



MODELS OF INSTITUTIONS AND PROJECTS

carrying out tasks
in the field of digitization
in Poland – strategic approach

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Ministry of Culture and National Heritage

EXPERT CONFERENCE **"BUILDING CULTURAL CAPACITY
FOR DIGITIZATION AND ENABLING ACCESS TO CULTURAL HERITAGE"**

WARSAW, 13th-14th February, 2013



Ministerstwo
Kultury
i Dziedzictwa
Narodowego.



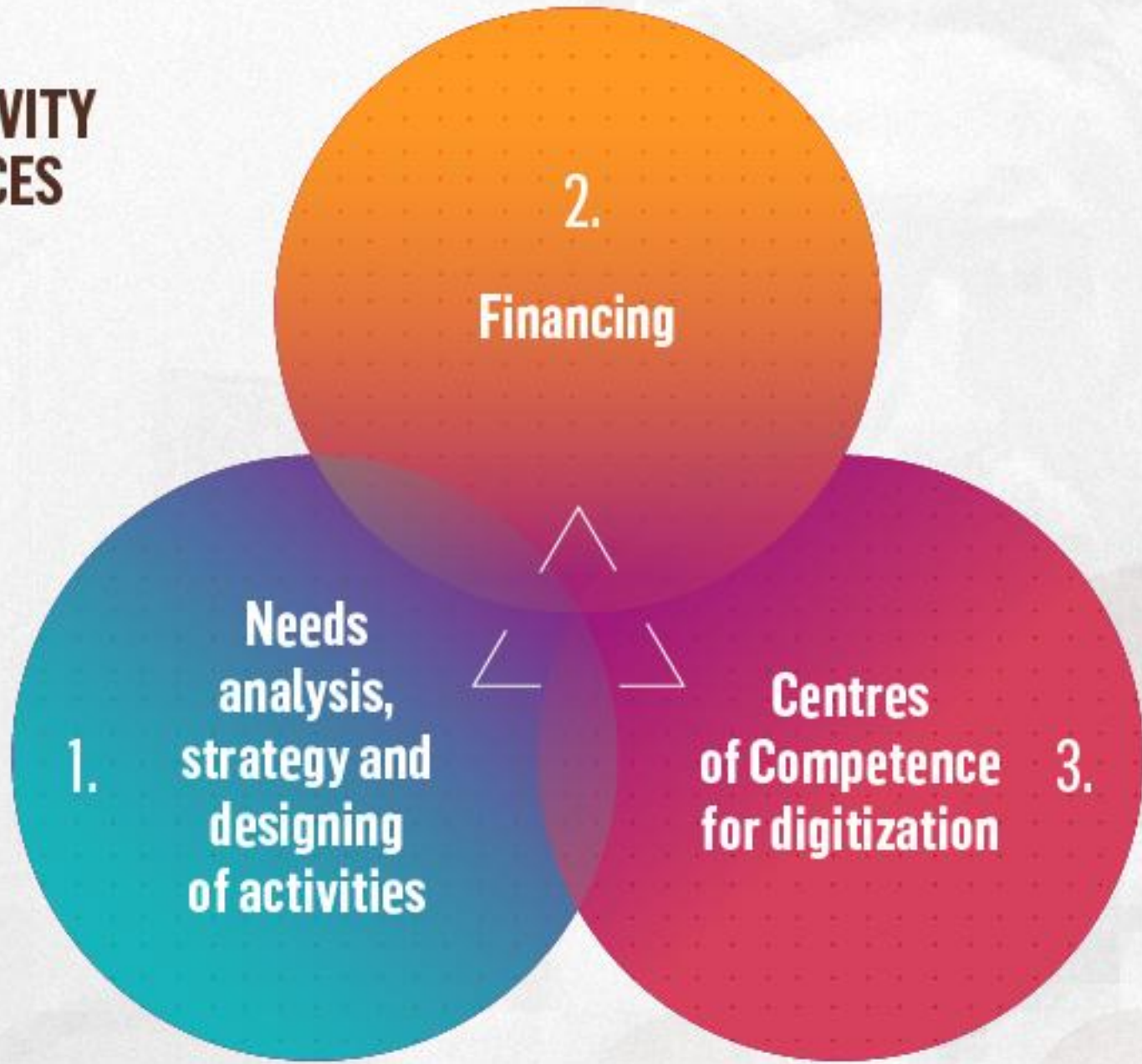
The role of the Ministry of Culture and National Heritage in digitization

SUBSTANTIVE AND ORGANIZATIONAL COORDINATION

- ▶ Budgets, scopes and synergy of grant programs,
- ▶ Coordination between entities and adjustment to the government strategy,
- ▶ Establishing the principles of cooperation,
- ▶ Monitoring and evaluation of activities,
- ▶ Financing of institutions,
- ▶ Reporting.



