

# Collaboration in Digital Preservation

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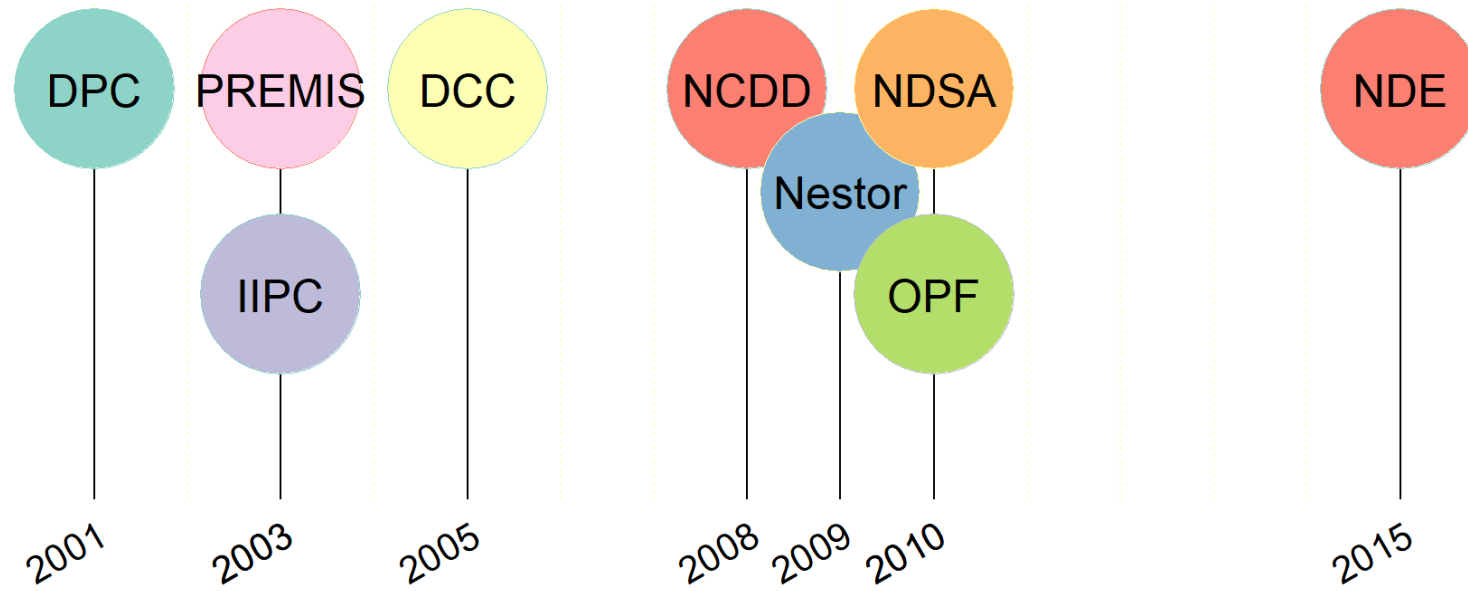
dutch digital  
heritage  
network

**KB**

Koninklijke Bibliotheek  
National Library of the Netherlands



# Some examples...



# Dutch Digital Heritage Network



**dutch digital  
heritage  
network**



**NCDD**

NATIONALE  
COALITIE  
DIGITALE  
DUURZAAMHEID

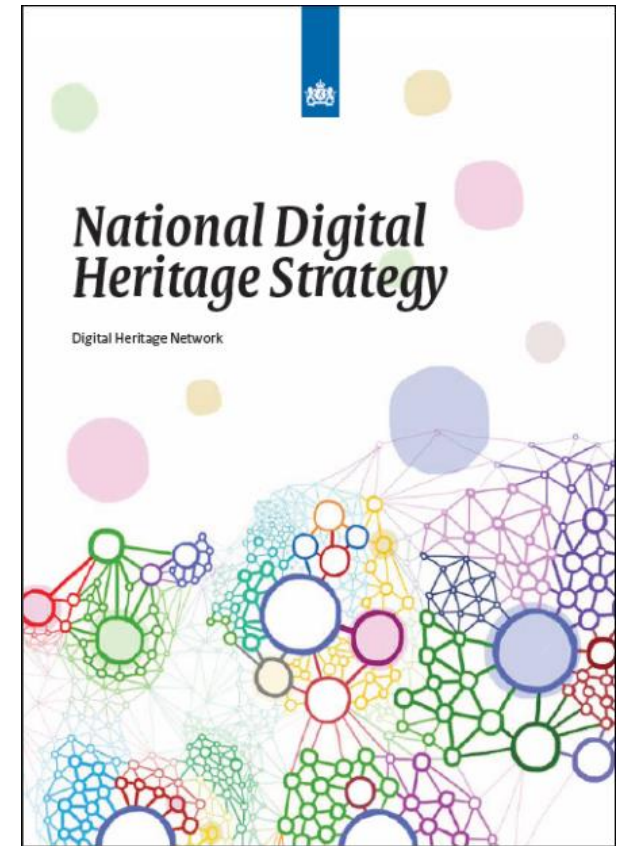
## 2008 - 2018 Netherlands Coalition for Digital Preservation



