



TOWARDS
A NATIONAL
COLLECTION

Heritage PIDs
Part of
Towards a National Collection



TOWARDS
A NATIONAL
COLLECTION

Seminar : Persistent Identifiers in IIF - 26th October 2021

Joseph Padfield - Principal Scientist at National Gallery

@PracticalIIF - @HeritagePIDs

<https://tanc-ahrc.github.io/IIF-TNC>

<https://tanc-ahrc.github.io/HeritagePIDs>

<https://www.nationalcollection.org.uk>



Joseph Padfield

- <https://orcid.org/0000-0002-2572-6428>
- Principal Scientist - National Gallery, London (20+ years)
- Preventive conservation, colour science, conservation documentation, technical examination of paintings, data sharing, IIIF, open-linked data, etc.
- Current work involves:
 - Interoperability of instrumentation and digital documentation” in the IPERION-HS (H2020) project.
 - FAIR data in the SSHOC (H2020) project (<https://sshopencloud.eu/>)
 - Principal investigator - Practical applications for IIIF (AHRC – Towards a National Collection).
 - Co-I – Heritage PIDs (AHRC – Towards a National Collection).

Practical applications of IIIF

Project Investigators: Joseph Padfield (PI) & Anne McLaughlin - NG, Torsten Reimer & Neil Fitzgerald - BL (Co-I), Charlotte Bolland - NPG (Co-I), Melissa Terras – EDU (Co-I).

THE
NATIONAL
GALLERY

National
Portrait
Gallery

THE UNIVERSITY
of EDINBURGH

LIBRARY
HS1111B

Project Partners: Lorna Mitchell & Roger Hyam (RBGE), Tom Crane (Digirati), Tom Cramer (Stanford University Libraries), Jamie Unwin (SMG), Richard Palmer & Luca Carini (V&A), Glen Robson (IIIF)



Royal
Botanic Garden
Edinburgh

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Practical applications of IIIF – Project Aims

Highlight and demonstrate opportunities and benefits the IIIF standard offers to a wide audience of institutions and researchers.

Examine its potential to virtually connect collections from different organisations, allowing users to experience and interact with image resources, both for research and public presentations.

Document/list existing IIIF systems and tools, or contribute to existing lists, and demonstrate how they can be used.

Identify what additional tools, services or training opportunities are available and explore what new ideas might need to be developed to help maximise the potential of IIIF resources.

Practical applications of IIIF as a building block towards a digital National Collection

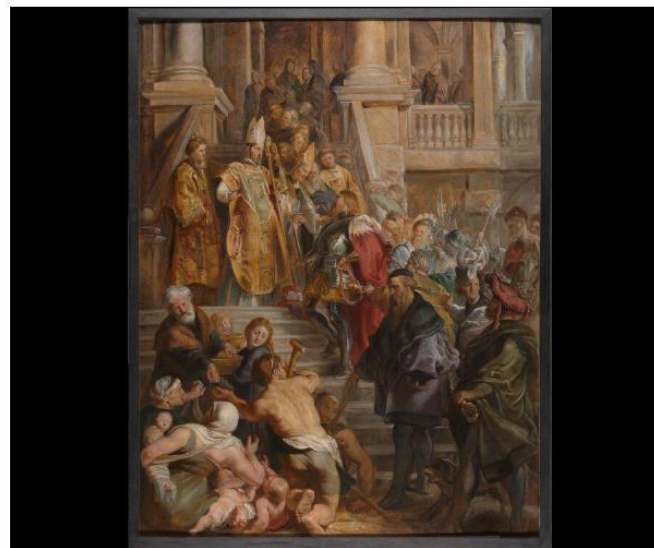
The Question

How can we best build a common infrastructure for sharing high quality images from heritage collections and sites?

This project will explore and demonstrate the possibilities of the [International Image Interoperability Framework \(IIIF\)](#) to support the dissemination of born digital and digitised heritage images for research and engagement. IIIF, along with a wide range of freely available [IIIF compliant software](#), represents a flexible, standard approach to providing reliable access to such images. However, though well described, setting up and re-using such IIIF resources can still be complex, particularly for smaller institutions or individual researchers. Also, a better understanding of how to combine IIIF resources across multiple institutions and present a National Collection, to diverse audiences, is needed.

This project aims to demonstrate the opportunities and benefits that IIIF offers, to a wide audience of users and help to define more robust use cases of IIIF, for institutions, but also for individual researchers who want to re-use and exploit IIIF resources to carry out new research, create new opportunities and tell alternative stories. This work will highlight existing software and resources and identify what new tools, services or training might be required to maximise the potential of IIIF within the heritage community.

This will be achieved through a series of targeted workshops and surveys, along with the creation of pilot demonstrators, to provide tangible examples of what can be achieved. This process will involve both technical and non-technical researchers in collaboratively building resources, to increase mutual understanding of the possibilities and requirements.



Peter Paul Rubens, Saint Bavo is received by Saints Amand and Floribert © The National Gallery, London. Holwell Carr Bequest, 1831. This image is licensed under [CC-BY-NC-ND 4.0](#).