ACTIVITY SPACES





1. Needs analysis, strategy and designing activities



STRATEGY OF SOCIAL CAPITAL DEVELOPMENT

Detailed objective 4. The development and effective use of the cultural and creative potential

Priority of strategy 4.1. Strengthening the role of culture in building social cohesion

Direction of action 4.1.3. Digitization, digital reconstruction and the enabling access to cultural goods

STRATEGY EFFICIENT STATE 2020

Objective 1. Open government

1.1. Opening of public sector resources



PLANNED ACTIVITIES

in the area of digital cultural resources – challenges to 2020

Areas of intervention:

Continuation of digitization and coordination of digitization processes, in line with the worked out substantive strategy and standards,
Integration of existing IT systems of institutions and entities conducting digitization enabling to create central information about resources,
Perpetual archiving of cultural resources in the repository.

DIGITIZATION

STORAGE

PROCESSING

SHARING



DIGITIZATION

Substantive strategy of digitization:

- ▶ Selection criteria for the content of digitization,
- ▶ Schedule of activities,
- ▶ Identification of priority resources (masterpieces).

Coordination of digitization processes:

- ▶ Standardization of work and the creation of metadata of digitized objects,
- ▶ Copyright and licensing solutions,
- ▶ Further co-financing of equipment and retrofitting of digitization workshops, in particular regional workshops,
- ▶ Creation of educational projects,
- ▶ Staff training and implementation of digitization standards developed by the Centres of Competence.



STORAGE





PROCESSING AND SHARING

Integrated system of information about cultural resources will be created by the expansion of the system collecting data about digitization and conversion into a system supporting the development of data and their aggregation, and enabling access to them.





PROCESSING AND SHARING



**PROJECTS
IMPLEMENTED
2012**

Multiannual program Culture+,
programs of the Minister
for various entities

Multiannual program Culture+,
programs of the Minister
for various entities



**PROJECTS
CONTINUED
AFTER 2015**

Continuation of financing for
digitization, coordination of
the digitization process

Equipment and retrofitting
of libraries, archives, and
cultural institutions;
computerization of libraries

Extension of Centres
of Competence, network
of repositories, integrated
systems

**NEW
PROJECTS**



Integrated system
of information about
cultural resources

Cultural data
processing centre



PROGRAMMING THE EU FINANCIAL Perspective 2014 - 2020

- ▶ **Operational Program Digital Poland**

The program aims to create conditions for the widespread use of digital technologies in such a way that they would become the driving force behind the economy. The following, among others, will help to achieve this goal: providing mass access to broadband Internet, increasing the digital literacy of different social groups, especially those at risk of digital exclusion.

- ▶ **The proposal of activity to the Operational Program Digital Poland:**

DIGITAL RESOURCES OF CULTURAL HERITAGE

Continuation of the digitization, storage and enabling access to resources, ICT infrastructure

Coordination of digitization and integration of existing IT systems of institutions and entities carrying out digitization

Perpetual archiving of culture resources within a central repository



2.

Financing



GOVERNMENTAL MULTIANNUAL PROGRAM CULTURE +

2011-2015 BUDGET: approx. 29 000 000 €



INVESTMENTS

Establishment and expansion of the infrastructure used for digitization and archiving

Network of workshops

DIGITIZATION

Digitization of archival, audiovisual, museum and library materials

Systematization, standardization of the digitization process

STORAGE

Safe archiving of digital documents

Transfer of digitalized materials to the Centres of Competence

ENABLING ACCESS

Enabling access to digitalized materials

Increasing the availability of digital content to Internet users



PROGRAM MANAGEMENT

**The Ministry of Culture
and National Heritage**

**The National
Audiovisual
Institute**

**Cultural institutions,
film institutions**

Archives

**Centres
of Competence**

**Standards,
evaluation,
storage,
enabling
access**



MINISTER OF CULTURE AND NATIONAL HERITAGE PROGRAMS

Complementation of CULTURE+

Cultural Heritage program – Priority 6 – Conservation and digitization of cultural heritage

MANAGING AUTHORITY: The National Institute of Museology and Collections Protection

BUDGET: approx. 720 000 €

- ▶ **The objective** of the priority is to initiate a comprehensive process of digitization of material cultural heritage resources and their enabling access to, including historical monuments, museum, archival, library and audiovisual objects which are under the care entities outside the realm of public finances, which are non-profit, or public universities.
- ▶ **ELIGIBLE APPLICANTS:** non-governmental organizations, churches and religious associations and their legal persons, public universities.
- ▶ **TASKS:** digitization of culture resources and national heritage, taking into account the necessary conservation works; enabling access to digital resources through multimedia devices and/or wide area networks (Internet) via web portals; storage of digital resources ensuring sustainability and security of digital data.

