Collaboration in Digital Preservation

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Digital Preservation Manager, KB NL

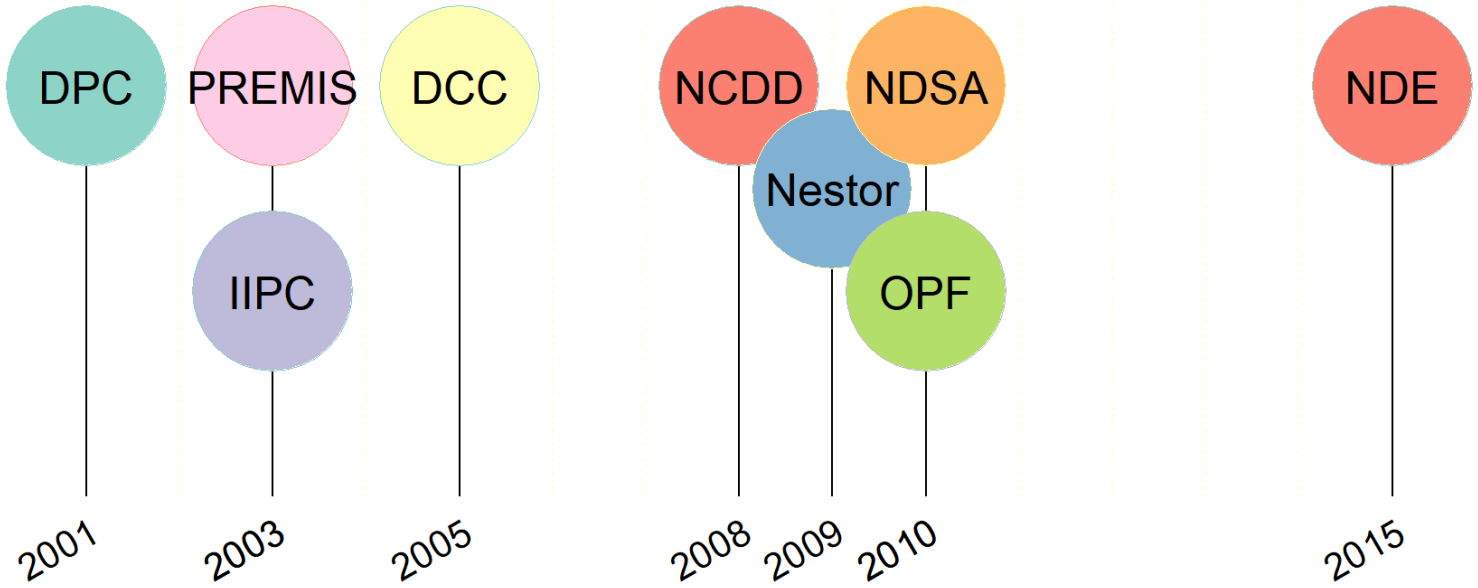
CSC Espoo, 5-11-2018

dutch digital heritage network

KB Koninklijke Bibliotheek National Library of the Netherlands

Open Preservation Foundation

Some examples…



Dutch Digital Heritage Network

dutch digital
heritage
network

NCDD

NATIONALE
COALITIE
DIGITALE
DUURZAAMHEID

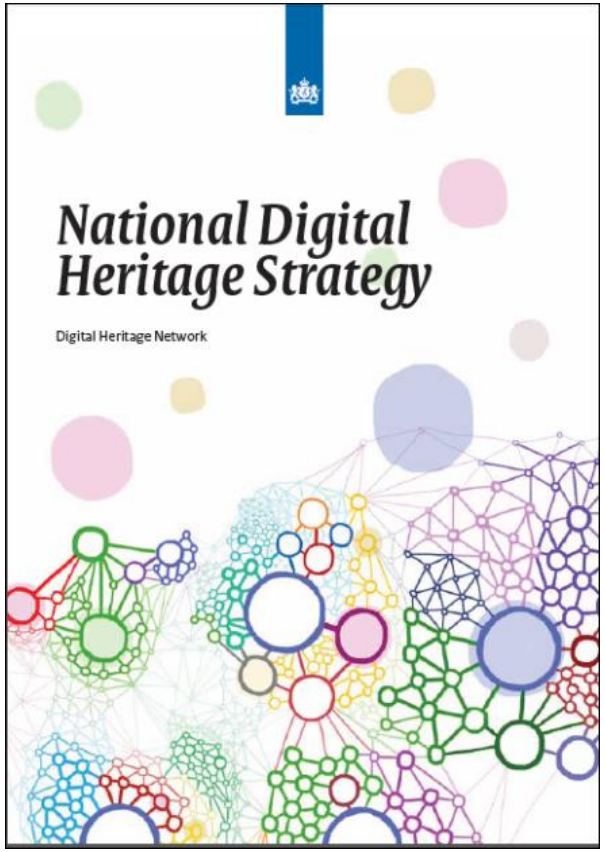
2008 - 2018 Netherlands Coalition for Digital Preservation

National Digital Heritage Strategy (2015)

Develop national, cross-domain infrastructure of digital heritage facilities

- Focus on the user:
  - Accessibility of collections
  - Identification of user groups
  - Any where, any moment

- Focus on organisations:
  - Challenges individually solved
  - Some front runners, other still discovering “digital”
  - Roles and responsibilities not always clear (who collects what?)
  - Linking of infrastructures

