



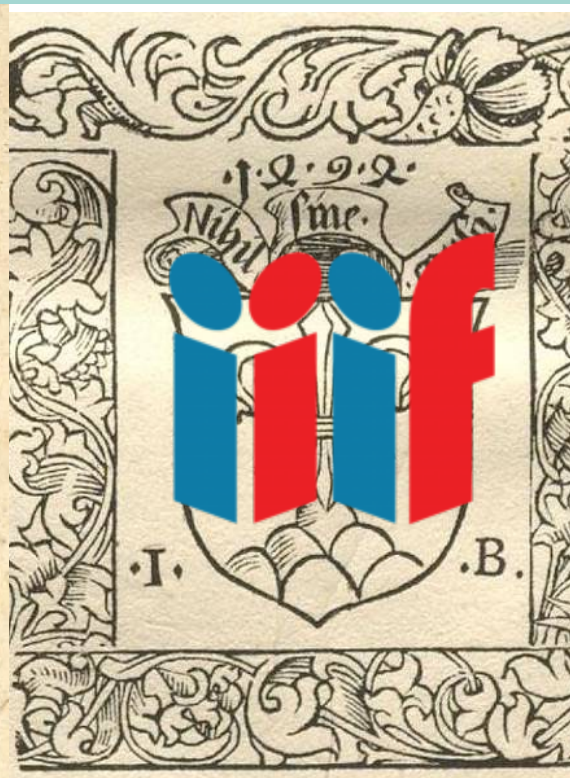
Universität  
Basel

Universitätsbibliothek

# Moving from platforms to interoperable infrastructures?

## Lessons taught by IIF when rebuilding the catalog of Basel Prints

Martin Reisacher, 02.05.2022



# Outline

- 1 Printing in Basel in the 15th/16h century
- 2 A hidden champion: the catalog of Basel prints (Index typographorum basiliensium / ITB)
- 3 IIF as a game changer
- 4 The new catalog of Basel prints
- 5 Lessons taught by IIF



# Why did Basel become a center for publishing in the 15/16th century?

## good conditions

- geographically well situated trading city with capital
- well-developed craft sector
- Basel concile 1431-1449:
  - paper industry
  - written knowledge: greek manuscripts