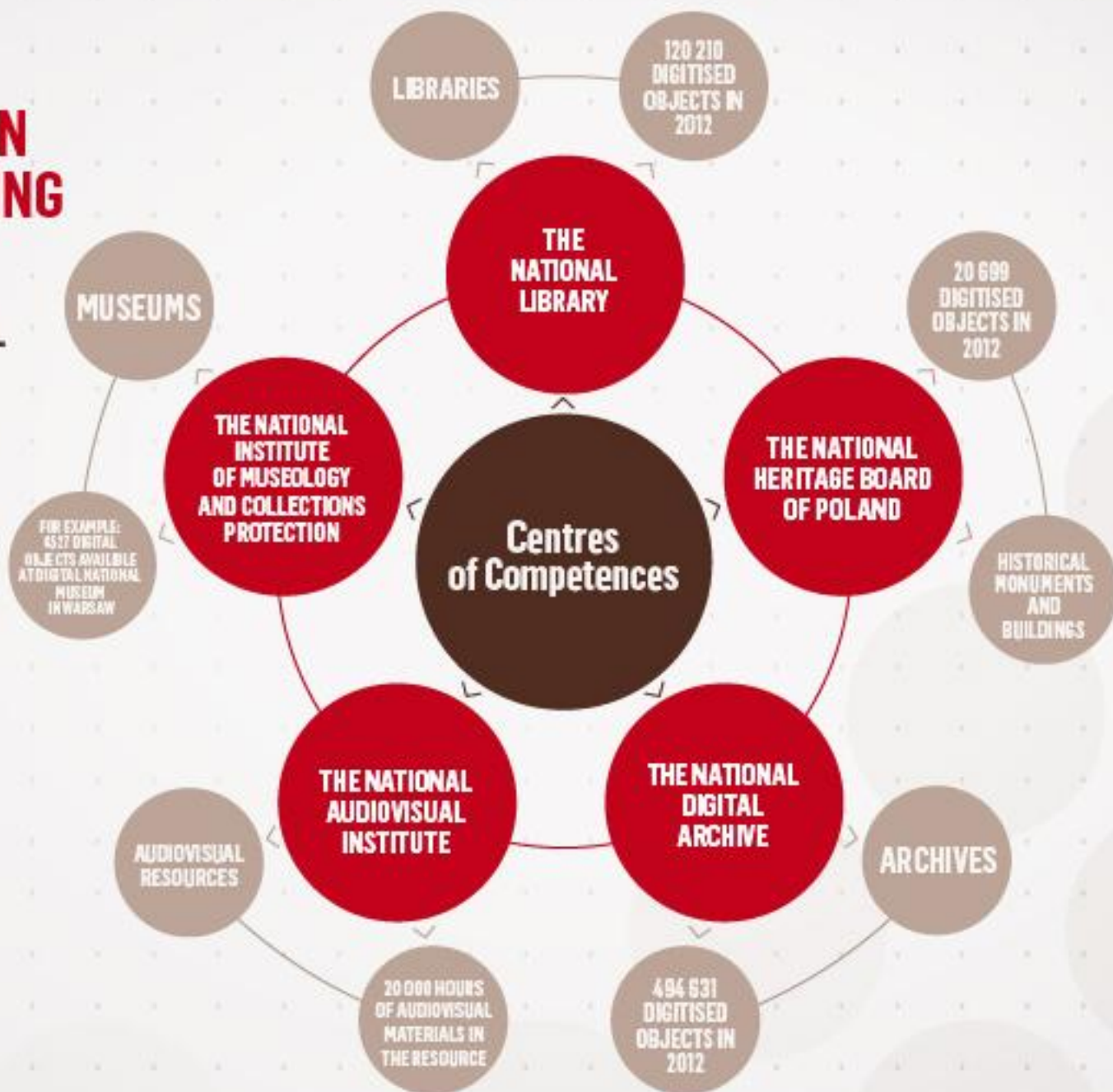
3.

