

Session régionale IIF France

Conférence annuelle IIF 2021 - 24 juin 2021

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International
Image
Interoperability
Framework

3-i-F / i-3-F / triple-i-F

IIIF ?

Un modèle pour présenter et annoter des contenus numériques (images, fichiers audio/vidéo)

Une communauté, qui développe des APIs ouvertes, les implémente dans des logiciels, et expose des contenus interopérables

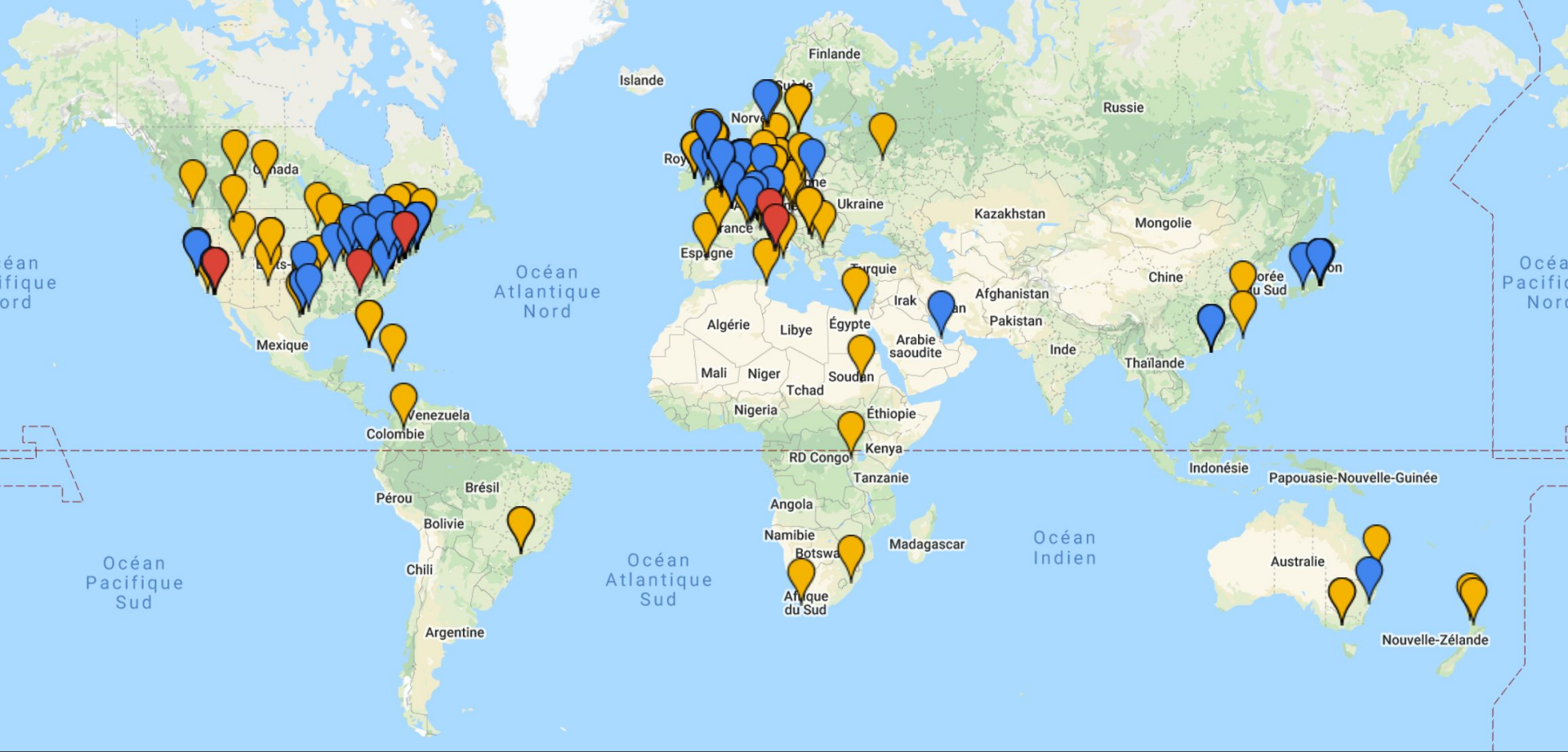
Contextes d'utilisation de IIF

- Bibliothèques (locales à nationales)
- Musées
- Recherche
- Enseignement et formation
- Projets en humanités numériques ou IA/apprentissage automatique
- Sciences et techniques de l'ingénieur (STEM) : bio-imagerie, sciences de la Vie etc.