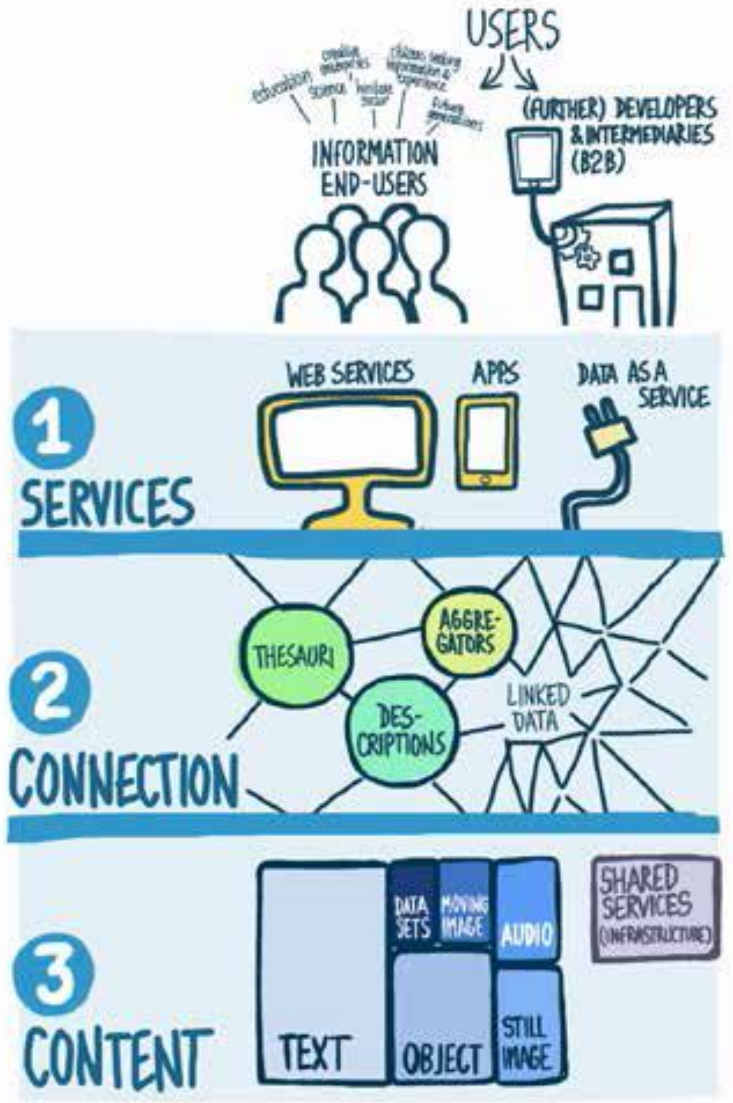


3 Work programmes

Making Digital Heritage **visible**

Making Digital Heritage **usable**

Making Digital Heritage **sustainable**



Goals of the Sustainability Program

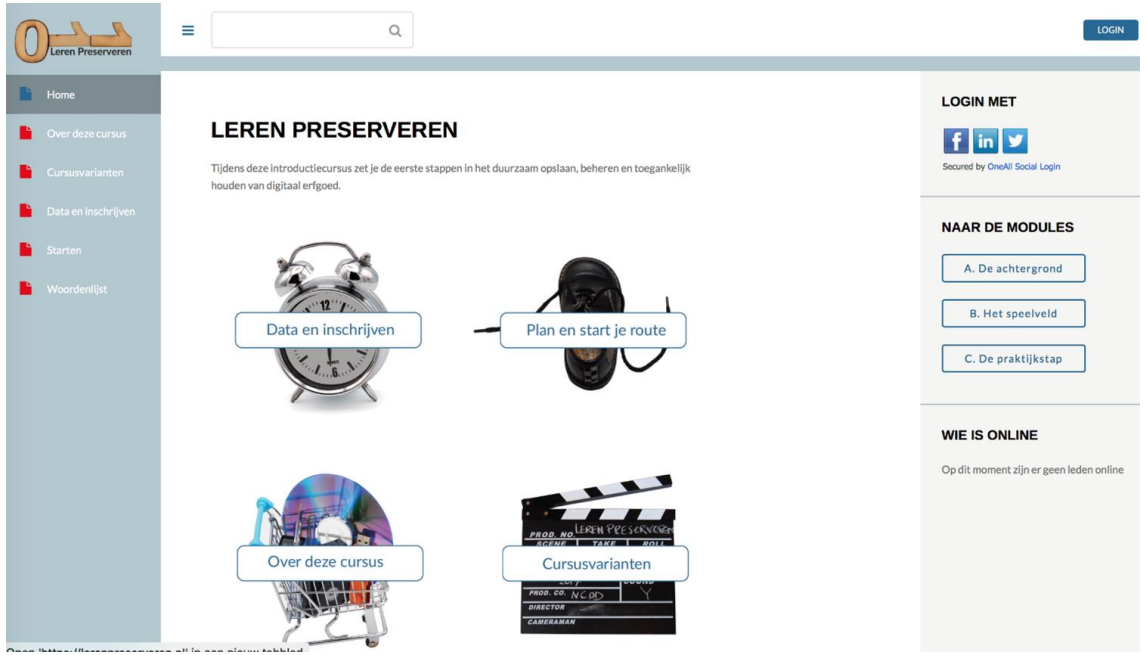
Roles and responsibilities collection development