# 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

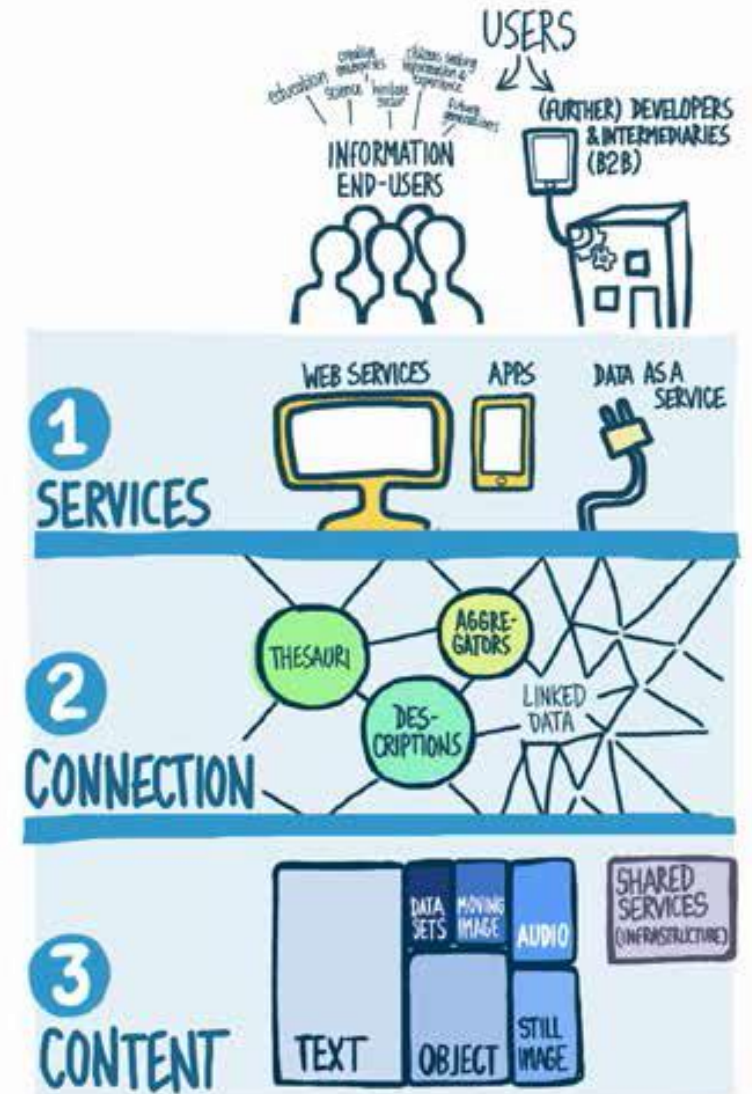


# 3 Work programmes

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

The screenshot shows the 'Leren Preserveren' website. The header includes a logo, a search bar, and a 'LOGIN' button. A left sidebar contains navigation links: Home, Over deze cursus, Cursusvarianten, Data en inschrijven, Starten, and Wordenlijst. The main content area is titled 'LEREN PRESERVEREN' and includes a sub-header 'Tijdens deze introductiecursus zet je de eerste stappen in het duurzaam opslaan, beheren en toegankelijk houden van digitaal erfgoed.' Below this are four interactive cards: 'Data en inschrijven' (with an alarm clock icon), 'Plan en start je route' (with a compass icon), 'Over deze cursus' (with a shopping cart icon), and 'Cursusvarianten' (with a clapperboard icon). On the right, there is a 'LOGIN MET' section with social media icons and a 'NAAR DE MODULES' section with buttons for 'A. De achtergrond', 'B. Het speelveld', and 'C. De praktijkstap'. At the bottom right, a 'WIE IS ONLINE' section states 'Op dit moment zijn er geen leden online'.

Training

The screenshot shows a website page with a navigation bar at the top containing 'HOME | WEGWIJZER DUURZAAMHEIDSBELIED', 'START', 'FORMULEER EEN VISIE', 'DEFINIEER AANDACHTSGEBIEDEN', and 'WERK HET UIT'. The main content is divided into two columns. The left column is titled 'DIGITALE COLLECTIES ZIJN KWETSBAAR' and contains a paragraph about the fragility of digital collections. The right column is titled 'BELEID HELPT' and contains a paragraph about the importance of clear digital preservation policies. Below these columns is a section titled 'KIES JULLIE ROUTE' which lists three steps: formulating a vision, defining focus areas, and further developing measures. To the right of this section is a diagram titled 'Visie op digitale duurzaamheid' showing a central circle with 'Visie' and 'op digitale duurzaamheid' surrounded by smaller circles representing focus areas and measures. A legend at the bottom right explains the symbols: a pink circle for 'Visie', a green circle for 'Aandachtsggebieden om globale doelen vast te stellen', and a yellow circle for 'Bepalende om concrete maatregelen te omschrijven'.