Centres of Competence for digitization



DIGITIZATION AND ENABLING ACCESS

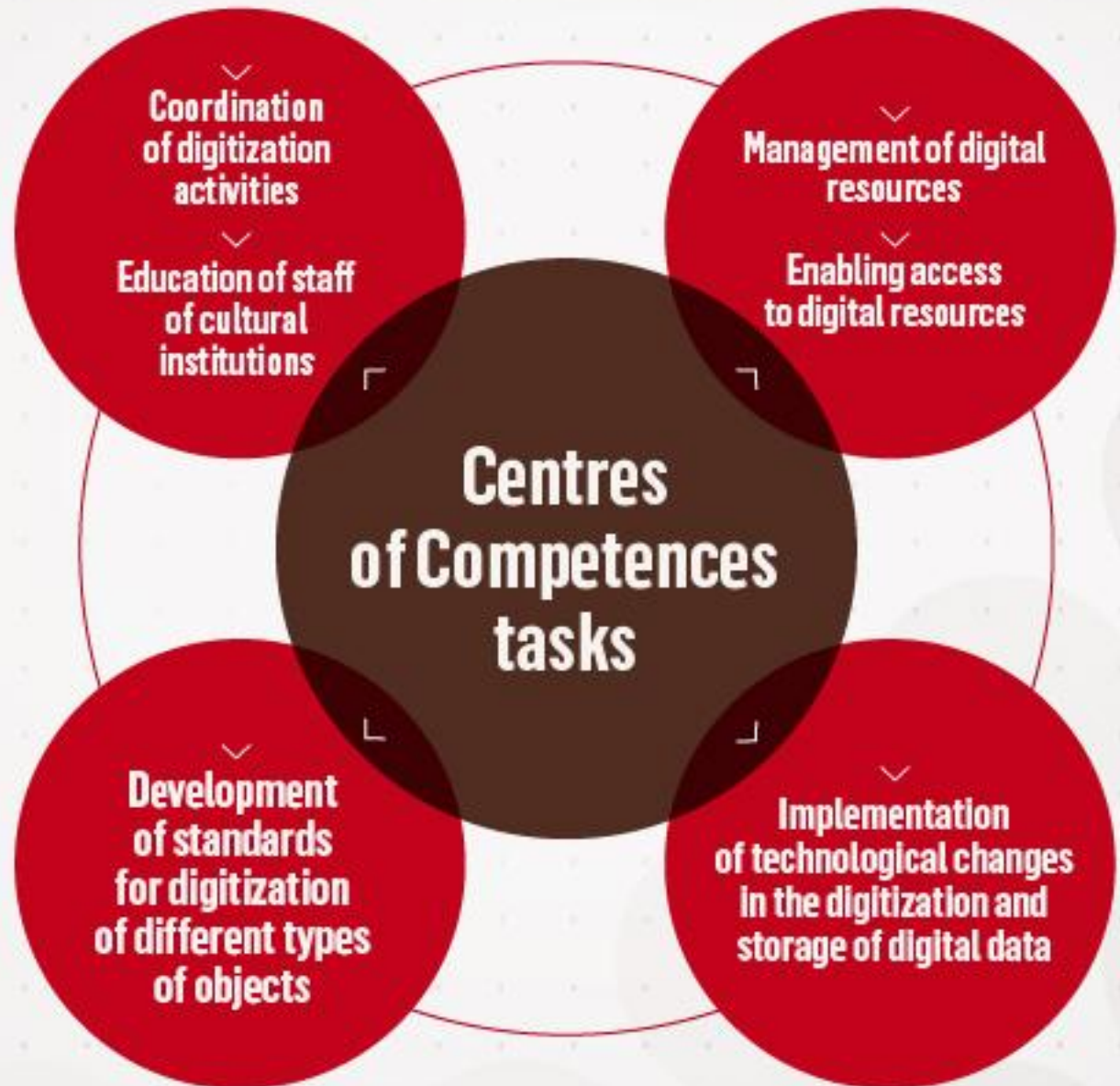
TO NATIONAL HERITAGE RESOURCES IN POLAND





DIGITIZATION AND ENABLING ACCESS

TO NATIONAL HERITAGE RESOURCES IN POLAND





DIGITIZATION OF AUDIOVISUAL RESOURCES

**AUDIOVISUAL
RESOURCES**



FACTS

THE NATIONAL
AUDIOVISUAL
INSTITUTE

DIGITIZATION in NInA

MAIN OBJECTIVES of NInA

One of the main tasks of the National Audiovisual Institute consists in digitization of Polish cultural goods, in particular by analogue-to-digital conversion, reconstruction and archiving.

Digitization is an activity necessary to preserve audiovisual heritage in danger of damage due to disintegration of carriers (video tapes, film tapes etc.), enables not only to preserve Polish audiovisual heritage – films, music, photos or registration of theatre plays – but also their enabling access to them and popularization.



**20 000 HOURS
OF AUDIOVISUAL MATERIALS
IN THE RESOURCE**



RESOURCES

THE NATIONAL
AUDIOVISUAL
INSTITUTE



DIGITAL RECONSTRUCTION OF THE FILM „DO WIDZENIA DO JUTRA...”
[„GOOD BYE, SEE YOU TOMORROW...”]
WAS PREPARED BY FILM STUDIO KADR.





RESOURCES

THE NATIONAL
AUDIOVISUAL
INSTITUTE

DIGITAL RECONSTRUCTION OF THE FILM „DO WIDZENIA DO JUTRA...”
[„GOOD BYE, SEE YOU TOMORROW...”]
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RESOURCES

THE NATIONAL
AUDIOVISUAL
INSTITUTE

**DIGITAL RECONSTRUCTION OF THE FILM „NIEWINNI CZARODZIEJE”
[„INNOCENT SORCERERS”]
WAS PREPARED BY FILM STUDIO KADR.**





RESOURCES

**THE POLISH
NATIONAL FILM
ARCHIVE**



**FRAME FROM THE FILM „MANIA. HISTORIA PRACOWNICY FABRYKI PAPIEROSÓW”
[MANIA. THE STORY OF A CIGARETTE FACTORY WORKER]
DIR. EUGEN ILLES, 1918**



DIGIT DIGITIZATION OF HISTORICAL MONUMENTS AND BUILDINGS

**HISTORICAL
MONUMENTS
AND
BUILDINGS**



FACTS

THE NATIONAL
HERITAGE BOARD
OF POLAND

DIGITIZATION in NID

MAIN OBJECTIVES of NID

The National Heritage Board of Poland develops GIS data bases of movable historical objects and the manner of enabling access to these data via network services for the purpose of popularization and enabling free access to maps of spatial objects of Poland within the project INSPIRE (Infrastructure for Spatial Information In Europe). The National Heritage Board of Poland creates and enables access e.g. through the portal Europeana, rich multimedia digital content related to archaeology and architecture (e.g. 3D models, photogrammetric documentation).