Transparant cost structures

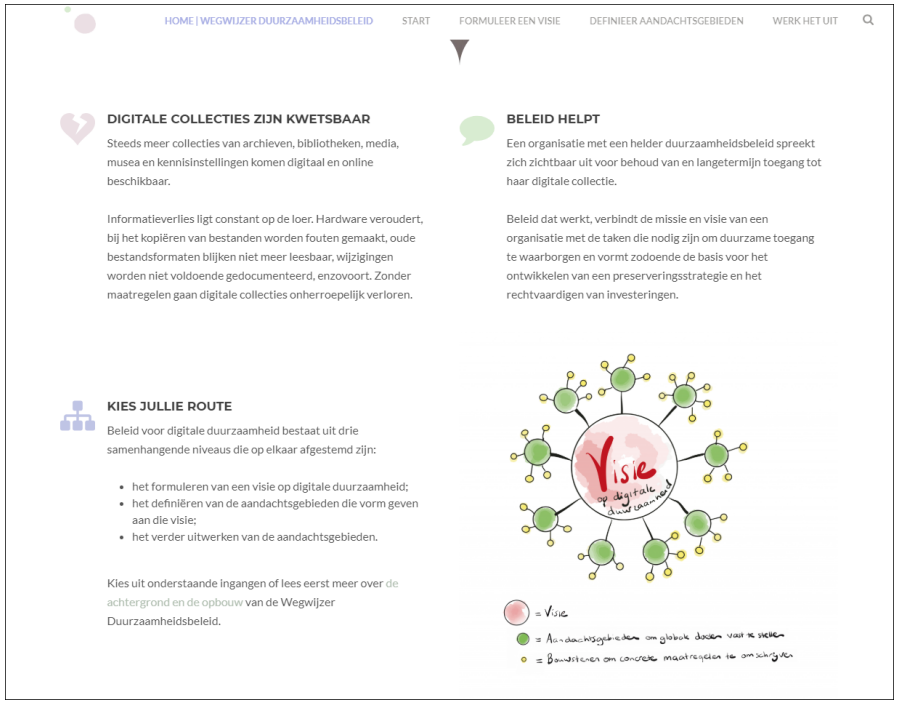
Scalability and utilisation of services

Knowledge exchange

What we achieved… Knowledge exchange

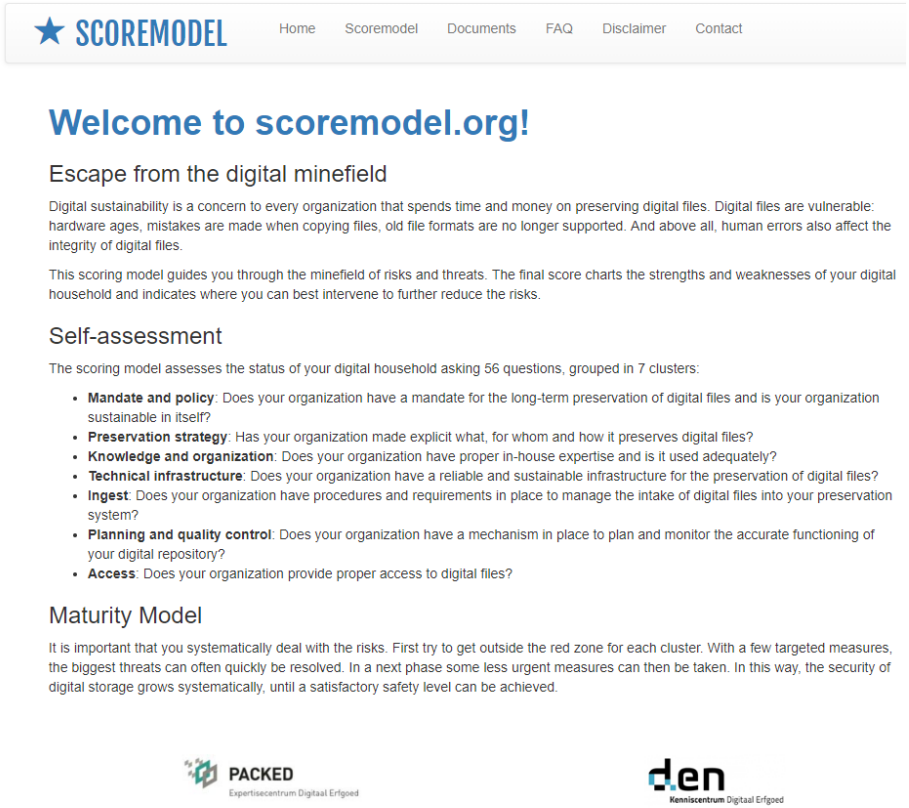


Training



Preservation Policies

What we achieved…



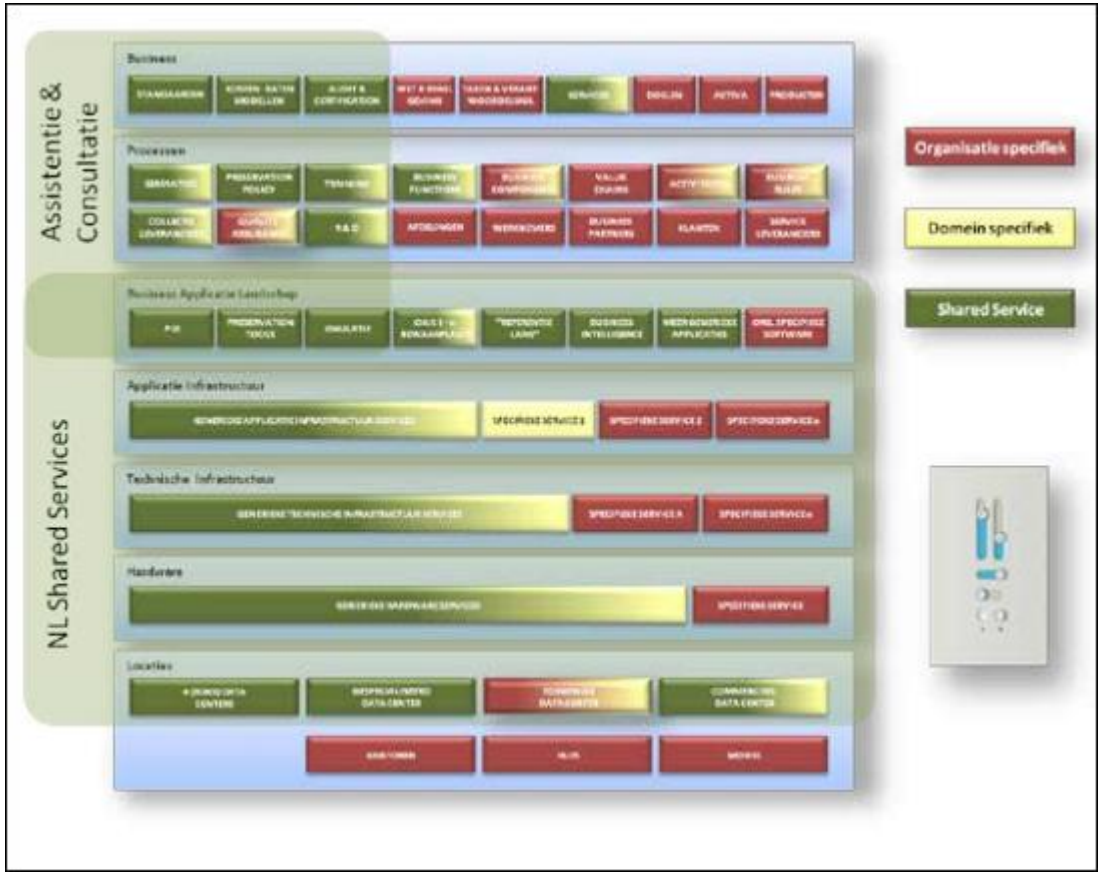
Self-assesment