La communauté IIF



IIF Annual Conference, Göttingen, Allemagne, Juin 2019



Des centaines d'organisations impliquées - bit.ly/iiifmap

Les spécifications IIF

Versions stables :

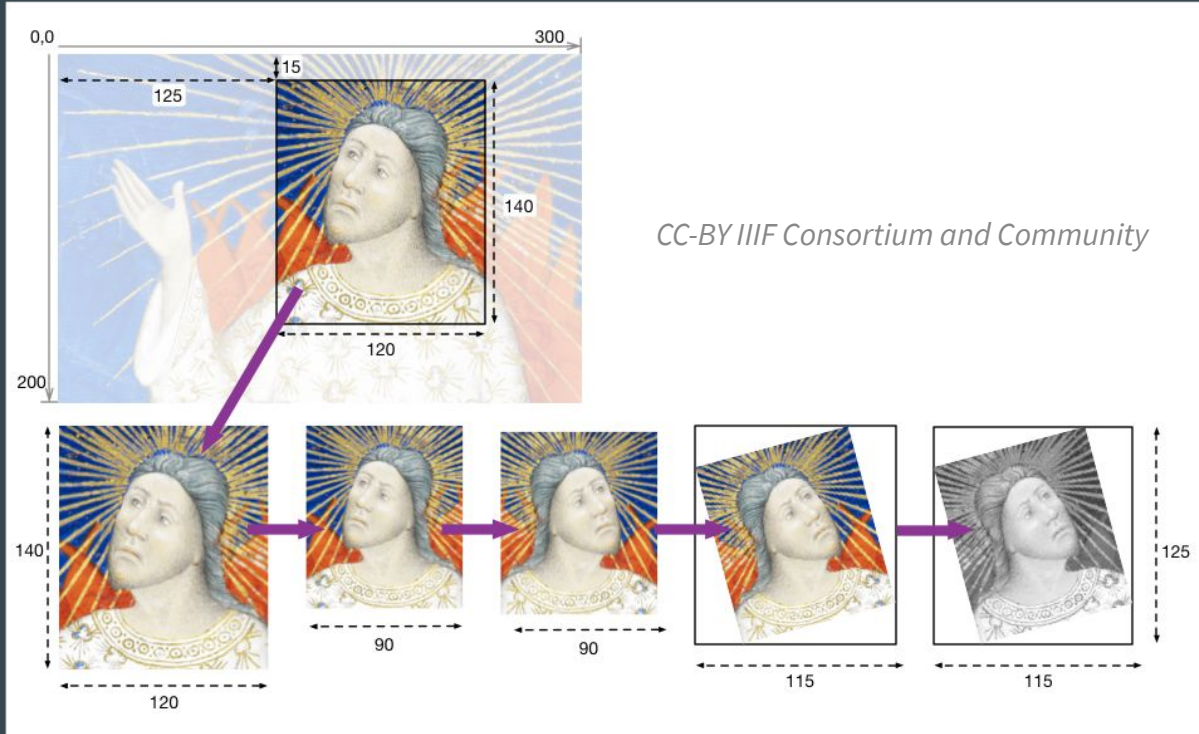
- Image API 3.0
- Presentation API 3.0
- Authentication API 1.0
- Content Search API 1.0
- Change Discovery API 1.0 🎉

Versions Beta :

- Content State API (RC 0.9)

[iiif.io/technical-details](https://www.iiif.io/technical-details)

API Image



<https://example.com/{id}/{region}/{size}/{rotation}/{quality}.{fmt}>

API Présentation

Un *Manifeste* ?...