PHOTO
REALISTIC 3D
MODELS

ORTHO
PHOTOGRAMMETRIC
CAD
DOCUMENTATION

DIGITIZATION
OF ARCHIVAL
DOCUMENTATION



NARODOWY INSTYTUT
DZIEDZICTWA
NATIONAL HERITAGE BOARD OF POLAND

SPATIAL
INFORMATION
INFRASTRUCTURE



RESOURCES

THE NATIONAL
HERITAGE BOARD
OF POLAND

MEASUREMENT
AND STORAGE





RESOURCES

THE NATIONAL
HERITAGE BOARD
OF POLAND



ORTHOPHOTOS AND PLANS OF FAÇADE





RESOURCES

THE NATIONAL
HERITAGE BOARD
OF POLAND



**ORIENTED
POINT CLOUD**





DIGITIZATION OF MUSEUM EXHIBITS

MUSEUMS





FACTS

THE NATIONAL
INSTITUTE
OF MUSEOLOGY
AND COLLECTIONS
PROTECTION

DATA BASE

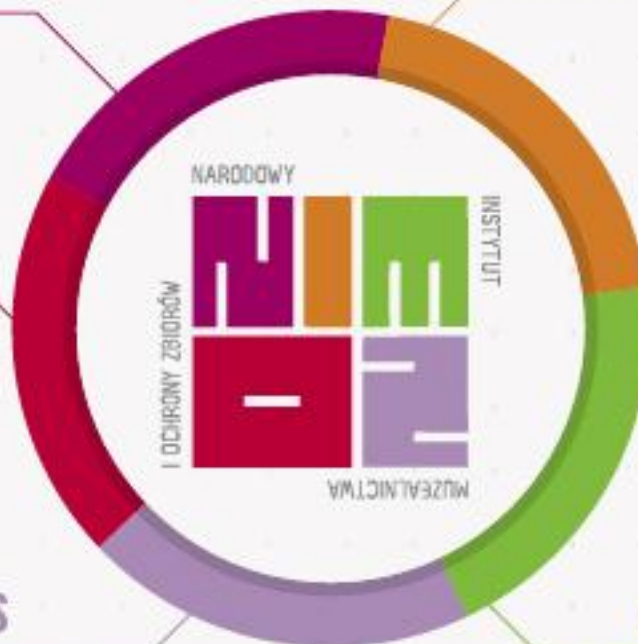
DEVELOPMENT IN COOPERATION WITH
MUSEUMS OF A CENTRAL DATA BASE
OF MUSEUM EXHIBITS

STANDARDS OF DIGITIZATION

DEVELOPMENT OF PROCEDURES AND
TECHNICAL STANDARDS RECOMMENDED
IN DIGITIZATION OF EXHIBITS

STORAGE

BUILDING OF DIGITAL REPOSITORY
FOR STORAGE OF DATA ABOUT MUSEUM
RESOURCES



DEVELOPMENT PLAN BY 2015

DICTIONARIES

WORKS ON DEVELOPMENT OF
METADATA STRUCTURES FOR
MUSEUM INVENTORY SYSTEMS,
CONTROLLED DICTIONARIES
(THESAURI)

COPYRIGHTS

ANALYSIS OF COPYRIGHT ISSUES
IN THE CONTEXT OF SHARING
DIGITAL RESOURCES
BY MUSEUMS


FACTS**THE WILANÓW
PALACE
MUSEUM**

THREE-DIMENSIONAL DOCUMENTATION OF WORKS OF ART

The Wilanów Palace Museum, in cooperation with the Faculty of Mechatronics of Warsaw University of Technology, develops the techniques of precise 3D scanning for the needs of three-dimensional documentation of works of art. It uses the technique of scanning with structural lighting which enables measurement of the surface of historical objects with the accuracy of 10,000 points per square millimeter. The main directions of research works (conducted since 2007) have been automation of scanning and data processing processes, and development of software which in the near future will allow for presentation of scanning results at full resolution, also via the Internet.





RESOURCES

**THE WILANÓW
PALACE
MUSEUM**

**AUTOMATED MEASUREMENT SYSTEM DURING SCANNING OF THE
SURFACE OF A SANDSTONE VASE IN THE WILANÓW PARK**

RESOURCES

DIGITAL
NATIONAL
MUSEUM IN
WARSAW



CYFROWE MUZEUM NARODOWE W WARSZAWIE

Witaj! Zaloguj lub Zarejestruj się

Cyfrowe Muzeum Narodowe w Warszawie

Search

Strona główna

Zbiory MNW

Kontakt

Info

Cyfrowe Muzeum Narodowe w Warszawie



Pokazy

Ekzlibris: znak biblioteki...



liczba obiektów : 33

Fotografie z kolekcji Sew...



liczba obiektów : 40

Fotografie z kolekcji Lew...



liczba obiektów : 74

Fotografie z kolekcji Cyp...



liczba obiektów : 16

Fotografie z kolekcji Tw...



liczba obiektów : 22

Fotografie z kolekcji Zyg...



Fotografie z kolekcji Edw...



Zabytki 3D



Max Liebermann - impresje...



Fotografie z kolekcji Ka...