Roadmap Audit & Certification

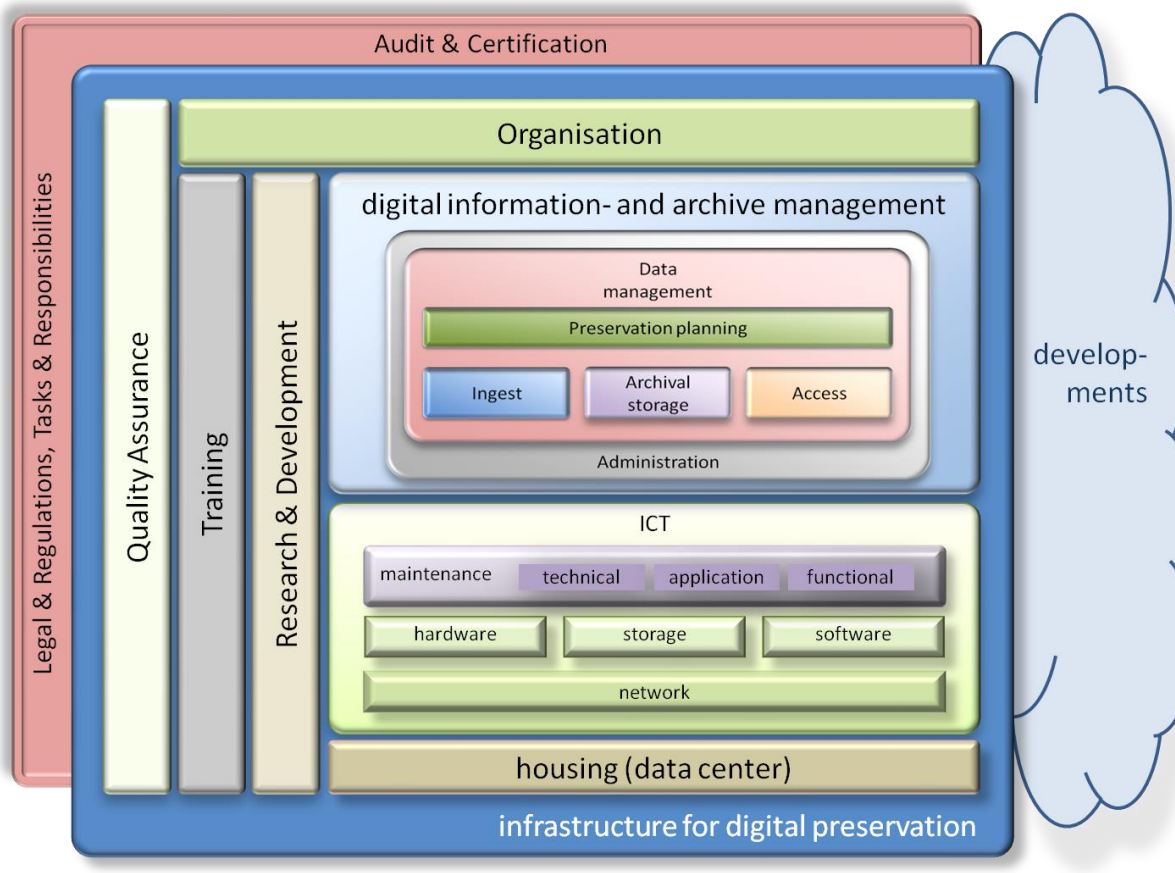
What we achieved … Cost model

Cost model based on 4C CC-ex model

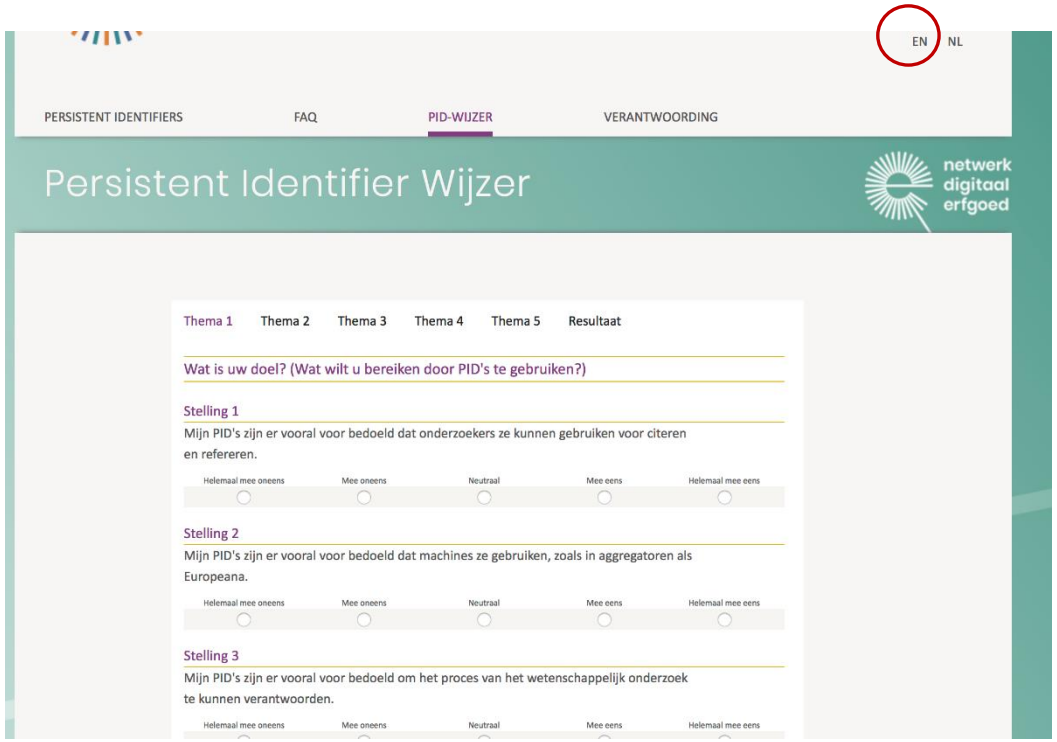
What we achieved… Services overview



Inventory services needed & available



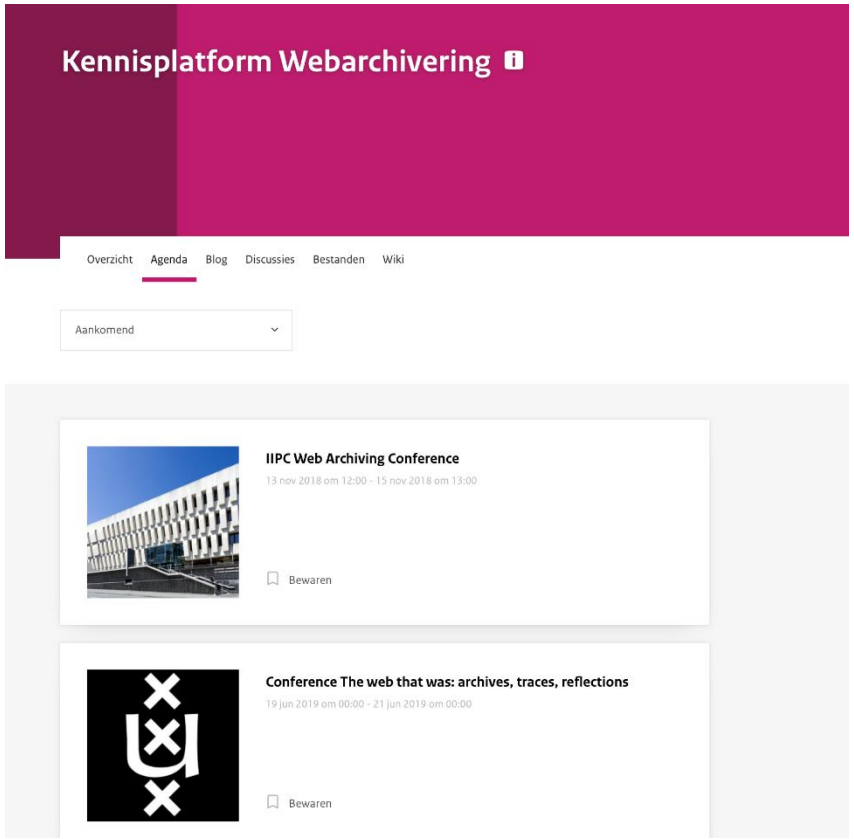
What we achieved …