- Juste assez de **métadonnées** (descriptives / structurelles / techniques) **nécessaires à la présentation** d'un objet numérisé
- Définit la **sémantique de présentation** (et non la description de l'objet)
- Fichier JSON chargé par un visualiseur pour afficher un objet numérisé (format JSON-LD = *JSON for Linked Data*)

Index

Table of contents

[Front matter]

[Frontispiece]

[Title page]

[Preliminaries]

[Epistle Dedicatory]

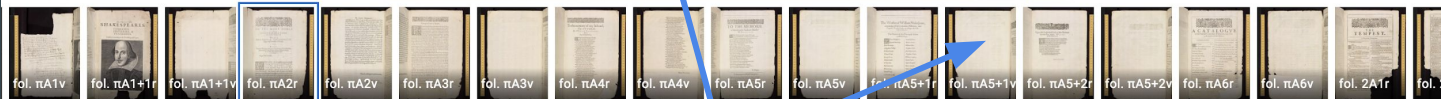
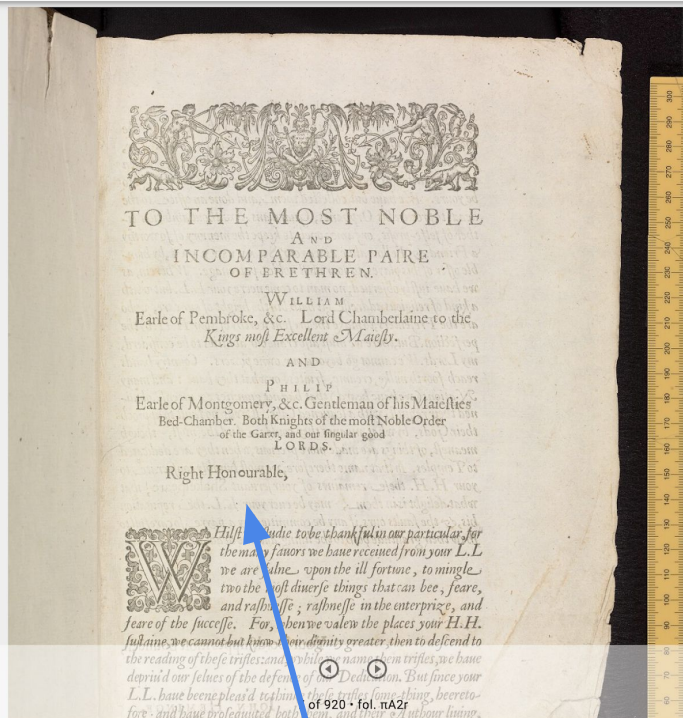
To the great Variety of
Readers.

To the memory of my
beloued, The Avthor Mr.
William Shakespeare: And
what he hath left vs.

To the Memorie of the
deceaſed Authour Maiſter
W. Shakespeare.

[Works and Names of
Actors]

Vpon the Lines and Life
of the Famous Scenicke
Poet, Maſter William



About this item

CURRENT ITEM

fol. πA2r

RESOURCE

Bodleian Library Arch. G c.7

Mr. VWilliam Shakespeares
comedies, histories, & tragedies:
Published according to the True
Originall Copies.

Homepage

[View on Digital Bodleian](#)

Title

Mr. VWilliam Shakespeares
comedies, histories, & tragedies:
Published according to the True
Originall Copies.

Author

Digges, L.