DIGITIZATION OF ARCHIVAL RESOURCES

ARCHIVES



SCANNING OF
PHOTOGRAPHS

FACTS

THE NATIONAL
DIGITAL
ARCHIVE

DIGITIZATION in NAC

DIGITIZATION
OF MICROFILMS
AND FILES

THE MAIN OBJECTIVES of NAC

INTEGRATED SYSTEM OF ARCHIVAL
INFORMATION ZoSIA

The portal www.szukajwarchiwach.pl is the only site on Polish Internet which provides online access to archival information from other sources – over 3 million of scanned documents online.

nac

N A R D D D W E
A R C H I W U M
C Y F R O W E ■

DIGITIZATION
OF RECORDINGS

**175 TB
OF CAPACITY
OF DISC ARRAYS**



RESOURCES

**THE NATIONAL
DIGITAL
ARCHIVE**

JAPANESE SWIMMER, 1942



RESOURCES

**THE NATIONAL
DIGITAL
ARCHIVE**

WARSAW, 1959



RESOURCES

**THE NATIONAL
DIGITAL
ARCHIVE**

THE WARSAW UPRISING, 1944

Sygnatury akt oznaczonych na skorowidzu znajdują się na końcu

PLAN MIASTA STOŁECZNEGO WARSZAWY

RESOURCES

THE NATIONAL
DIGITAL
ARCHIVE

NAC PROVIDES MILLIONS OF HISTORICAL
DOCUMENTS FROM THE COLLECTIONS OF POLISH
ARCHIVES ON THE WEBSITE WWW.SZUKAJWARCHIWACH.PL



**DIGITIZATION AND
ENABLING ACCESS
TO LIBRARY RESOURCES**

LIBRARIES

FACTS
THE NATIONAL LIBRARY

PROMOTION

PROMOTING DIGITAL RESOURCES:
DIGITAL LIBRARY, VIRTUAL EXHIBITIONS,
CONFERENCES, ARTICLES

COOPERATION

PARTNER TO PROJECTS FINANCED WITH
THE EUROPEAN COMMISSION FUNDS, I.A.
EUROPEANA V 2.0, NEWSPAPERS ONLINE,
EUROPEANA TRAVEL, REDISCOVER, TEL AND
TELPLUS

ENABLING ACCESS

cBN POLONA
REPOSITORY
OF ELECTRONIC
DOCUMENTS

PARTNER TO PROJECT SYNAT
(ESTABLISHMENT OF UNIVERSAL, OPEN,
REPOSITORY HOSTING AND COMMUNICATION
PLATFORM FOR NETWORK RESOURCES OF
KNOWLEDGE FOR SCIENCE, EDUCATION AND
OPEN SOCIETY OF KNOWLEDGE)



**BIBLIOTEKA
NARODOWA**

DIGITIZATION

COMMONLY UNDERSTOOD AS PROCESSING
OF ANALOGUE OBJECTS TO DIGITAL FORM – BUT
IT IS ONLY ONE OF THE ASPECTS OF THE WHOLE
PROCESS

COORDINATION

COORDINATOR FOR
DIGITIZATION OF LIBRARY
MATERIALS

EDUCATION

TRAINING OF SPECIALISTS
IN DIGITIZATION

COORDINATOR AND
EXECUTOR OF THE PROJECT
DIGITAL LIBRARY OF
ACEDMIC PUBLICATIONS
ACADEMICA

RESOURCES

THE NATIONAL LIBRARY

THE FLORIAN PSALTER



Eamus vir qui non abiit
 in consilio impiorum et
 in via peccatorum non
 stetit et in cathedra
 pestiferum non sedit :
 B.ogoslawom mozt, ten
 iest ueszedl poradze uem
 tolawich yuadrodze grez
 mich uesfal iest yuastoleu

Ale wzacoue tostem wola
 iego. ywzacoue iego todze
 unshiz wedne ywnoch
 Quidit uiter ee gotis su
 wille unde hufner ee ge
 deukit her tak unde nacht
 Et erit tanquam lignum
 quod plantatum est secus
 decursus aquarum quod
 fructum suum dabit in tem
 pore suo
 Abodze iaco driewo iest
 hiepwio iest podlug ze
 kotych wod-iest owocz f
 swoy da wswoy tras
 Unde her wirt also dis



RESOURCES

THE NATIONAL LIBRARY



Modraczek i jego uczeń.



I.

Je Półpanek znieść nie mógł powo-
dzenia mistrza Sarabandy. Jak
był zielony zawsze, tak jeszcze
w dwójnasób zzieleniał teraz z ar-
zdrości.

— Jakiś! — mówił — Jakiś przy-
błąd, jakiś świerszcz wędrowny
będzie się popisował w krainie, w której waży-
cie oklaski mnie się należą z prawa! Odkądże to
wolno pierwszemu lepszemu włóczędze tymunąć ab-
szczyt i jakimś tam skwierczeniem psuć im guś-
ki? — wróciwszy się do ab-
szczyt Modraczka. — Zmierzaj się
z tym, co zobaczysz, że go prześcignę, że go



„ORPHAN MARY AND THE DWARFS”
BY MARIA KONOPNICKA



RESOURCES

THE NATIONAL
LIBRARY

JOHANNES HEVELIUS

JOHANNIS HEVELII PRODRONUS ASTRONOMIAE EXHIBENS FUNDAMENTA, QUAE TAM AD NOVUM ... CORRECTIOREM STELLARUM FIXARUM CATALOGUM CONSTRUENDUM, QUAM AD OMNIUM PLANETARUM TABULAS CORRIGENDAS ... SPECTANT ... QUIBUS ADDITUS EST UTERQUE CATALOGUS STELLARUM FIXARUM, TAM MAJOR AD ANNUM 1660, QUAM MINOR AD ANNUM COMPLETUM 1700, ACCESSIT ... TABULA MOTUS LUNAE LIBRATORII BINA SECLA PROXIME VENTURA PROLONGATA ...