PID guide

What we achieved… Collection development

National overview of web archiving



And a network of over 100 participating organisations

Every organisation can join …if they sign the Manifest

Some basic principles about:

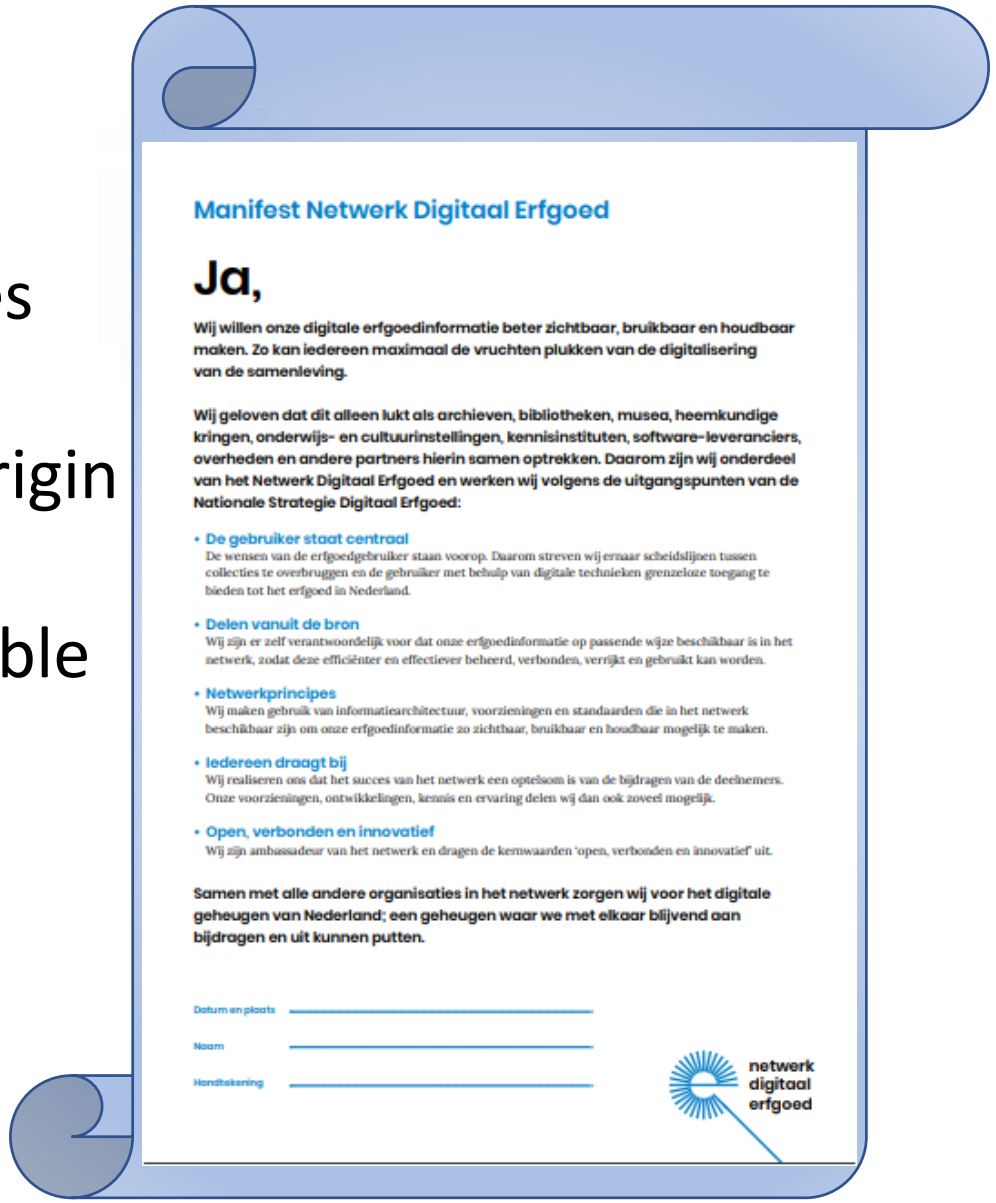
The user is the central focus of the activities