Author

Heminge, John, approximately 1556-
1630

Author

Jonson, Ben

Author

API Image

(requêtes d'images, zoom progressif)

The screenshot displays a digital library interface for a book. The central image shows a page with a decorative title: "TO THE MOST NOBLE AND INCOMPARABLE PAIRE OF BRETHERN. WILLIAM Earle of Pembroke, &c. Lord Chamberlaine to the Kings most Excellent Maies". Below the title, there is a dedication: "To the great Variety of Readers. To the memory of my beloued, The Avthor Mr. William Shakespeare: And what he hath left vs. To the Memorie of the deceafed Authour Maifter W. Shakespeare." The page is annotated with three red boxes and arrows:

- Structure:** A red box at the top left highlights the breadcrumb "Bodleian Library Arch. G c.7".
- Métadonnées:** A red box on the right highlights the "About this item" sidebar, which contains metadata such as "CURRENT ITEM", "RESOURCE", "Title", "Author", and "Published according to the True Originall Copies".
- Séquence:** A red box at the bottom highlights a thumbnail in a sequence of page thumbnails, specifically "fol. πA5+2r".

The interface also includes a left sidebar with a table of contents, a top navigation bar, and a bottom sequence of thumbnails for other pages in the volume.

API Presentation

(métadonnées structurales et techniques... pour l'affichage)

Métadonnées descriptives

(sans sémantique)

Titre, auteur, date, etc.

Informations d'attribution, droits,
licence

Séquence(s)

liste ordonnée de
Canevas

Structure interne

Table des matières, index,
chapitrage audio/vidéo etc.

Manifeste IIIF



JSON-LD

Annotations

OCR, transcription,
commentaires, tags, etc.

Métadonnées techniques

sens et comportement de lecture
ou feuilletage, format/taille/durée
des contenus (image, audio, vidéo,
etc.