**OVER 800,000 SHARED
DIGITAL OBJECTS OF VARIOUS TYPES**
(newspapers, manuscripts, maps, prints, archival objects, etc.)

RESEARCH
WORKS

FACTS
DIGITAL
LIBRARIES
FEDERATION

DIGITIZATION in DLF

SUPPORT
FOR CREATORS
OF DIGITAL
LIBRARIES

DATA BASE
OF POLISH
DIGITAL
LIBRARIES

E-LEARNING
COURSES

 **FEDERACJA
BIBLIOTEK
CYFROWYCH**

BROWSING

VIRTUAL
ACCESS
TO VALUABLE
COLLECTIONS

VIEWING

PROMOTION
OF CULTURAL
HERITAGE

COOPERATION
WITH
EUROPEANA

MAIN ACTIVITIES of DLF

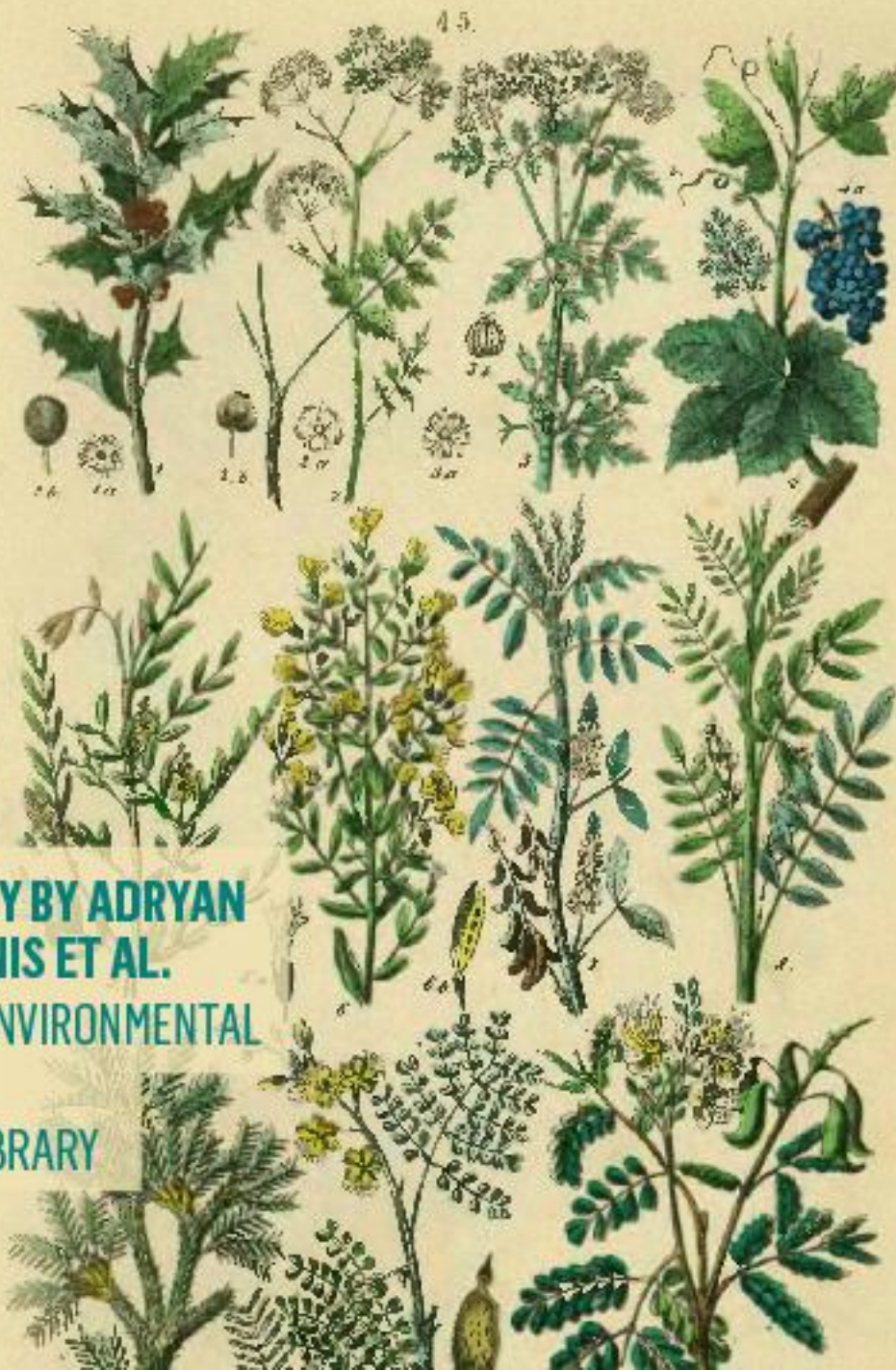
The Federation of Digital Libraries constitutes an element of IT Infrastructure of science operating in the network Polish Optical Internet PIONIER. The main task of DLF is to collect, process and widely share information about digital objects of cultural and scientific heritage which are published online by thousands of institutions. The Federation coordinates cooperation of several hundred institutions of culture and science, libraries, archives, museums and non-governmental organizations. The website of DLF is maintained by Poznań Supercomputing and Networking Centre.