This project is a Foundation project within the the [AHRC](#) funded [Towards a National Collection Programme](#).

<https://tanc-ahrc.github.io/IIIF-TNC>

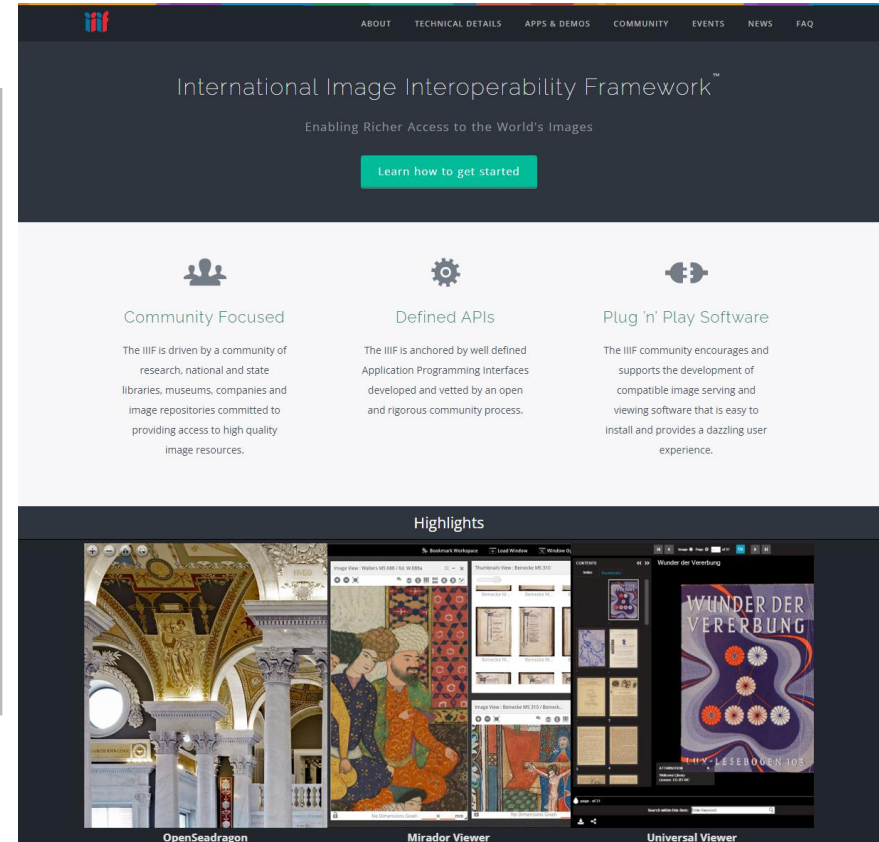
<https://zenodo.org>

International Image Interoperability Framework (IIIF)

