**SCAPE**

Project ID: 270137  
Funded under: FP7-ICT

**Scalable Preservation Environments**

*From 2011-02-01 to 2014-09-30, closed project | SCAPE Website*

**Project details**

| Total cost: | EUR 12 092 492 |
| Topic(s): | ICT-2009.4.1 - Digital libraries and digital preservation |
| EU contribution: | EUR 9 177 833 |
| Funding scheme: | CP - Collaborative project (generic) |
| Coordinated in: | Austria |

**Objective**

The SCAPE project will enhance the state of the art of digital preservation in three ways: by developing infrastructure and tools for scalable preservation actions; by providing a framework for automated, quality-assured preservation workflows and by integrating these components with a policy-based preservation planning and watch system. These concrete project results will be validated within three large-scale Testbeds from diverse application areas: Digital Repositories from the library community, Web Content from the web archiving community, and Research Data Sets from the scientific community. Each Testbed has been selected because it highlights unique challenges. SCAPE will develop scalable services for planning and execution of institutional preservation strategies on an open source platform that orchestrates semi-automated workflows for large-scale, heterogeneous collections of complex digital objects. These services will be able to:  
* Identify requirements for preserving all or parts of a repository through characterisation and trend analysis;  
* Define responses to those needs using formal descriptions of preservation policies and preservation plans;  
* Allow a high degree of automation, virtualization of tools, and scalable processing;  
* Monitor the quality of preservation processes.  
The SCAPE consortium brings together experts from memory institutions, data centres, research labs, universities, and industrial firms in order to research and develop scalable preservation systems that can be practically deployed within the project lifetime. Through a project extension in the final year, SCAPE will broaden its scope with respect to the utilized deployment models and infrastructures available to the project. New activities include the development of new scientific use-cases, advanced preservation services, and installations of the SCAPE environment in high performance computing (HPC) data centers. These use cases will further demonstrate the generic nature of the SCAPE approach and its applicability in the new Data Center Testbed. SCAPE is dedicated toward producing open source software solutions available to the entire digital preservation community. The project results will be curated and further exploited by the newly founded Open Planets Foundation. Project results will also be exploited by an SME and research institutions within the consortium catering to the preservation community and by two industrial IT partners.

**Related information**

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**Coordinator**

AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH  
GEIFINGGASSE 4  
1210 WIEN  
Austria  
EU contribution: EUR 1 335 798

**Activity type:** Research Organisations

**Administrative contact:** Felix Schröpfer  
Tel.: +43 50550 2069  
Fax: +43 50550 2097  
Contact the organisation

---

**Participants**

TECHNISCHE UNIVERSITAET WIEN  
KARLSPLATZ 13  
1040 WIEN  
Austria  
EU contribution: EUR 849 640

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Andreas Rauber  
Tel.: +43 1 58801 18826  
Fax: +43 1 58801 18899  
Contact the organisation

Österreichische Nationalbank  
JOSEFSPLATZ 1  
1015 WIEN  
Austria  
EU contribution: EUR 512 275

**Activity type:** Research Organisations

**Administrative contact:** Max Kaiser  
Tel.: +43 1 53410370  
Fax: +43 1 53410681  
Contact the organisation
VYSOKE UCENI TECHNICKE V BRNE  
ANTONINSKA 548/1  
601 90 BRNO STRED  
Czechia  
See on map  
**Activity type:** Higher or Secondary Education Establishments  
**Administrative contact:** Pavel Smrz  
Tel.: +420 541141282  
Contact the organisation

FIZ KARLSRUHE - LEIBNIZ-INSTITUT FUR INFORMATIONSINFRASTRUKTUR GMBH  
HERMANN-VON-HELMHOLTZ-PLATZ 1  
76344 EGGENSTEIN-LEOPOLDSHAFEN  
Germany  
See on map  
**Activity type:** Research Organisations  
**Administrative contact:** Leni Helmes  
Tel.: +49 7247 808408  
Fax: +49 7247 808133  
Contact the organisation

TECHNISCHE UNIVERSITAT BERLIN  
STRASSE DES 17 JUNI 135  
10623 BERLIN  
Germany  
See on map  
**Activity type:** Higher or Secondary Education Establishments  
**Administrative contact:** Simone Ludwig  
Tel.: +49 30 314 21371  
Fax: +49 30 314 21689  
Contact the organisation