 <http://fbc.pionier.net.pl/>



RESOURCES

DIGITAL
LIBRARY
FEDERATION



**BRIEF LECTURE IN BOTANY BY ADRYAN
DE JUSSIEN, CHENU, LEUNIS ET AL.**

WROCŁAW UNIVERSITY OF ENVIRONMENTAL
AND LIFE SCIENCES

LOWER SILESIA DIGITAL LIBRARY



RESOURCES

DIGITAL
LIBRARY
FEDERATION

PRZEKRÓJ. 1989, NR 2280 (19 II)
WYDAWNICTWO PRZEKRÓJ SP. Z O.O.
MAŁOPOLSKA BIBLIOTEKA CYFROWA

LECH WAŁĘSA w Uniwersytecie Jagiellońskim

Nie czas na bijatyki

Collegium Novum obwieszono transparentami, przed gmachem setki ludzi, nie tylko młodych. W bramie ci, którzy sprawdzają, kto wchodzi. Legitymacja? Akredytacja? Spokojnie, w przelazającym się tłumie trzeba przejść dalej. Na piętro, do auli. Tam na godzinę 10 (10 lutego, dla przypomnienia) zapowiedziano spotkanie z LECHEM WAŁĘSĄ.

Kamery, magnetofony, błysk fleszy...

— ...w imieniu profesorów i studentów chcę w Uniwersytecie Jagiellońskim powitać gościa, laureata Pokojowej Nagrody Nobla — oklaski na długo przerywają rektorowi słowa powitania. — Korzystając z jego pobytu w Krakowie — kontynuuje profesor Aleksander Koj — chcemy usłyszeć komentarz i opinię na temat „okrągłego stołu”; dyskusji w Polsce nie brakuje, postęp notujemy wciąż zbyt wolny. Wierzę jednak, że obecna sytuacja jest przełomem, który doprowadzi do faktycznego uznania istniejącego pluralizmu. Jeśli w tej sali jesteśmy dziś w takim składzie, to też jest zasługą gościa wiernego zasadom demokracji, sprawiedliwości społecznej i gotowości do rozmów, przy otwarciu na inne racje.

Gość UJ — zerkając ukradkiem na zegarek — zaczyna tak:

— Mam godzinkę... Jestem stremowany, ale

Atmosfera na sali podnosi się, gdy z kartki odczytywane jest pytanie dotyczące przyszłości „Solidarności” — czy będzie partią? L. Wałęsa mówi, że „Solidarność” od początku była reformą, w której miejsce mają wszyscy. W różnym czasie różnie ta reforma wyglądała — ale czy miała ona szansę płynnie przejść od chwili poczucia do budowania programów i ich realizacji? — pyta. Na dziś wiemy, że po drodze był 13 grudnia... I że spotykamy się znów. A nie chodzi o wystawianie rachunków, ani o to, kto miał rację — teraz wiadomo, że reforma to nie wymysł Wałęsy, „Solidarności” czy Gorbaczowa, a wymóg czasu!

— ...jeśli zabieram głos tutaj — to nie po to, by pytać. Legalizacja „Solidarności” i NZS wydaje się sprawą bliską. A to skłania mnie do refleksji, że jest szansa, aby socjalizm realny przekształcić w socjalizm o ludzkim obliczu — red. Jerzy Turowicz rozwija ten wątek. Włącza się Wałęsa:

— Wiem, że się będziecie śmiały, ale mój socjalizm wygląda tak: jeśli są 3 piekarnie — państwowa, spółdzielcza, prywatna — to socjalistyczna jest ta, która najszybciej, najtaniej i najbardziej chrupiące pieczywo piecze — śmiech na sali zostaje przerywany, gdy gość dodaje: — Ja jestem prosty członek struktury.



Fot. Wojciech Plewiński

Rektor UJ, prof. A. Koj, w rozmowie z L. Wałęsą.

Prof. Wróblewski swe wystąpienie wiąże z uczelniami, z Polską Akademią Nauk. Krótko: domaga się przywrócenia Senatowi, rektorom i prezesowi PAN należnych im ról. Żąda oczyszczenia stanowisk w tych instytucjach z nomenklatury. „Wtedy — słyszymy — zmieni się również kontakt nauczycieli akademickich z młodzieżą. Będzie on kształcący i wychowujący” I. Wałęsa podejmując temat Horwiza go



THANK YOU

Anna Duńczyk-Szulc

**'Models of institutions and projects
carrying out tasks in the field of digitization
In Poland – strategic approach'**



**Ministerstwo
Kultury
i Dziedzictwa
Narodowego.**

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DIGITIZATION AND ENABLING ACCESS TO CULTURAL HERITAGE'**

WARSAW 2013