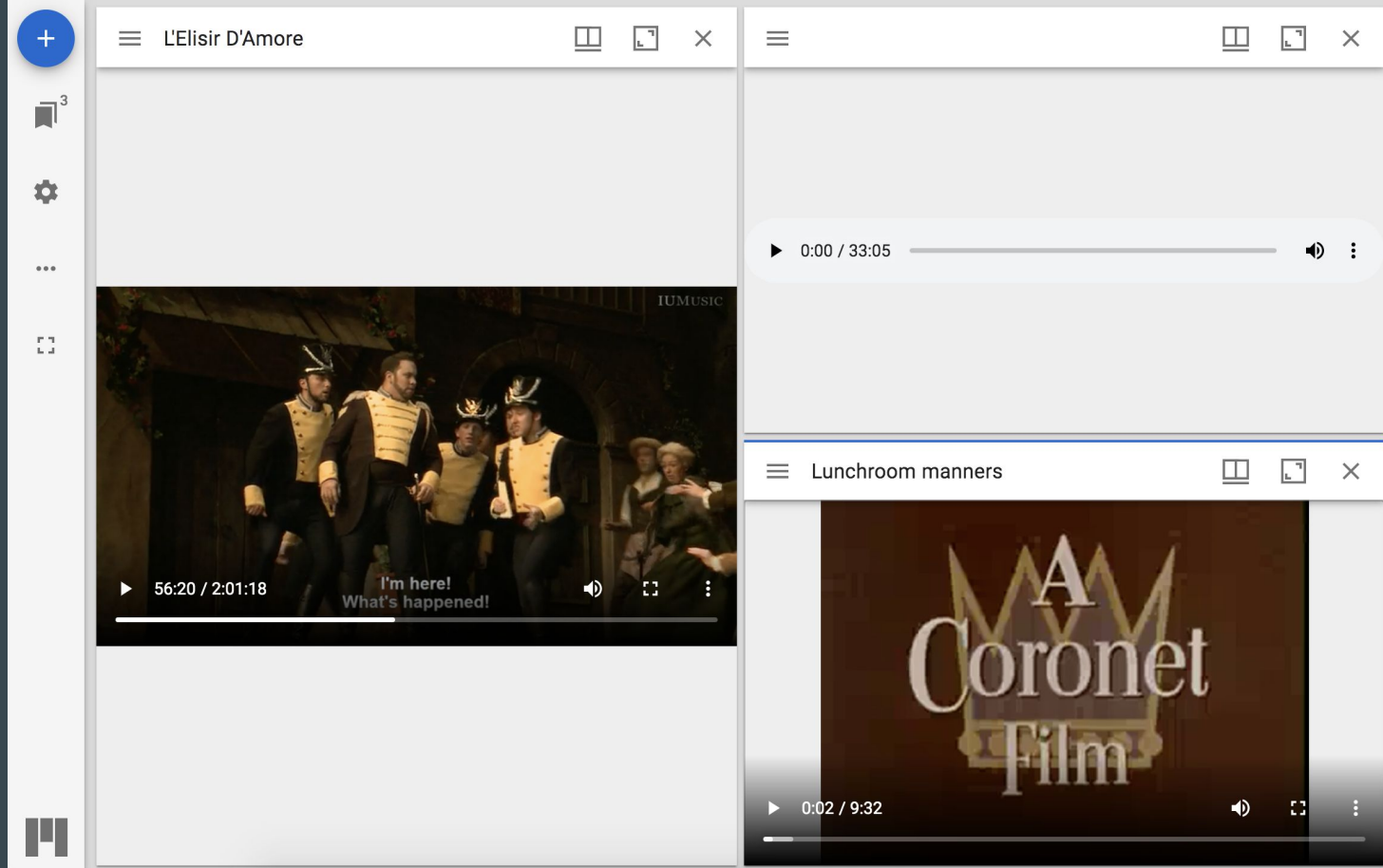
Liens et “services” externes

pour les humains
pour les machines

IIIF et l'audio/vidéo : API Présentation 3.0

- ajout d'une dimension temporelle au *Canvas* (propriété `duration`)
- possibilité d'annoter une **zone spatiale** (xywh) d'un *Canvas* ou une **étendue temporelle**, pour y associer du contenu (image, texte ou autre)

`https://example.org/canvas/p2#xywh=70,60,500,100&t=5,20`




Affichage/lecture de sons et de vidéos dans [Mirador 3](#)...

CONTENTS << Remainder of Atto Primo >> MORE INFORMATION

Index Thumbnails

- Gaetano Donizetti, L'Elisir D'Amore
 - Atto Primo
 - Preludio e Coro d'introduzione – Bel conforto al mietitore
 - [Remainder of Atto Primo](#)
 - Atto Secondo



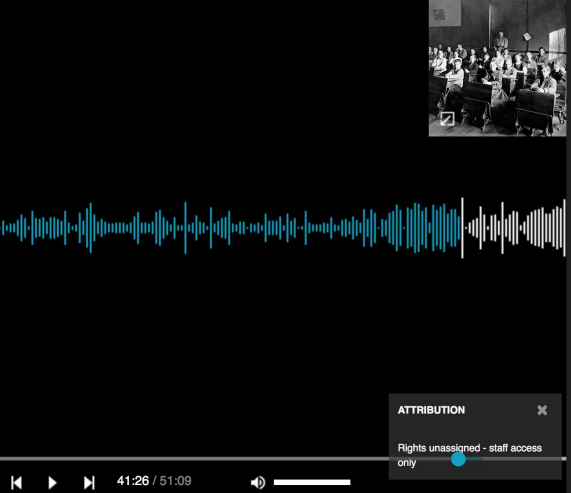
IUMUSIC

05:21 / 02:01:19

CONTENTS << Ire Ekiti, Ògún festival - Recording fragments >> MORE INFORMATION

Index Thumbnails

- Igbo Iwin overlays
 - Ire Ekiti, Ògún festival
 - Ire Ekiti, Ògún festival - Interview with the Onire of Ire Ekiti Oba Adéyeyè II
 - Ire Ekiti, Ògún festival - Interview with unidentified participant
 - [Ire Ekiti, Ògún festival - Recording fragments](#)
 - Ire Ekiti, Ògún festival - Interview about the history of the festival
 - Unidentified recording with voices and street noise



41:26 / 51:09

ATTRIBUTION

Rights unassigned - staff access only

... et dans UniversalViewer

Simple IIIF Interactive Transcript - BBC TextAV

Get Random Manifest

<https://tomcrane.github.io/bbctextav/iiif/ID193605600.json>

Parse Manifest

View Manifest

07.06.2018: Aktuelle Stunde zu den Auswirkungen der Datenschutz-Grundverordnung



00:40 - 00:43

Die Ängste der Menschen sind real.

