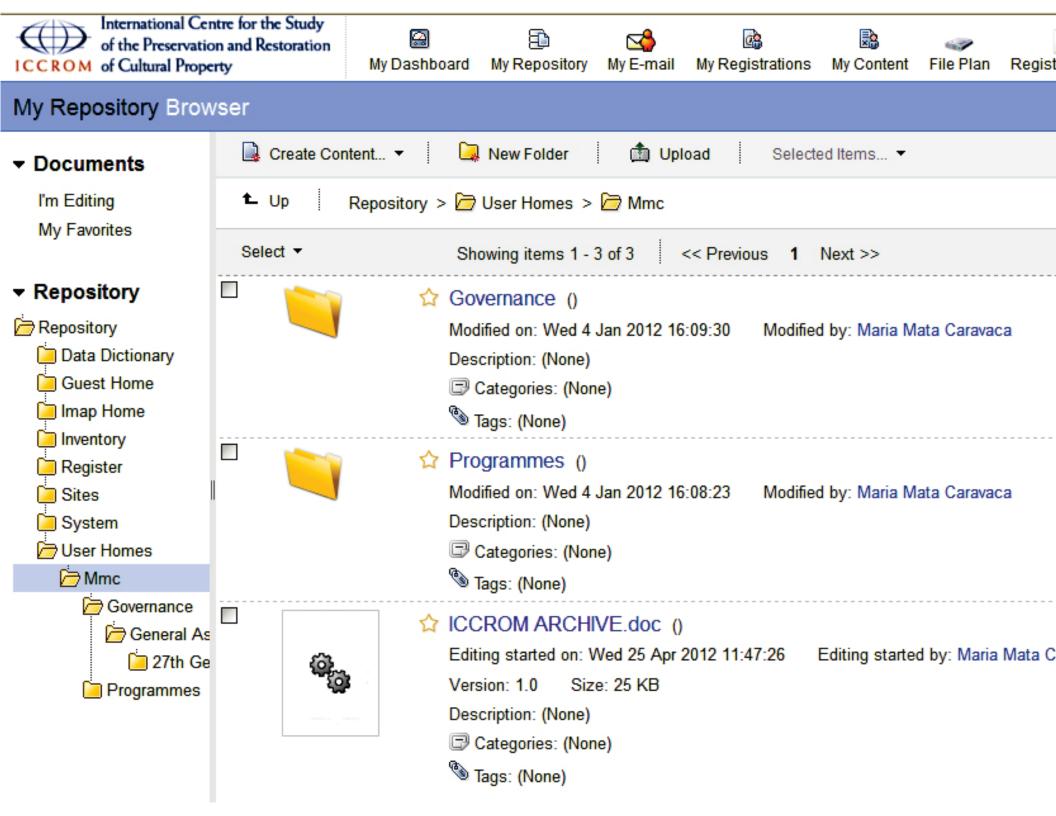
- Unforeseen functionalities

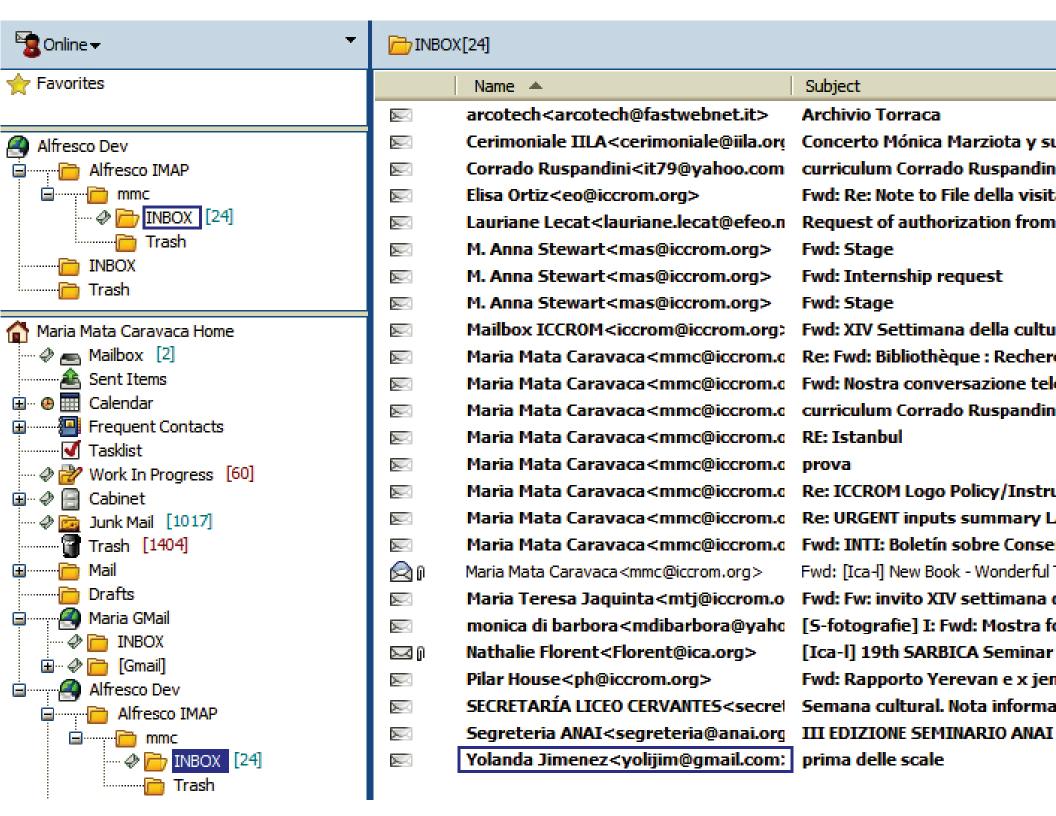


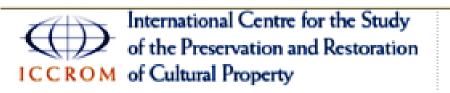
# Software Customization: SETBACKS

- 2 bugs: CIFS and IMAP

















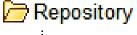
My Registrations My E-mail

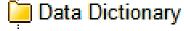
## My Repository Browser

### Documents

I'm Editing My Favorites

### ▼ Repository

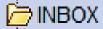




Guest Home

Emap Home

mmc mmc



Trash

Inventory

Register

Sites

System

User Homes





New Folder



Upload

Selected

**t** Up

Repository > Property | Imap Home > Ima

Select \*

Showing items 1 - 25 of 25 << Previous

prima delle scale ((24564) - prima delle scale)

Modified on: 30 March 2012 By: Maria Mata Caravaca



Request of authorization from Arts Asiatiques ((24652)

Modified on: 30 March 2012 By: Maria Mata Caravaca



😭 curriculum Corrado Ruspandini ((25089) - curriculum Cor

Modified on: 18 April 2012 By: Maria Mata Caravaca



😭 Fwd: XIV Settimana della cultura - Iniziative ICCD ((2 Modified on: 19 April 2012 By: Maria Mata Caravaca



🏠 Fwd: Fw: invito XIV settimana della culltura ((25172) - F

Modified on: 19 April 2012 By: Maria Mata Caravaca



# Software Customization: LESSONS LEARNT

- Functional requirements: workflows
- Software company marketing
- Surplus of 20-40% of budget



## ACHIEVEMENT (2011)

## Phase 4. Records management manual:

- Records management policy
- Records management procedures
- Digital preservation and access policy



## NEXT PHASES (2012)

Phase 2. Records management software: Customization / Implementation

Phase 3. Staff training



## CONCLUSIONS

Project complexity

Support from the Management and staff

Fruitful communication with IT people