Preservation Policies





# What we achieved...



Home Scoremodel Documents FAQ Disclaimer Contact

## Welcome to scoremodel.org!

### Escape from the digital minefield

Digital sustainability is a concern to every organization that spends time and money on preserving digital files. Digital files are vulnerable: hardware ages, mistakes are made when copying files, old file formats are no longer supported. And above all, human errors also affect the integrity of digital files.

This scoring model guides you through the minefield of risks and threats. The final score charts the strengths and weaknesses of your digital household and indicates where you can best intervene to further reduce the risks.

### Self-assessment

The scoring model assesses the status of your digital household asking 56 questions, grouped in 7 clusters:

- **Mandate and policy:** Does your organization have a mandate for the long-term preservation of digital files and is your organization sustainable in itself?
- **Preservation strategy:** Has your organization made explicit what, for whom and how it preserves digital files?
- **Knowledge and organization:** Does your organization have proper in-house expertise and is it used adequately?
- **Technical infrastructure:** Does your organization have a reliable and sustainable infrastructure for the preservation of digital files?
- **Ingest:** Does your organization have procedures and requirements in place to manage the intake of digital files into your preservation system?
- **Planning and quality control:** Does your organization have a mechanism in place to plan and monitor the accurate functioning of your digital repository?
- **Access:** Does your organization provide proper access to digital files?

### Maturity Model

It is important that you systematically deal with the risks. First try to get outside the red zone for each cluster. With a few targeted measures, the biggest threats can often quickly be resolved. In a next phase some less urgent measures can then be taken. In this way, the security of digital storage grows systematically, until a satisfactory safety level can be achieved.



## Self-assessment

The screenshot shows the homepage of 'Wegwijzer Certificering voor Digitale Archieven'. The header includes the title and a navigation menu with options: HOME, WAAROM CERTIFICERING?, INSTRUMENTEN VOOR CERTIFICERING, CERTIFICERING IN DE PRAKTIJK, and OVER DEZE WEGWIJZER. Below the navigation is a search bar and four main content blocks: 'Waarom certificering?' (with a trust gauge image), 'Instrumenten voor certificering' (with a pyramid image), 'Certificering in de praktijk' (with a group of people image), and 'Over deze wegwijzer' (with a network diagram image). A section titled 'Welkom op de Wegwijzer Certificering voor Digitale Archieven' contains introductory text about the importance of certification and a 'Twitter' link for 'Tweets by DigitaalErfgoed'.