Information is shared from the source of origin

The goal is making our heritage visible, usable and sustainable

Everyone is willing to contribute and share

Open, united and innovative



Manifest Netwerk Digitaal Erfgoed

Ja,

Wij willen onze digitale erfgoedinformatie beter zichtbaar, bruikbaar en houdbaar maken. Zo kan iedereen maximaal de vruchten plukken van de digitalisering van de samenleving.

Wij geloven dat dit alleen lukt als archieven, bibliotheken, musea, heemkundige kringen, onderwijs- en cultuurinstellingen, kennisinstituten, software-leveranciers, overheden en andere partners hierin samen optrekken. Daarom zijn wij onderdeel van het Netwerk Digitaal Erfgoed en werken wij volgens de uitgangspunten van de Nationale Strategie Digitaal Erfgoed:

- **De gebruiker staat centraal**
  De wensen van de erfgoedgebruiker staan voorop. Daarom streven wij ernaar scheidslijnen tussen collecties te overbruggen en de gebruiker met behulp van digitale technieken grenzeloze toegang te bieden tot het erfgoed in Nederland.
- **Delen vanuit de bron**
  Wij zijn er zelf verantwoordelijk voor dat onze erfgoedinformatie op passende wijze beschikbaar is in het netwerk, zodat deze efficiënter en effectiever beheerd, verbonden, verrijkt en gebruikt kan worden.
- **Netwerkprincipes**
  Wij maken gebruik van informatiearchitectuur, voorzieningen en standaarden die in het netwerk beschikbaar zijn om onze erfgoedinformatie zo zichtbaar, bruikbaar en houdbaar mogelijk te maken.
- **Iedereen draagt bij**
  Wij realiseren ons dat het succes van het netwerk een optelsom is van de bijdragen van de deelnemers. Onze voorzieningen, ontwikkelingen, kennis en ervaring delen wij dan ook zoveel mogelijk.
- **Open, verbonden en innovatief**
  Wij zijn ambassadeur van het netwerk en dragen de kernwaarden 'open, verbonden en innovatief' uit.

Samen met alle andere organisaties in het netwerk zorgen wij voor het digitale geheugen van Nederland; een geheugen waar we met elkaar blijvend aan bijdragen en uit kunnen putten.

Datum en plaats _____

Naam _____

Handtekening _____

netwerk digitaal erfgoed

Some extra funding 2019-2020

Generic services

Sharing expertise

2019 – 2020 Sharing expertise

Network of support centres

Expand current domain specific knowledge centre

Supporting tools for self assesment, digitization projects
etc.

Low threshold entrance to knowledge

Collaboration in EU project CLARIAH

Collaboration with universities:

- they create tools
- we offer content for research projects

2019 – 2020 Generic services for preservation

Rescuing the legacy of digital heritage on physical carriers

Analyzing legal barriers and how to solve them

Analyse which tools are in use and who is maintaining them?

“Open Sustainable Digital Preservation”