00:43 - 00:48

In Anbetracht des deutschen Abmahnwesens sind sie auch realistisch.

00:48 - 00:51

Vor zwei Wochen war sogar in der „Zeit“ zu lesen,

00:51 - 00:53

dass es der deutschen Mittelschicht längst nicht so gut geht,

00:53 - 00:55

wie hier immer behauptet wurde.

00:55 - 00:57

Viele Menschen befürchten den sozialen Abstieg,

API Content Search

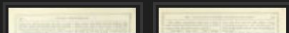
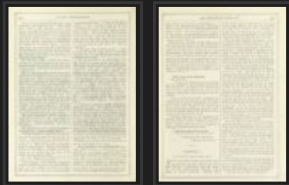
- **Spécifie un service web pour rechercher dans les annotations associées à un document numérique**
 - cas d'usage principal : rechercher en plein-texte dans le contenu OCRisé ou la transcription d'un document

THUMBNAILS

Index Thumbnails



Q 1



The Works of Charles Dickens. Household edition. [With illustrations.]

... that young lady, my admiration
er, my devotion to her for her love
nd truth, and goodness!—Take me," said Mr.
Micawber, "down a turning, for, upon my soul,
n my present state of mind I am not equal to
his!"

We wheeled him off into a narrow street,
here he took out his pocket-handkerchief, and
ood with his back to a wall. If I looked as
ravelly at him as Traddles did, he must have
ound our company by no means inspiring.

"It is my fate," said Mr. Micawber, unfeign-
edly sobbing, but doing even that, with a shadow
f the old expression of doing something gen-

"it is my fate, gentlemen, that the finer
ings of our nature have become reproaches
e. My homage to Miss Wickfield is a
of arrows in my bosom. You had better
me, if you please, to walk the earth as a
ond. The worm will settle my business
n double-quick time."

Without attending to this invocation, we
ood by, until he put up his pocket-handker-
chief, pulled up his shirt-collar, and, to delude
ny person in the neighbourhood who might
ave been observing him, hummed a tune with
his hat very much on one side. I then men-
tioned—not knowing what might be lost if we
st sight of him yet—that it would give me
reat pleasure to introduce him to my aunt, if
e would ride out to Highgate, where a bed
as at his service.

"You shall make me a glass of your own
unch, Mr. Micawber," said I, "and forget

We went to my aunt's house rather than to
mine, because of Dora's not being well. My
aunt presented herself on being sent for, and
welcomed Mr. Micawber with gracious cor-
diality. Mr. Micawber kissed her hand, retired
to the window, and pulling out his pocket-
handkerchief, had a mental wrestle with himself.

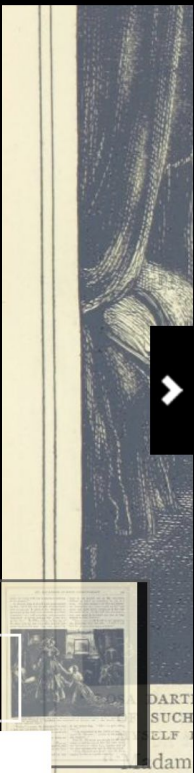
Mr. Dick was at home. He was by nature
so exceedingly compassionate of any one who
seemed to be ill at ease, and was so quick to
find any such person out, that he shook hands
with Mr. Micawber, at least half-a-dozen times
in five minutes. To Mr. Micawber, in his
trouble, this warmth, on the part of a stranger,
was so extremely touching, that he could only
say, on the occasion of each successive shake,
"My dear sir, you overpower me!" Which
gratified Mr. Dick so much, that he went at it
again with greater vigour than before.