## Roadmap Audit & Certification



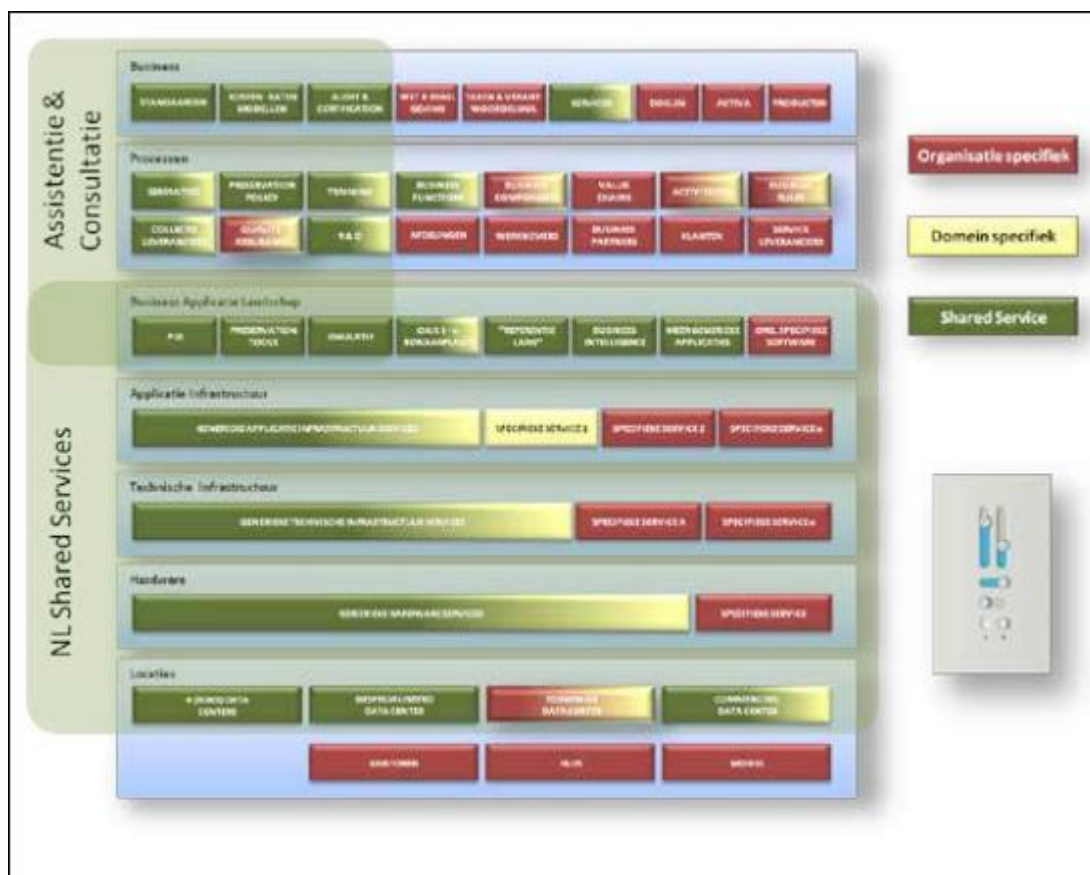
# What we achieved ... Cost model



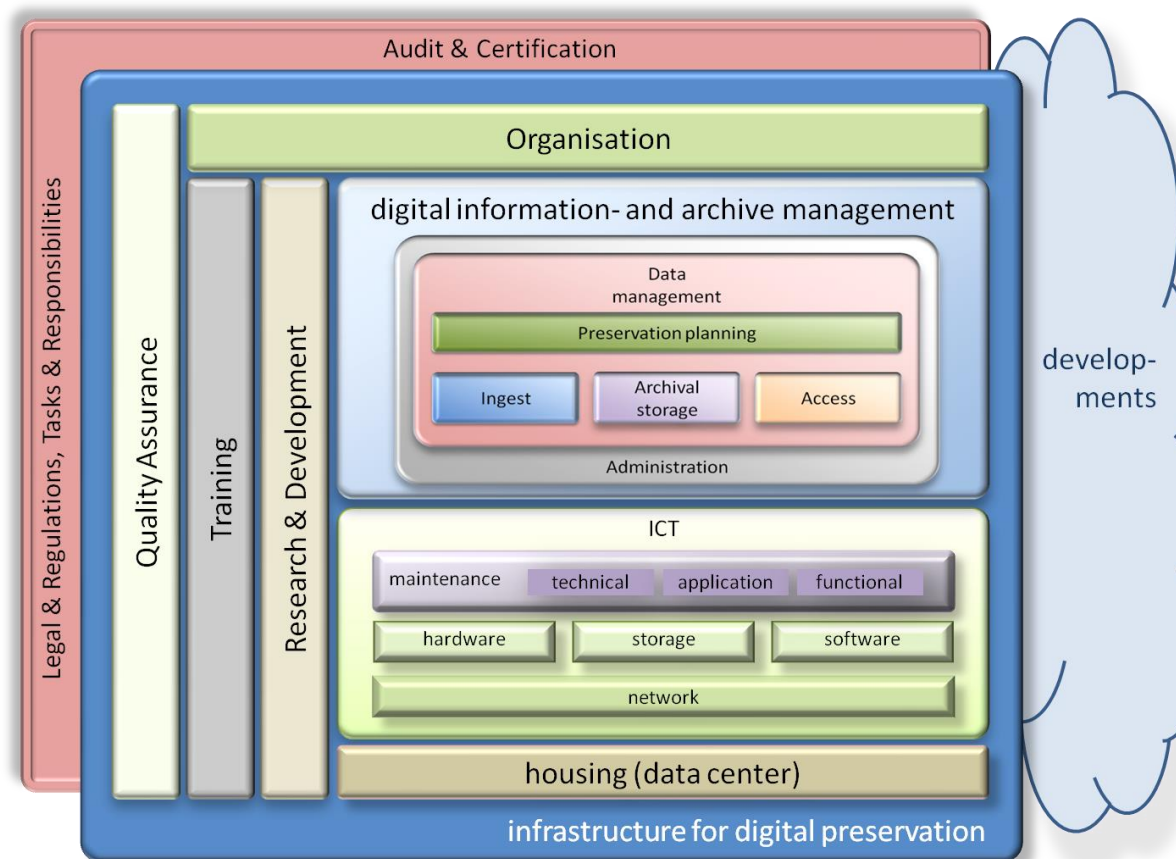
Cost model based on 4C CC-ex model



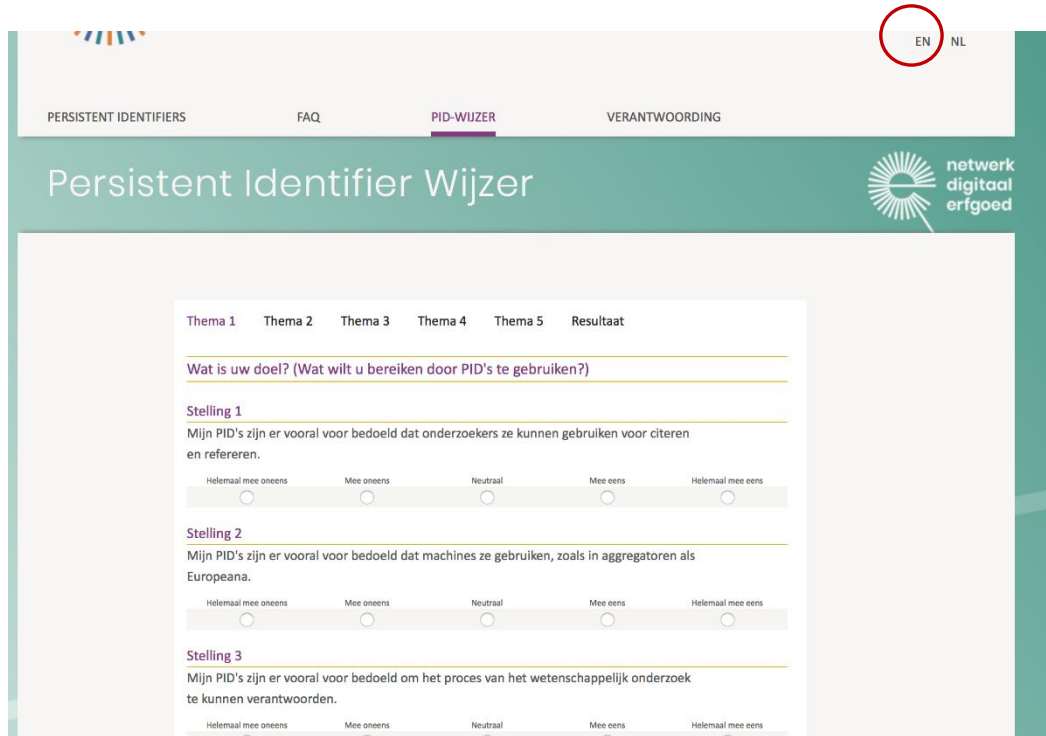
# What we achieved... Services overview



Inventory services needed & available



# What we achieved ...



The screenshot shows the 'Persistent Identifier Wijzer' website. At the top right, there are language options 'EN' and 'NL', with 'EN' circled in red. The navigation menu includes 'PERSISTENT IDENTIFIERS', 'FAQ', 'PID-WIJZER', and 'VERANTWOORDING'. The main header features the title 'Persistent Identifier Wijzer' and the logo for 'netwerk digitaal erfgoed'. The survey form has tabs for 'Thema 1', 'Thema 2', 'Thema 3', 'Thema 4', 'Thema 5', and 'Resultaat'. The current question is 'Wat is uw doel? (Wat wilt u bereiken door PID's te gebruiken?)'. It contains three statements, each followed by a Likert scale with five options: 'Helemaal mee oneens', 'Mee oneens', 'Neutraal', 'Mee eens', and 'Helemaal mee eens'.

EN NL

PERSISTENT IDENTIFIERS FAQ PID-WIJZER VERANTWOORDING

Persistent Identifier Wijzer netwerk digitaal erfgoed

Thema 1 Thema 2 Thema 3 Thema 4 Thema 5 Resultaat

Wat is uw doel? (Wat wilt u bereiken door PID's te gebruiken?)

**Stelling 1**  
Mijn PID's zijn er vooral voor bedoeld dat onderzoekers ze kunnen gebruiken voor citeren en refereren.

Helemaal mee oneens Mee oneens Neutraal Mee eens Helemaal mee eens

**Stelling 2**  
Mijn PID's zijn er vooral voor bedoeld dat machines ze gebruiken, zoals in aggregatoren als Europeana.

Helemaal mee oneens Mee oneens Neutraal Mee eens Helemaal mee eens

**Stelling 3**  
Mijn PID's zijn er vooral voor bedoeld om het proces van het wetenschappelijk onderzoek te kunnen verantwoorden.