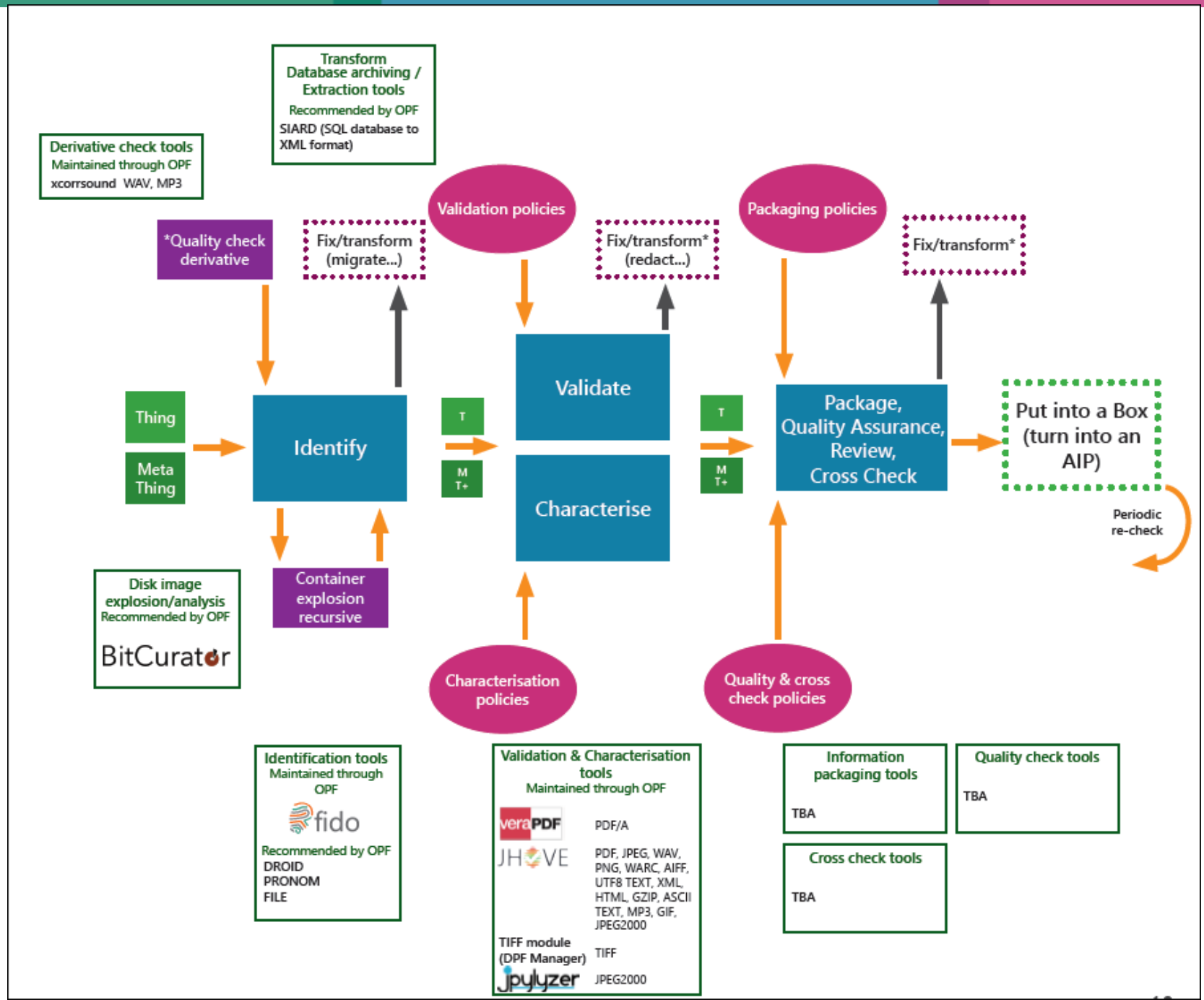
Members

Austrian Institute of Technology
British Library
Bibliotheque Nationale de France
Det Kgl. Bibliotek
Ex Libris
Goportis
International Atomic Energy Archives
Jisc
Koninklijke Bibliotheek
Latvijas Nacionala biblioteka
Nasjonalbiblioteket
Nationaal Archief
Österreichische Nationalbibliothek
Preservica
Rahvusarhiiv
Rigsarkivet
The National Archives UK
Yale University Library
Arcsys Software
Albert-Ludwigs Universitat
Artefectual
Biblioteca Nacional de Portugal
Portico
PSNC (Poznan Supercomputing & Networking Centre)
University of North Carolina

ARCTIC OCEAN
Greenland
Svalbard (Nor.)
United States of America
Canada
Iceland
Norway
Sweden
Finland
Russia
United Kingdom
Ireland
Estonia
Latvia
Belarus
Ukraine
Kazakhstan
Mongolia
Georgia
Italy
Portugal
Spain
France
Bulgaria
Turkey
Kyrgyzstan
Tajikistan
China
N. Korea
S. Korea
Japan
Greece
Tunisia
Lebanon
Syria
Iraq
Iran
Afg.
Pakistan
Nepal
Bhutan
Morocco
Algeria
Libya
Israel
Jordan
Kuwait
Saudi Arabia
U.A.E.
Oman
India
Laos
Taiwan
Western Sahara
Egypt
Mauritania
Mali
Niger
Chad
Eritrea
Yemen
Djibouti
Bangl.
Burma
Thailand
Vietnam
Philippines
Senegal
Sudan
Guinea-Bissau
Sierra Leone
Liberia
Cote d' Ivoire
Ghana
Togo
Nigeria
Cam.
C.A.R.
Ethiopia
Somalia
Cambodia
Sri Lanka
Malaysia
Gabon
Dem. Rep. of Congo
Uganda
Kenya
Tanzania
Rep. of the Congo
Indonesia
Papua New Guinea
Solomon Islands
Angola
Zambia
Malawi
Namibia
Zimbabwe
Madagascar
Botswana
Mozambique
Swaziland
Lesotho
South Africa
Australia
Fiji
New Zealand
Mexico
Honduras
Guatemala
Nicaragua
Costa Rica
Panama
Colombia
Ven.
Guyana
French Guiana
Ecuador
Suriname
Brazil
Peru
Bolivia
Paraguay
Chile
Argentina
Uruguay
ATLANTIC OCEAN
PACIFIC OCEAN
INDIAN OCEAN

VISION
Open sustainable digital preservation.
MISSION
Enabling shared solutions for effective and efficient digital preservation; the Open Preservation Foundation leads a collaborative effort to create, maintain and develop the reference set of sustainable, open source digital preservation tools and supporting resources.
This set of tools (including software and standards) enables organisations to evaluate, validate, document, mitigate risk, and process digital content to be preserved in line with desired policies and community best practice.