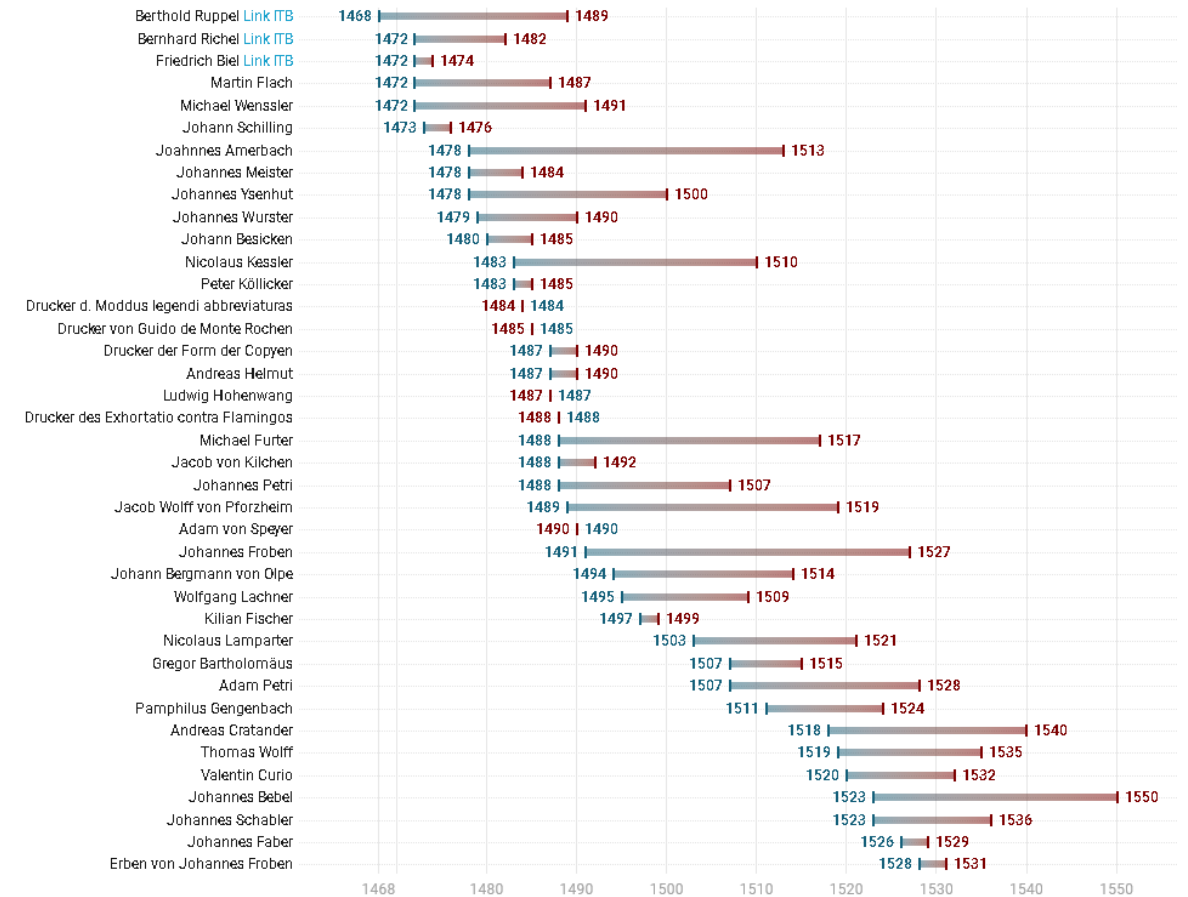
## Self reinforcing factors

- more than mere commerce
- Humanism: attracted scholars
- first Swiss university in Basel (1460): knowledge

## 17th century downfall

- counter reformation and 30 years' war
- plagues

Basler Drucker von 1468 bis 1530



Daten herunterladen · Erstellt mit [Datawrapper](#)

Daten herunterladen Erstellt mit [Datawrapper](#)

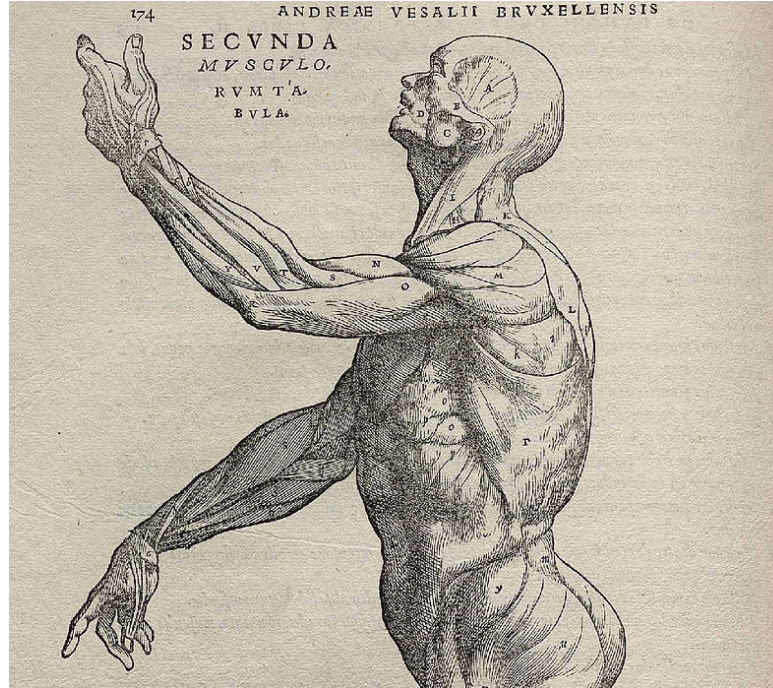
# Basel Prints: a few examples



[Erasmus Wikicommons](#)

## Erasmus / Froben

- 1516: first print of New Testament in Greek
- Erasmus stayed more than a decade



[Vesal Wikicommons](#)

## Andreas Vesalius / Oporinus

- "On the Fabric of the Human Body"
- Prints from Titian's workshop in Venedig
- Transported to Basel



[Narrenschiiff Wikicommons](#)

## Sebastian Brandt / Olpe

- 1494: „Narrenschiiff“: most widely read book in German language before reformation

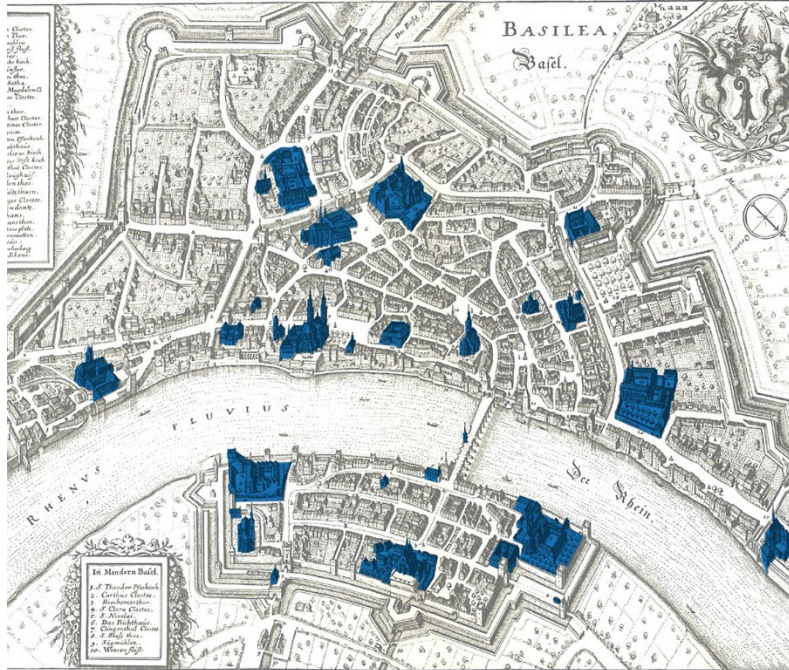
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# “bringing libraries and publishers together” in the 16th century