STATSBIBLIOTEKET  
VICTOR ALBECKS VEJ 1  
8000 ARHUS C  
Denmark  
See on map  
**Activity type:** Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)  
**Administrative contact:** Bjarne Andersen  
Tel.: +45 89462165  
Contact the organisation
UNIVERSITE PIERRE ET MARIE CURIE - PARIS 6
Place Jussieu 4
75252 PARIS
France
See on map

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Stéphanie ROSSARD
Tel.: +33 1 44279712
Fax: +33 1 44277484

Contact the organisation

---

EX LIBRIS LTD.
MALCHA TECHNOLOGICAL PARK
91481 JERUSALEM
Israel

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** David Beychok
Tel.: +972 2 649 9220
Fax: +972 2 679 8634

Contact the organisation

---

STICHTING INTERNET MEMORY FOUNDATION
KEIZERSGRACHT 62-64
1015 CS AMSTERDAM
Netherlands

**Activity type:** Research Organisations

**Administrative contact:** NATALIE PISCHON
Tel.: +33954878293
Fax: +33959878293

Contact the organisation

---

KONINKLIJKE BIBLIOTHEEK
PRINS WILLEM ALEXANDERHOF 5
2595 BE DEN HAAG
Netherlands

**Activity type:** Research Organisations

**Administrative contact:** Hildelies Balk
Tel.: +31 70 314 0138
Fax: +31 70 314 0427

Contact the organisation
ZIELANDOW
ULICA SZAMARZEWSKIEGO
60 569 POZNAN
Poland

**Activity type:** Research Organisations

**Administrative contact:** Pawel Komin
Tel.: +48 6166 54 221
Fax: +48 61 66 31 088

Contact the organisation

---

INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK
NOSKOWSKIEGO 12-14
61 704 POZNAN
Poland

**EU contribution:** EUR 142 880

**Activity type:** Research Organisations

**Administrative contact:** Anna Jarkowska
Tel.: +48 61 858 21 00

Contact the organisation

---

KEEP SOLUTIONS LDA
RUA ROSALVO DE ALMEIDA 5
4710 429 BRAGA
Portugal

**EU contribution:** EUR 372 486

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Miguel Ferreira
Tel.: +351966956438
Fax: +351 253604471

Contact the organisation

---

UNIVERSITATEA DE VEST DIN TIMISOARA
BD VASILE PARVAN 4
300223 TIMISOARA
Romania

**EU contribution:** EUR 90 880

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Dana Petcu
Tel.: +40256592370

Contact the organisation
EU contribution: EUR 698,094

Polaris House North Star Avenue
SN2 1SZ SWINDON
United Kingdom
See on map

Activity type: Research Organisations

Administrative contact: Simon Lambert
Tel.: +441235445716
Fax: +441235446403
Contact the organisation

THE BRITISH LIBRARY BOARD
96 EUSTON ROAD
NW1 2DB LONDON
United Kingdom
See on map

Activity type: Research Organisations

Administrative contact: Adam Farquhar
Tel.: +44 1937 54 6515
Contact the organisation

Open Planets Foundation
LINCOLN'S INN FIELDS
WC2A 3LH LONDON
United Kingdom

Activity type: Other

Administrative contact: Bram van der Werf
Tel.: +44 1937 54 6822
Contact the organisation

MICROSOFT RESEARCH LIMITED
JJ THOMSON AVENUE 7
CB3 0FB CAMBRIDGE
United Kingdom
See on map

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Natasa Milic-Frayling
Tel.: +44 1223 479 700
Fax: +44 1223 479 999
Contact the organisation
THE UNIVERSITY OF MANCHESTER
OXFORD ROAD
M13 9PL MANCHESTER
United Kingdom

EU contribution: EUR 612 481

See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Elizabeth Fay
Tel.: +44 161 275 7114
Contact the organisation

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS
RUE MICHEL ANGE 3
75794 PARIS
France

EU contribution: EUR 0

See on map

Activity type: Research Organisations

Administrative contact: M Mx
Tel.: +00000
Contact the organisation

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