Knowledge - Member and Community input and sharing
Digital preservation - Process, policy and best practice
Practical tools
- Open source
- Reference toolset


Transform
Database archiving / Extraction tools
Recommended by OPF
SIARD (SQL database to XML format)
Derivative check tools
Maintained through OPF
xcorrsound WAV, MP3
Validation policies
Packaging policies
*Quality check derivative
Fix/transform (migrate...)
Fix/transform* (redact...)
Fix/transform*
Thing
Meta Thing
Identify
T
M T+
Validate
Characterise
T
M T+
Package, Quality Assurance, Review, Cross Check
Put into a Box (turn into an AIP)
Periodic re-check
Disk image explosion/analysis
Recommended by OPF
BitCurator
Container explosion recursive
Characterisation policies
Quality & cross check policies
Identification tools
Maintained through OPF
fido
Recommended by OPF
DROID
PRONOM
FILE
Validation & Characterisation tools
Maintained through OPF
veraPDF
PDF/A
JHOVE
PDF, JPEG, WAV, PNG, WARC, AIFF, UTF8 TEXT, XML, HTML, GZIP, ASCII TEXT, MP3, GIF, JPEG2000
TIFF module (DPF Manager)
TIFF
jpylyzer
JPEG2000
Information packaging tools
TBA
Quality check tools
TBA
Cross check tools
TBA

Reference toolset

OPF supports tools that meet a set of criteria:

- are small, modular elements.
- embody an underlying open standard or specification.
- are authoritative in interpretation and enforcement of that standard.
- are open source to allow universal scrutiny and use.
- are identified and secured by a digital signature (platform applicable).
- are of production system quality (subject to implementation).
- can be used alone, or integrated in third-party systems.
- include test data that can be used to check third party tool compliance

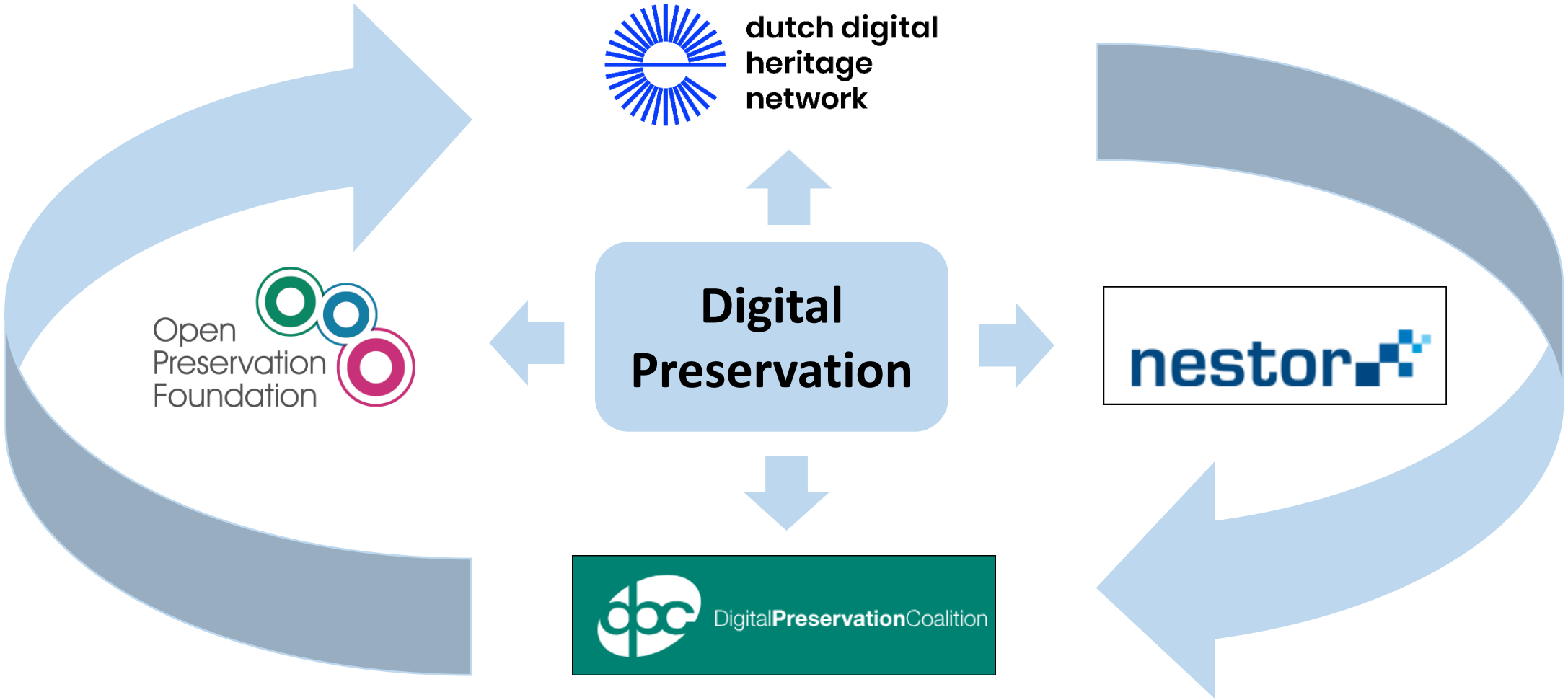
Member driven Open Preservation Foundation

- “Interest Groups” organized by members
- OPF Activities and roadmap planned in cooperation with members
- Members can ask for support
- Membership should be of value for the members
- Current projects:

    e-ARK project

    Preservation Action Registry project

OPF Strategy: http://openpreservation.org/public/OPF_Strategy_2018.pdf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Open Preservation Foundation
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nestor
DigitalPreservationCoalition

World Digital Preservation Day

29 November 2018

Amsterdam, collaboration DPC & NDE

iPRES 2019

16TH INTERNATIONAL CONFERENCE ON DIGITAL PRESERVATION AMSTERDAM

16 | 20 SEPTEMBER 2019

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