© Basler Bauten

## Monastery copies

- print copy for lending manuscripts
- dissolution of monasteries 16th century: doubling university library inventory



Bonifacius Amerbach Wikicommons

## „Mandatory“ copies

- 1536: voluntary initiative by Amerbach/ Oporinus that was backed by the generosity of the publishers
- 1556: obligation used for censorship



Wunderkammer Wikicommons

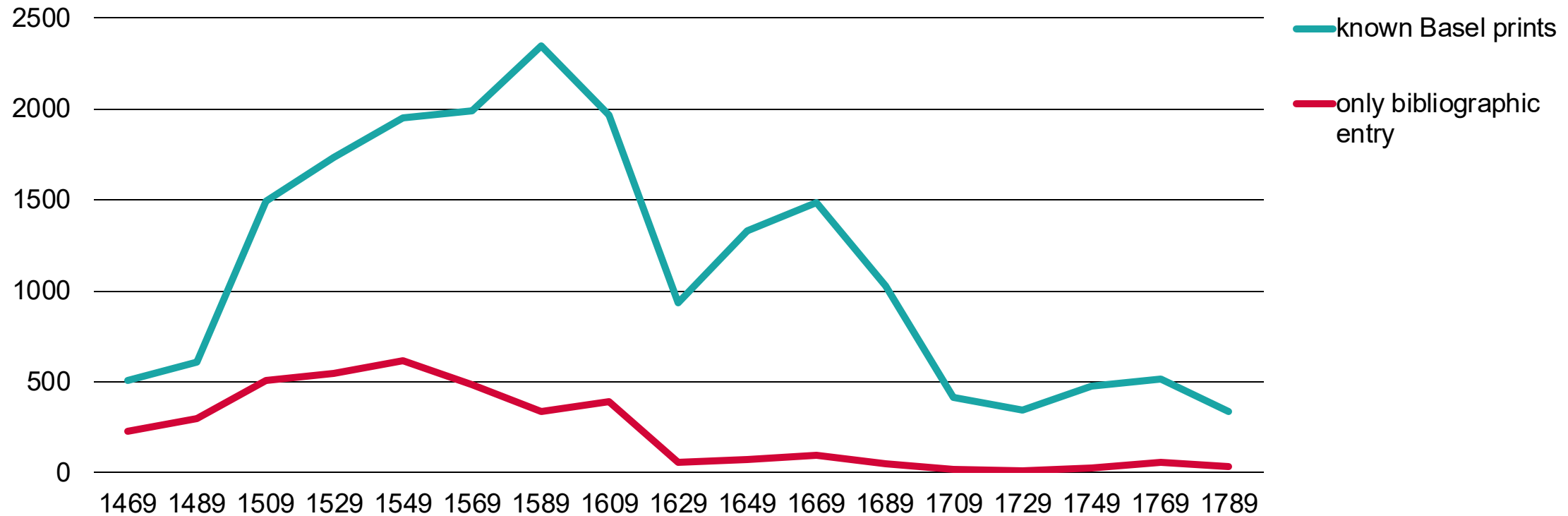
## Acquisitions and donations

- 1661: Amerbach cabinet of curiosities (9.000 books)

# ITB: a quite unique physical collection and bibliographic documentation

nearly 20.000 known prints from Basel

- 4/5 in library
- 1/5 as bibliographic entries





# ITB: three components



INDEX TYPOGRAPHORUM EDITORUMQUE BASILIENSIVM

**Recherche**

- Drucke (chronologisch)
- Offizinen (alphabetisch)
- Offizinen (chronologisch)
- Personen
- Titel (Stichwortsuche)

**Informationen und Tipps**

- Zum ITB
- Suche im ITB
- Literatur - Liste der Standardwerke
- Die Universitätsbuchdrucker
- Dynastien
- Weitere Spezialkataloge
- Kontakt
- Impressum

**Universität Basel**

**Johannes Amerbach (1430?-25.12.1513)**

(Auch: Amorbachius, Welker; Hans von Amerbach, Hans von Venedig)