"The friendliness of this gentleman," said
Mr. Micawber to my aunt, "if you will allow
me, ma'am, to cull a figure of speech from the
vocabulary of our coarser national sports—floors
me. To a man, who is struggling with a com-
plicated burden of perplexity and disquiet, such
a reception is trying, I assure you."

"My friend Mr. Dick," replied my aunt
proudly, "is not a common man."

"That I am convinced of," said Mr. Micaw-
ber. "My dear sir!" for Mr. Dick was shak-
ing hands with him again; "I am dea-
sensible of your cordiality!"

"How do you find yourself?" said
with an anxious look.



ABOUT THIS ITEM

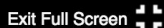
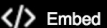
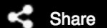


Page -
1 instance of 'wickfield' found

Previous Result

57 results found for 'wickfield' Clear

Next Result



clear

search terms
gutenberg

< 4 of 50+ >

2 (0005)
Johannes **Gutenberg** .

3 (0007)
Johannes **Gutenberg** .

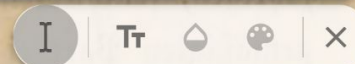
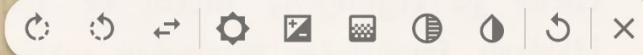
4 1 (0009)
Gutenberg fehrte , wie man annimmt , im Jahre

5 1 (0009)
Stein , **Gutenberg** . III .

6 17 (0025)
Stein , **Gutenberg** . III .

7 18 (0026)
, die , wie Freund **Gutenberg** einftr rich-

8 21 (0029)
da fie **Gutenberg** dort nicht fänden u



144
Jah
Stra
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1.

Gutenberg fehrte, wie man annimmt, im Jahre 1444 nach Mainz zurück, nachdem er etwa zehn Jahre des kräftigsten, männlichen Lebensalters in Straßburg unter Arbeit, Sorgen und Mühen verbracht hatte und er einige zwanzig Jahre, nach unserem Dafürhalten, seinem Familiensitze in Eltwill entflohen war, um den Drang seiner Seele vor den Vorurtheilen seines Standes zu flüchten. Die allgemeinen Zustände mit ihren Wirren und Kämpfen hatten sich indessen nur wenig verändert, die politischen Verhältnisse waren in ihren Grundzügen fest

API Authentication

- Définit un workflow d'interaction entre un client et des systèmes d'authentification
- 4 scénarios d'interaction :
 - “login” (authentification via un système externe)
 - “click through” (accès via un clic utilisateur)
 - “kiosk” (obtention d'un cookie)
 - “external” (cookie déjà présent)

Navigation icons: Previous, Image, Page, of, Go, Next, Fullscreen

CONTENTS << >> Correspondence 1953-1968

Index Images

Letter
Letter
Letter
Letter
Letter

CLOSE ✕

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MORE INFORMATION



Correspondence 1953-1968

From: Francis Crick Papers

Date

“IIF Discovery”


- 2 groupes de travail actifs : *Discovery TSG* et *Discovery for Humans*
- Principales problématiques :
 - utilisateur : comment identifier et trouver des contenus disponibles en IIF ?
 - utilisateur : une fois trouvés, comment importer/exporter ces contenus dans/vers l’environnement de mon choix ?
 - institution : comment rendre mes contenus “découvrables”, indexables et utilisables ? (par des utilisateurs, ou par des machines)
 - agrégateur : comment découvrir, moissonner et indexer ces ressources ? comment se maintenir à jour ?

API Change Discovery

- Mécanisme standard pour découvrir/rendre découvrables des ressources IIF :
 - objectif principal : faciliter le moissonnage et l'agrégation de ressources IIF par des clients (pour construire des moteurs de recherche)
 - API basée sur la spécification *W3C Activity Streams 2.0*
 - spécifie comment publier des “activités” telles que *Create*, *Update*, *Delete* portant sur des ressources IIF individuelles

IIIF Discovery in Japan

HOME Search Help Japanese Explanation Applications



IIIF Discovery in Japan

Prototype of Discovery System for IIIF Resources in Japan

e.g. 百鬼夜行図

News

- 2019-01-15
 - 1,148 resources from Okinawa Prefectural Library added.
- 2018-10-01
 - 3,492 resources from Kyushu University Library added.
- 2018-09-25
 - 17,430 resources from University of Tokyo Archives added.