Helemaal mee oneens Mee oneens Neutraal Mee eens Helemaal mee eens

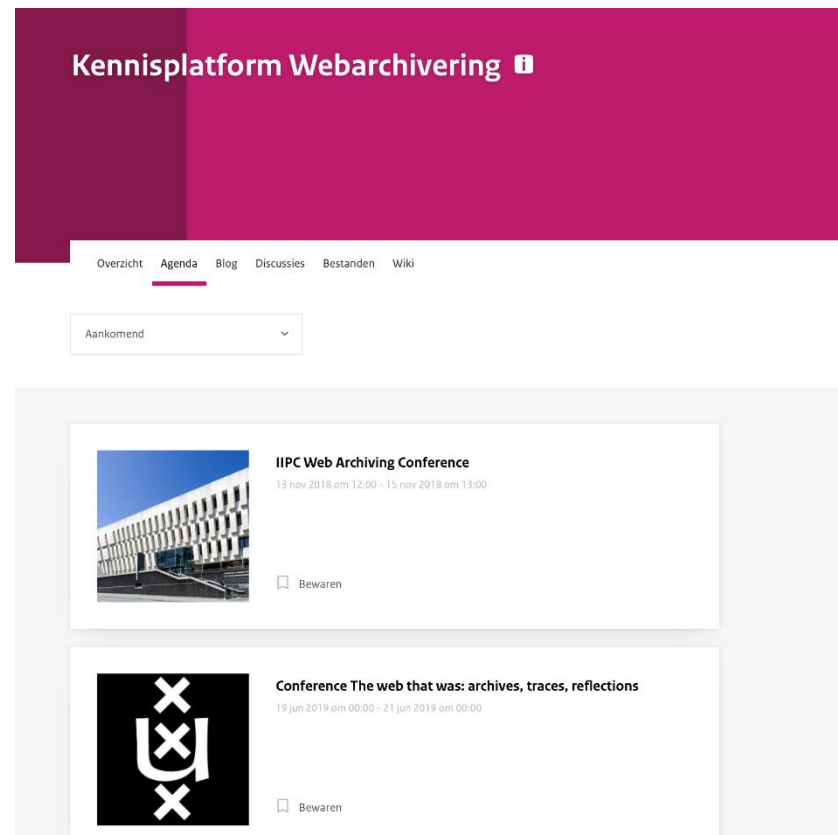
PID guide



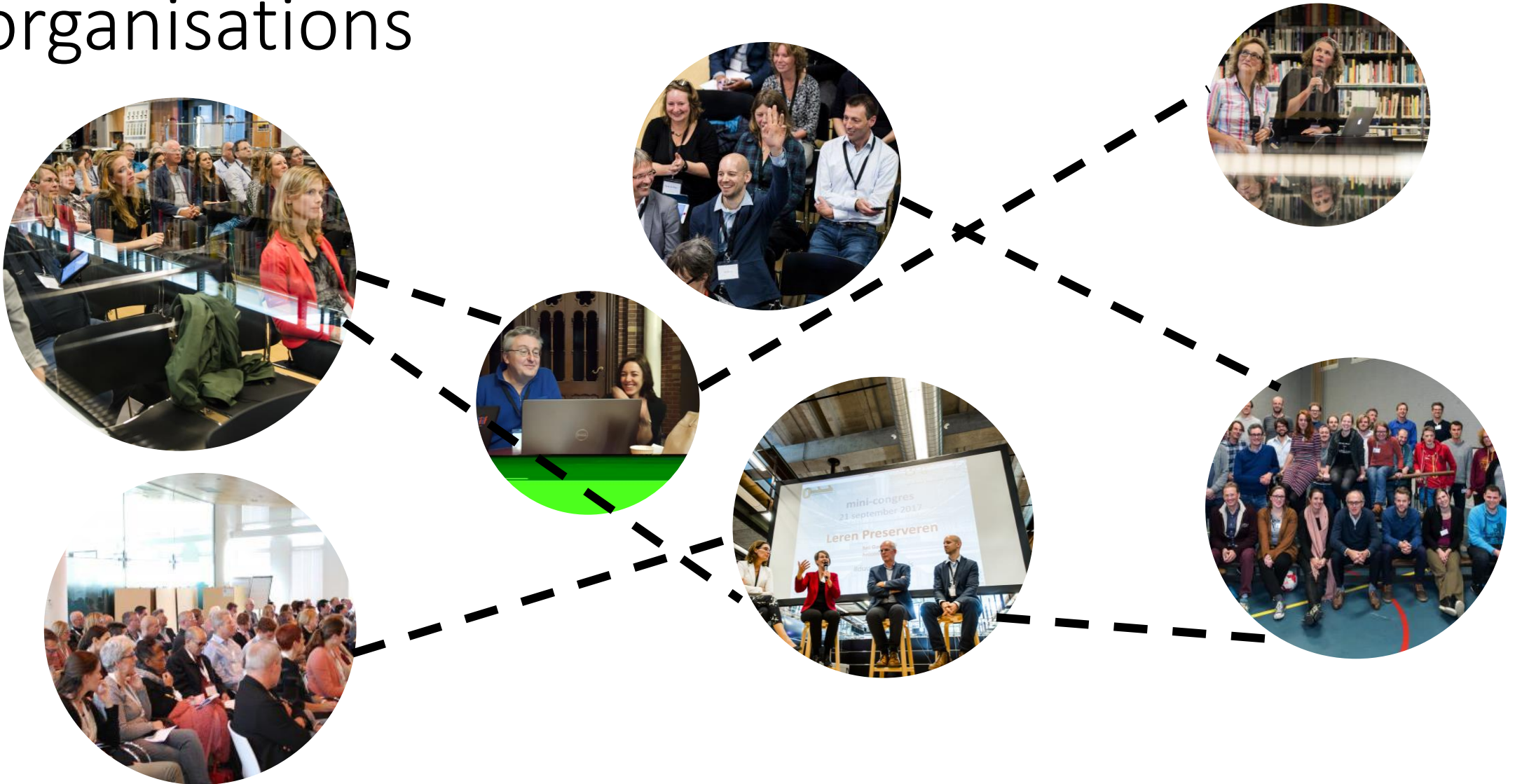
# What we achieved... Collection development