**Biographie:** Gelehrter u. Buchdrucker dt. Herkunft; richtiger Name: Jof Odenwald (Unterfranken). Vater von Bruno, Basilius I u. Bonifacius Ame (1461 Baccalaureus, 1462 od. 1464 Magister Artium), lebte später länger Venedig) u. ab 1477 (?) in Basel, wo er 1478 (HLS: 1475) seine Drucktät wurde am 5.5.1484 Basler Bürger. Wohnte zunächst beim Aeschentor, ka mit Barbara Ortenberg(?) das Haus zum Kaiserstuhl in der Rheingasse. L und Buchhandelsgemeinschaft mit Johannes Petri und/oder Johannes Fr Pfzheim.) Arbeitete eng mit der Basler Kartause zusammen, die ihm z Gegenleistung jeweils ein Exemplar seiner neusten Drucke erhielt. Die C später seinem Kompagnon Johannes Froben verkaufte. Amerbachs Söh arbeiteten im väterlichen Geschäft (u. lt. Günthart später auch bei Frobe Auch als Buchhändler erfolgreich, mit Kontakten u.a. zu Kollegen in Nürn Grüninger), aber auch zu zahlreichen Gelehrten seiner Zeit.

Anmerkung zum Geburtsjahr: Darüber scheint einige Verwirrung zu herr Laut BBK alt geb. 1430, nach GND jedoch ca. 1441, nach Reske 1443/14 Geburtsjahr.)

**Wirkungszeit:** 1478-1513

**Standort(e) der Offizin:** Haus zum Sessel, Totengässlein 1/3

la (swissbib)03176827X-41slsp\_network  
 la 03176827X I9 ExL  
 la (IDSBB)001617572DSV01  
 la (EXLNZ-41SLSP\_NETWORK)991109962899705501  
 la (41SLSP\_UBS)9916175720105504 I9 (41SLSP\_UBS)9916175720105504  
 la SzZuIDS BS/BE A100 lb ger le kids ld CH-ZuSLS  
 la lat lh heb  
 'la th l2 SzZuIDS BS/BE  
 'la bb l2 SzZuIDS BS/BE  
 lla 020 l2 l5  
 lla [Biblia]  
 la [Basel] lb [Berthold Ruppel] lc [ca. 1468]  
 la 536 Bl. lc 39 cm (2°)  
 lb txt l2 rdacotent  
 lb c l2 rdamedia  
 lb n l2 rdamedia  
 lb cr l2 rdacarrier  
 lb nc l2 rdacarrier  
 la Van der Haegen I: E. Anh. I,1;ISTC ib0053200H 3045\*; IGI 1634; IBP 986; S Solt:esz 612; Voull(B) 343; Ohly-Sack 509; Borm 443; Sallander 2093; Madse Oates 2736; Sheppard 2294; Pr 7445; BMC III 714; BSB-Ink B-412; GW 4207 (- la Fragment: Nur 1 Blatt vorhanden; Textanfang: "... est illud ex Egipto vocav filium meum et quoniam Nazarenum vocabit ..." l5 IDSBB/6.12.2000/bs-ub/ la Ruppel. Berthold ld -1494 l0 (DE-588)129066265 le Drucker l4 prt

Suche in e-rara...

Letzte Trefferliste | Detailsuche

Alle Kollektionen > Alle Titel

54722 Titel

Sortieren nach: Titel | Max. Trefferanzahl: 10 | Reihenfolge: aufsteigend | Blättern: 1 - 10

1 : <Aristotelous tou Stageinitou Ta Sôzomena>. Operum Aristotelis stagiritae Philosophorum omnium longè principis nova editio, graecè et latine. Tomus [...]  
 Aristote ; Pacius, Julius  
 [Genève] : Guillaume de Laimarie, 1597

1 : <Ploutarchou Chairôneôs, Ta sôzomena synggrammata>. Plutarchi Chaeronensis Quae extant opera, cum latina interpretatione. Ex vetustis codicibus plurima [...]  
 Plutarque ; Estienne, Henri ; Xyländer, Wilhelm ; Erasmus, Desiderius ; Kirchmeyer, Thomas ; Budé, Guillaume ; Turnèbe, Adrien ; Longueil, Gilbert de ; Poliziano, Angelo ; Nachtigall, Ottmar ; Pirckheimer, Willibald ; Barbato, Angelo ; Breton, Robert ; Sagundino, Niccolo ; Grynaeus, Simon ; Hagenbut, Johann ; Le Ferron, Arnoul ; De Jonge, Adrian ; Valgulio, Carlo  
 [Genève] : Henri II Estienne, 1572

1 : <Thésaurus tês hellênikês glôssês>. Thesaurus graecae linguae, ab Henrico Stephano constructus. In quo praeter alia plurima quae primus praestitit, [...]  
 Estienne, Henri ; Paulus Aegineta ; Ammonius ; Antimaco, Marco Antonio ; Bèze, Théodore de « V., Th. B. » ; Corinthus ; Forteguerr, Scipione ; Gallien, Claude ; Heresbach, Conrad ; Hérodien ; Philopon, Jean ; Nicandre ; Orbicius ; Plutarque  
 [Genève] : Henri II Estienne [ & les héritiers de Laurent de Normandie], 1572