IIIF Discovery in Japan

IIIF Collections - Manuscripts & Rare Books




Search across 460,000 digitized manuscripts and rare books

About

Search for interoperable digitized manuscripts and rare books...

This prototype application allows you to search across IIIF-compliant manuscripts and rare books dated before 1800 coming from many digital libraries in the world. It is a work in progress, the platform will be updated and enriched on a regular basis. [Read more...](#)

Browse collections

 <p>Bibliothèque nationale de France (Gallica)</p> <p>44203 manifests</p> <p>Digitized manuscripts from Gallica, the digital library of the National Library of France (BnF)</p> <p>See collection</p>	 <p>Digital.Bodleian</p> <p>5838 manifests</p> <p>Bodleian Libraries' digital collections (Oxford)</p> <p>See collection</p>	 <p>BVMM</p> <p>3918 manifests</p> <p>Digital library of medieval manuscripts (BnF-CNRS)</p> <p>See collection</p>
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Bibliissima IIIF Collections

Moteurs de recherche IIIF


OCLC ResearchWorks IIIF Explorer

Search for images of people, places, events, and more.

Welcome to the IIIF Explorer

OCLC ResearchWorks has created an index of all of the images in the CONTENTdm digital content management systems hosted by OCLC. The IIIF Explorer offers a way to search across those collections. This prototype is called the "IIIF Explorer" because the CONTENTdm images are associated with documents that use the IIIF (International Image Interoperability Framework) "Presentation Manifest" standard. IIIF Presentation Manifests and related images are presented with a viewer provided by Project Mirador. The IIIF Explorer is an experimental prototype system, available for testing and evaluation. Please note that data in the IIIF Explorer index is not guaranteed to be current with the source CONTENTdm collections, facets for type, audience, creator, etc. are partially representative of the source data based on preliminary metadata analysis and reconciliation, and the user interface is in early stages of development and testing.

Some sample searches



OCLC ResearchWorks IIIF Explorer

API Content State

- Spécifie un format et un protocole pour décrire et partager une ou plusieurs ressources IIF (ou parties de ressources IIF) :
 - comment pointer sur des ressources IIF (ou partie de ressources) et comment les partager entre plusieurs applications ?
 - comment initialiser une vue d'une ou plusieurs ressources IIF indépendamment de l'interface et des fonctionnalités proposées par tel ou tel logiciel.

API Content State

- Initialiser un environnement IIF avec :
 - 1 Manifest IIF
 - 1 Collection IIF
 - 3 Canvas issus de 3 Manifests IIF différents

Ressources et documentation

- iiif.io
- [Youtube](#)
- [Google Drive](#)
- Github : <https://github.com/IIIF>
- Guides pour trouver des ressources IIF : <https://guides.iiif.io>
- “Recettes de cuisine” de IIF : <https://iiif.io/api/cookbook>

Canaux

- Newsletter IIF : iiif.io/newsletter/
- Liste de discussion : iiif-discuss@googlegroups.com
- Slack : <http://bit.ly/iiif-slack>
- Twitter : [@iiif_io](https://twitter.com/iiif_io) #IIF

Plus d'infos sur IIF (en français) :

iiif.biblissima.fr

Pour un accompagnement ciblé : IIF360

iiif360@listes.campus-condorcet.fr



Merci de votre attention !

Régis ROBINEAU
(Biblissima - Campus Condorcet - EPHE-PSL)

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- Meg O'Hearn, Community & Events Coordinator

[Blue and Green Music](#) (Georgia O'Keeffe), © The Art Institute of Chicago