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 erfgoed informatie 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, kennisinstututen, 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 erfgoed informatie 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 erfgoed informatie 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 \_\_\_\_\_



# 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 assessment, 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**

**Bibliothèque Nationale de France**

**Det Kgl. Bibliotek**

**Ex Libris**

**Goportis**

**International Atomic Energy Archives**

**Jisc**

**Koninklijke Bibliotheek**

**Latvijas Nacionālā bibliotēka**

**Nasionalbiblioteket**

**Nationaal Archief**

**Österreichische Nationalbibliothek**

**Preservica**

**Rahvusarhiiv**

**Rigsarkivet**

**The National Archives UK**

**Yale University Library**

**Arcsys Software**

**Albert-Ludwigs Universität**

**Artefactual**

**Biblioteca Nacional de Portugal**

**Portico**

**PSNC (Poznan Supercomputing & Networking Centre)**

**University of North Carolina**



## **VISION**

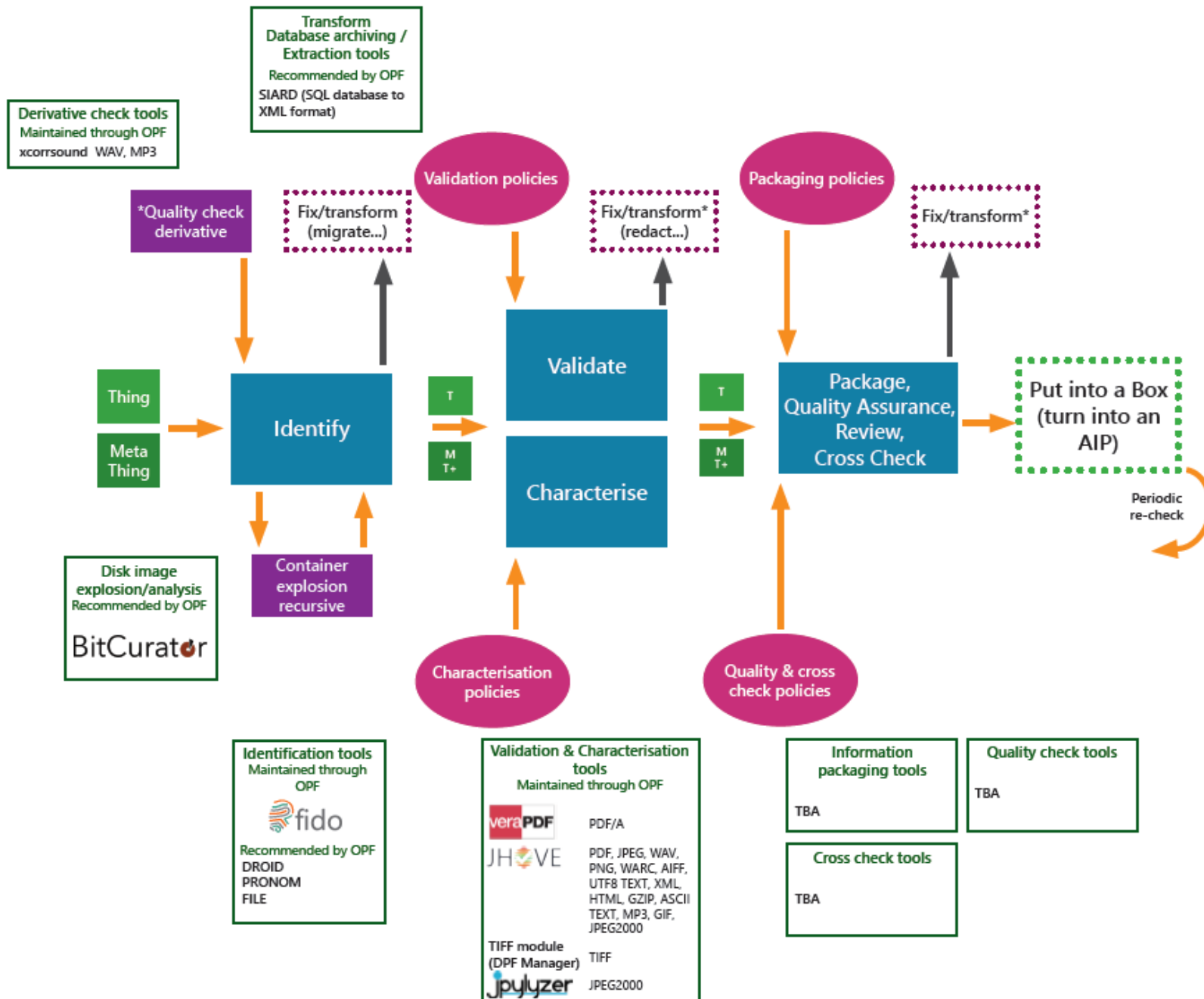
Open sustainable digital preservation.