1 : A short introduction of grammar generale to be used. Compiled and set forth for the bringyng up of all those that intend to attaine the knowledge [...]  
 [Lily, William]  
 [Genève] : [Conrad Badius]. 1557

**Autoren**

- Lips, Jo
- Schelle Rudolf
- Gaßner
- Keller, I
- Herrlib

**Dokume**

- Buch
- Illustrie
- Karte
- Musikdr
- Zeitsch

**Zeitrau**

- 101-200
- 501-600
- 1401-1500
- 1501-1600
- 1601-1700
- 1701-1800
- 1801-1900
- 1901-2001
- 2001-2

**Sprache**

- Deutsch
- Latin
- Franzö
- Italieni

## Biographic information

- about 250 printers
- Extracting printing devices from prints

## High quality metadata

- identifiers to international old print databases
- bibliographic records for missing prints

## Digitization of prints

- systematic high quality inhouse digitization
- special focus on prints from Basel
- No own repository



# Swiss digitization platform landscape



Tschubby, [Karte Schweiz](#), Logos hinzugefügt, [CCBY-SA 3.0](#)



## Platform for digitized rare books

- 2023: 26 institutions
- part of e-lib.ch (2010)
- Focus on joint digitization with high quality standards and persistence
- But no focus on specific collections
- Digitization silo

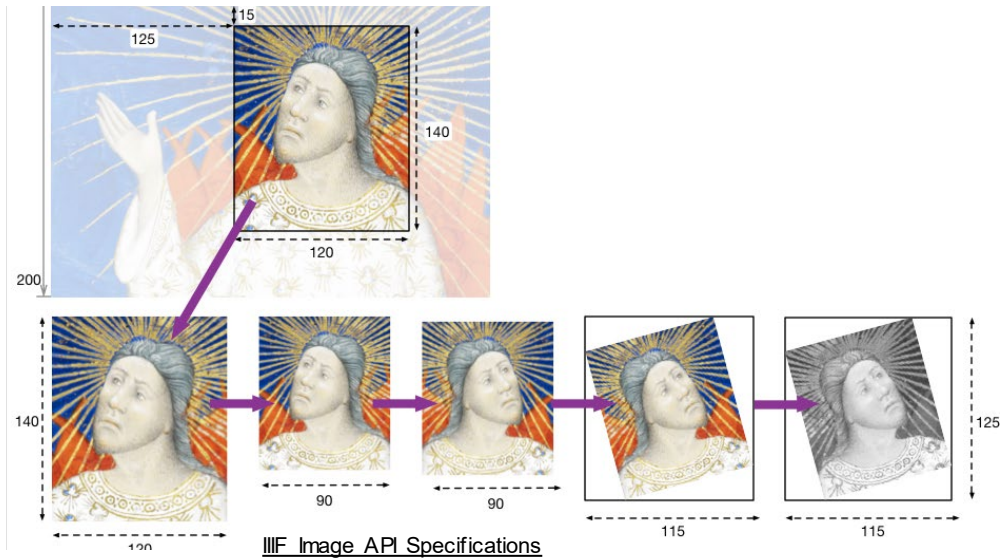
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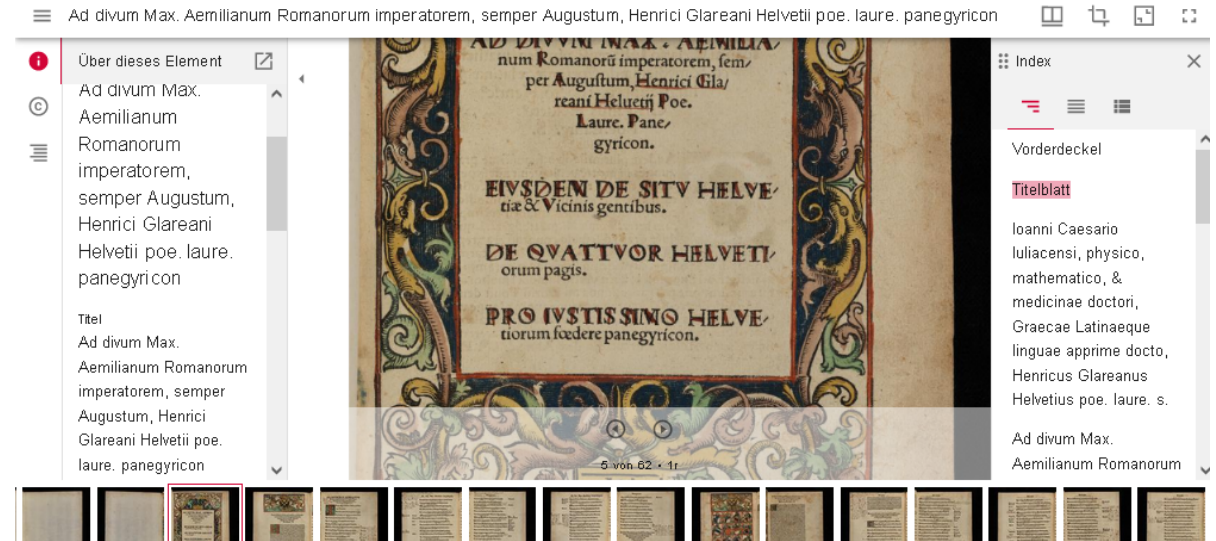