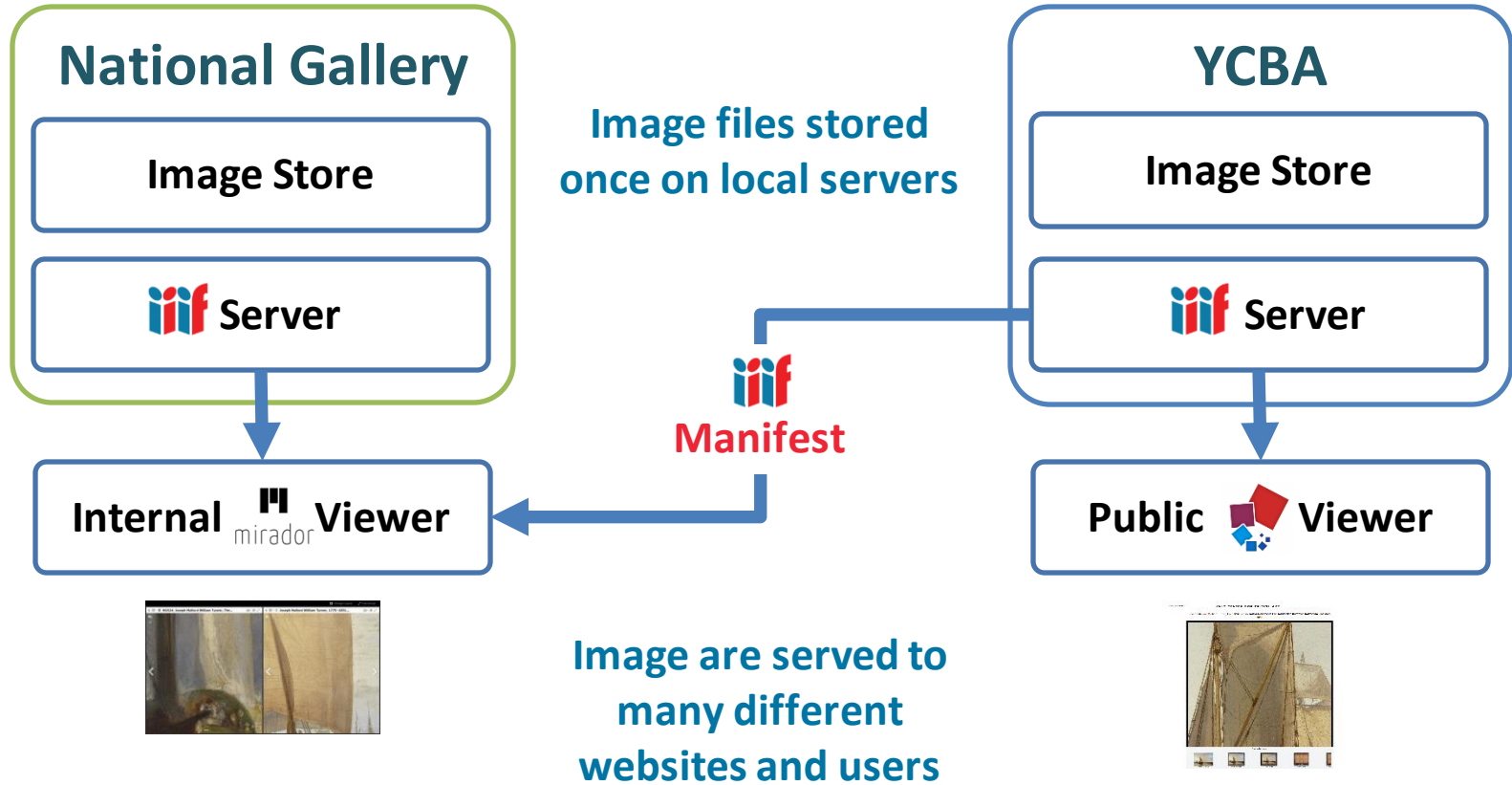


- International open set of standard APIs for sharing images (and A/V)
- Supported by community of Museum, Galleries, Libraries, Universities and Private Companies.
- Come with a wide selections of free image servers, image viewers and tools.
- Designed to allow images to be **dynamically displayed** together, from multiple locations, **without downloading** them.
- Store once – use multiple times

<https://iiif.io>



IIIF - National Gallery + Yale Center For British Art



IIIF - National Gallery + Yale Center For British Art

THE NATIONAL GALLERY National Gallery Image Server

New Search Add to Search

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Change Layout Full Screen

Close

Filter objects:

Add new object from URL: <https://scientific.ng-london.org.uk/tools/> Load

YALE
CENTER
FOR
BRITISH
ART

Joseph Mallord William Turner, 1775–1851, British, Dort or Dordrecht: The Dort packet-boat from Rotterdam becalmed, 1818, Oil on canvas, Yale Center for British Art, B1977.14.77, Paintings and Sculpture

(Added from URL)

8 items



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NG1991: Joseph Mallord William Turner, The Evening Star, about 1830, Oil on canvas, (91.1 x 122.6 cm)

National Gallery

6 items



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NG538: Joseph Mallord William Turner, Rain, Steam, and Speed - The Great Western Railway, 1844, Oil on canvas, (91 x 121.8 cm)

National Gallery

32 items



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NG1984: Joseph Mallord William Turner, Margate (?), from the Sea, about 1835-40, Oil on canvas, (91.2 x 122.2 cm)

National Gallery

2 items



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NG524: Joseph Mallord William Turner, The Fighting Temeraire, 1839, Oil on canvas, (90.7 x 121.6 cm)

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56 items



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NG521: Joseph Mallord William Turner, The Parting of Hero and Leander, before 1837, Oil on canvas, (146 x 236 cm)



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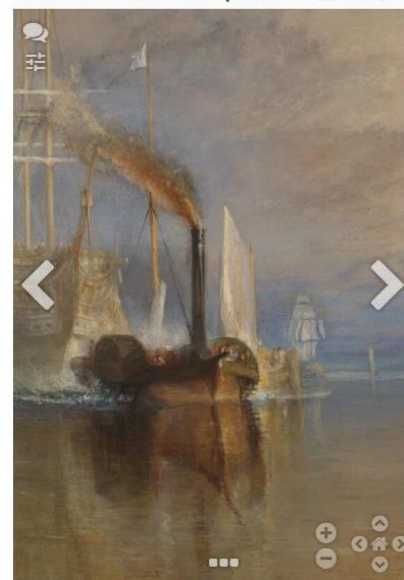
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NG524: Joseph Mal... Joseph Mallord Will...



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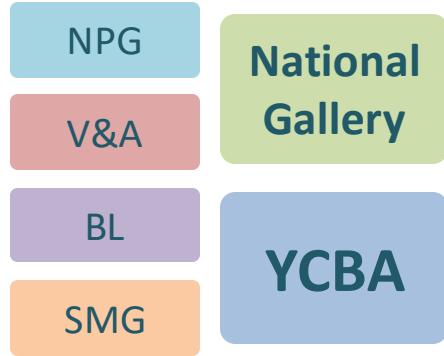


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