## **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.







# 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

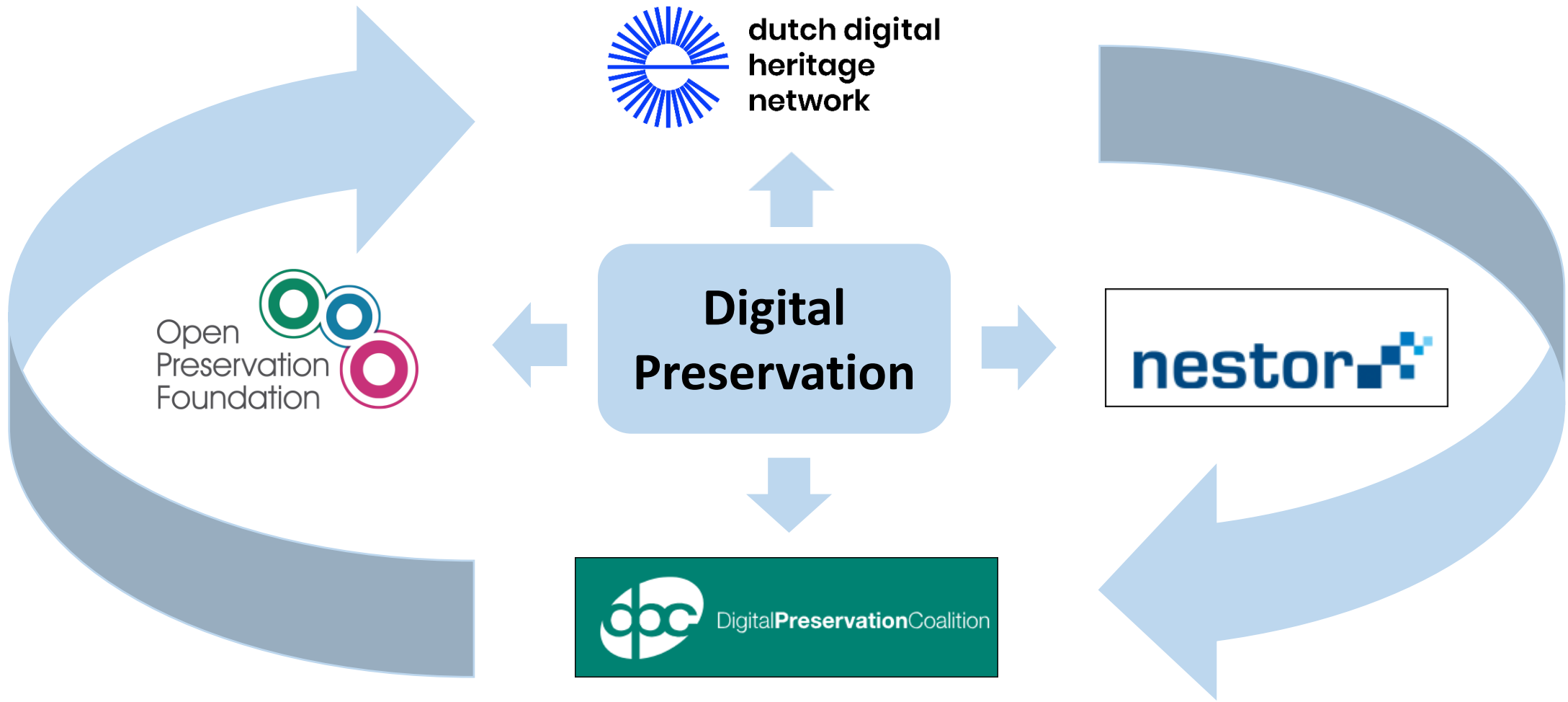
# Member driven Open Preservation Foundation

- “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](http://openpreservation.org/public/OPF_Strategy_2018.pdf)





# World Digital Preservation Day

29 November 2018

Amsterdam, collaboration DPC & NDE



# ipRES 2019

16TH INTERNATIONAL CONFERENCE  
ON DIGITAL PRESERVATION  
AMSTERDAM

16 | 20 SEPTEMBER 2019

[ipres2019.org](http://ipres2019.org)