# IIIF: International Image Interoperability Framework



## Image API:

- Regions (for tiling / deep zoom)
- different sizes
- formats



## Presentation-API

- Image
- Metadata
- Structure, ...
- → for standardized reuse (Viewers)

# From portal to infrastructure?



## 2019 e-rara implemented IIF

- not a breaking change: portal looked the same
- but big impact: e-rara became interoperable infrastructure around which we were able to think our projects
- before we were only able to link, now we can easily integrate digitized items for highlighting special collections
- we don't have to care about infrastructure (persistence, dois) but can focus on how to reuse content

## IIF is a standard focusing on implementation

- implementations are as important as the standard
- not only reuse infrastructure but also applications (viewers, plugins, ...)
- “sitting on the shoulders of library giants”



# IIIF – a worldwide standard



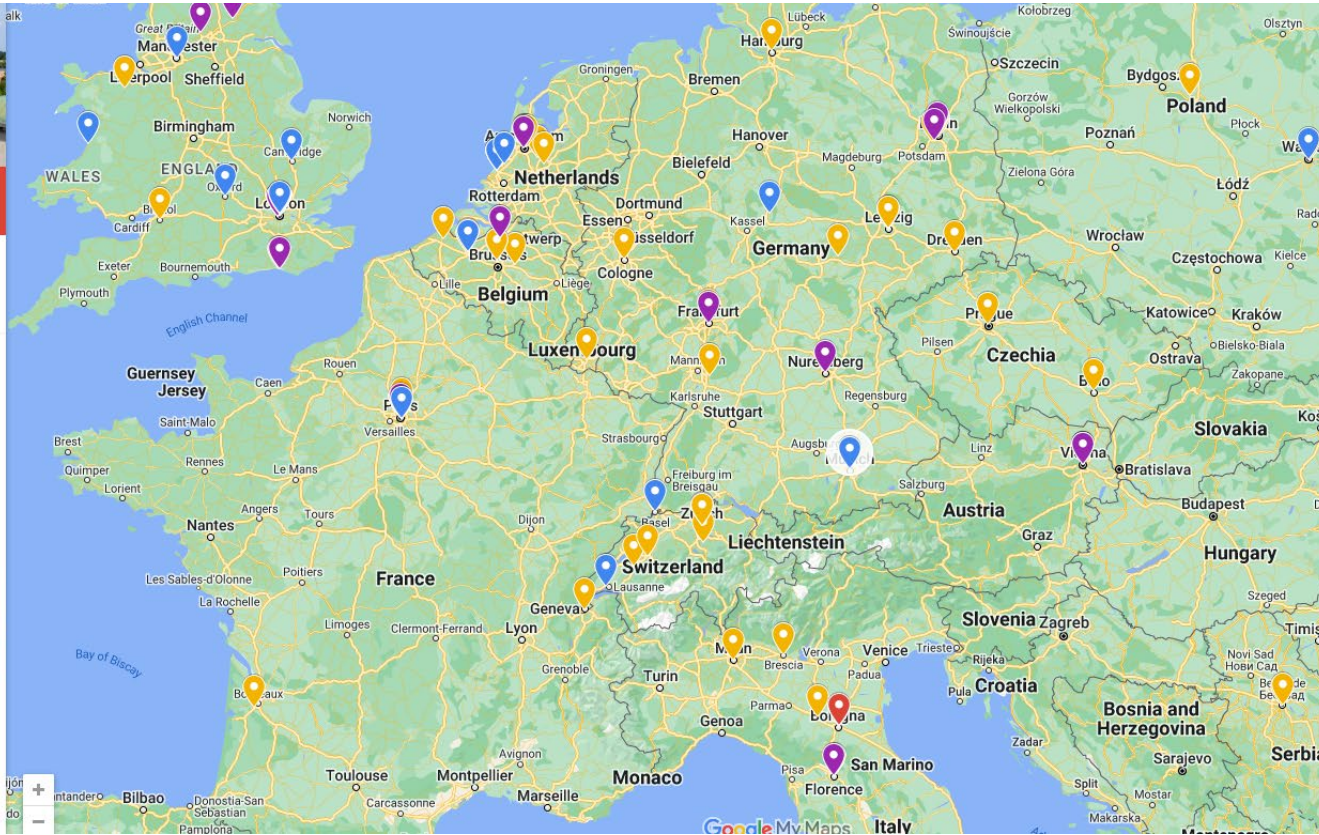
name  
Bavarian state library

Details from Google Maps

Ludwigstraße 16, 80539 München, Germany  
+49 89 286382322  
[www.bsb-muenchen.de](http://www.bsb-muenchen.de)

4.0 ★★★★★

[View in Google Maps](#)

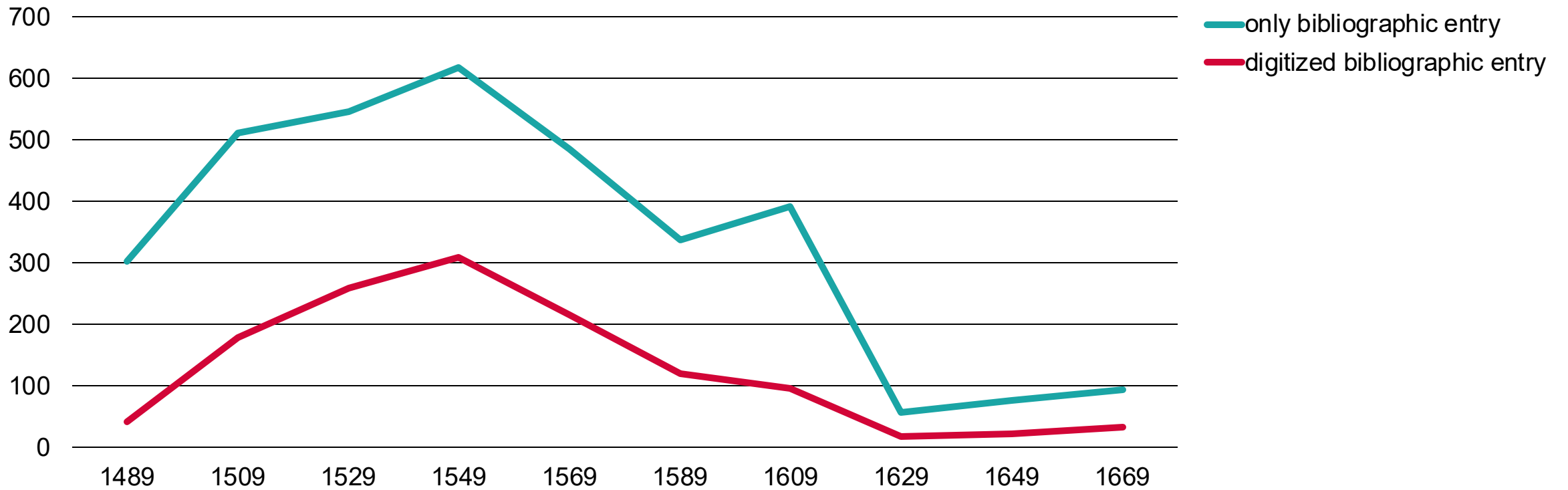


Access to huge digitized collections

[Community Map IIIF](#)

# Unlocking the power of IIF (1)

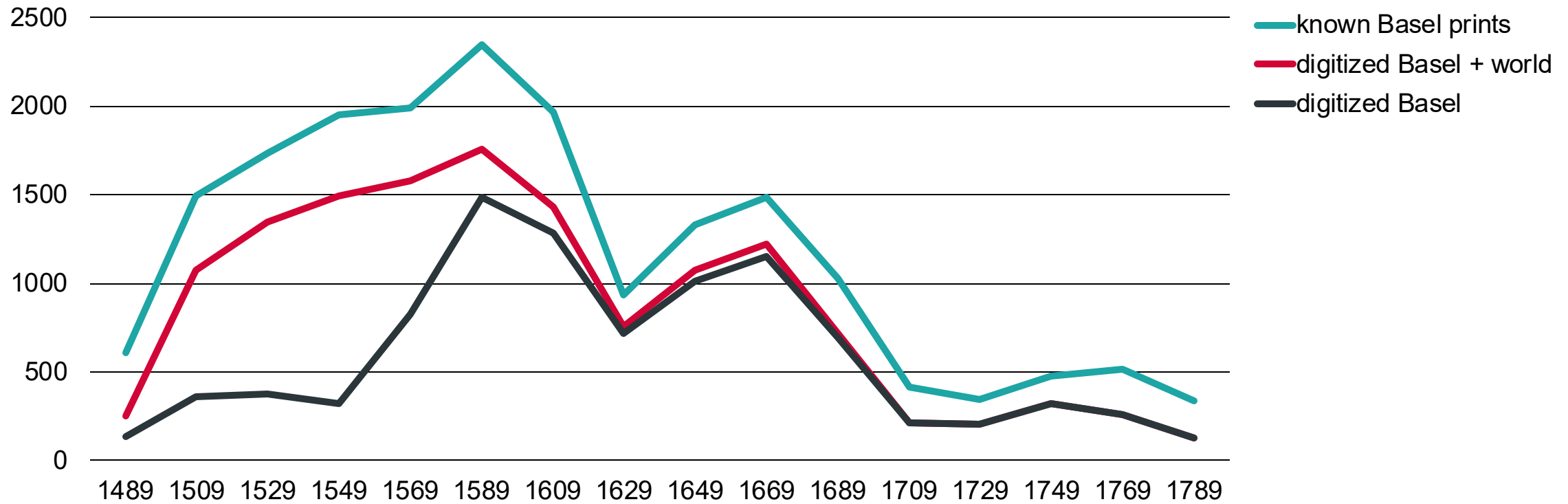
virtually recreate the collection of Basel prints by adding digital copies to the bibliographic entries



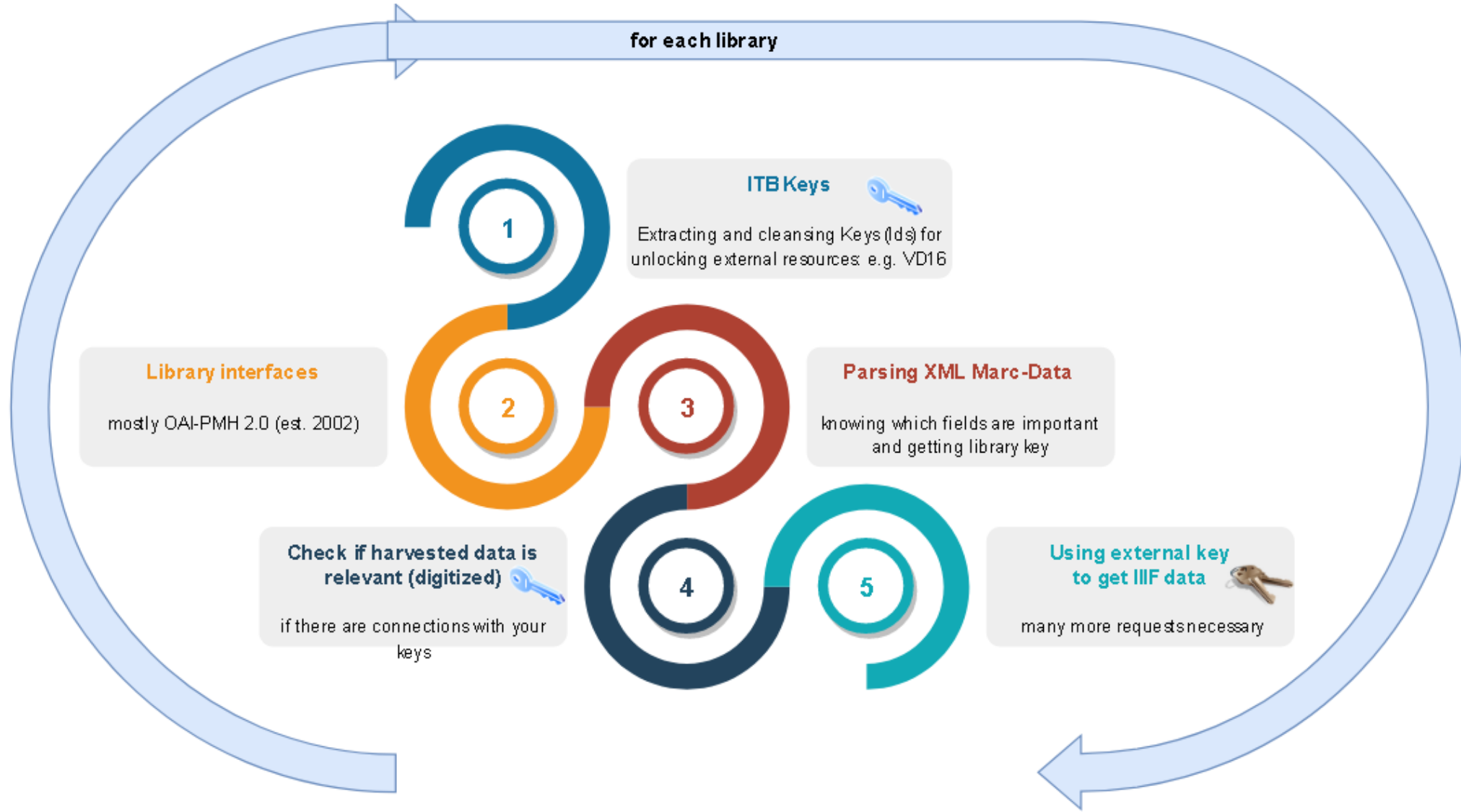


# Unlocking the power of IIF (2)

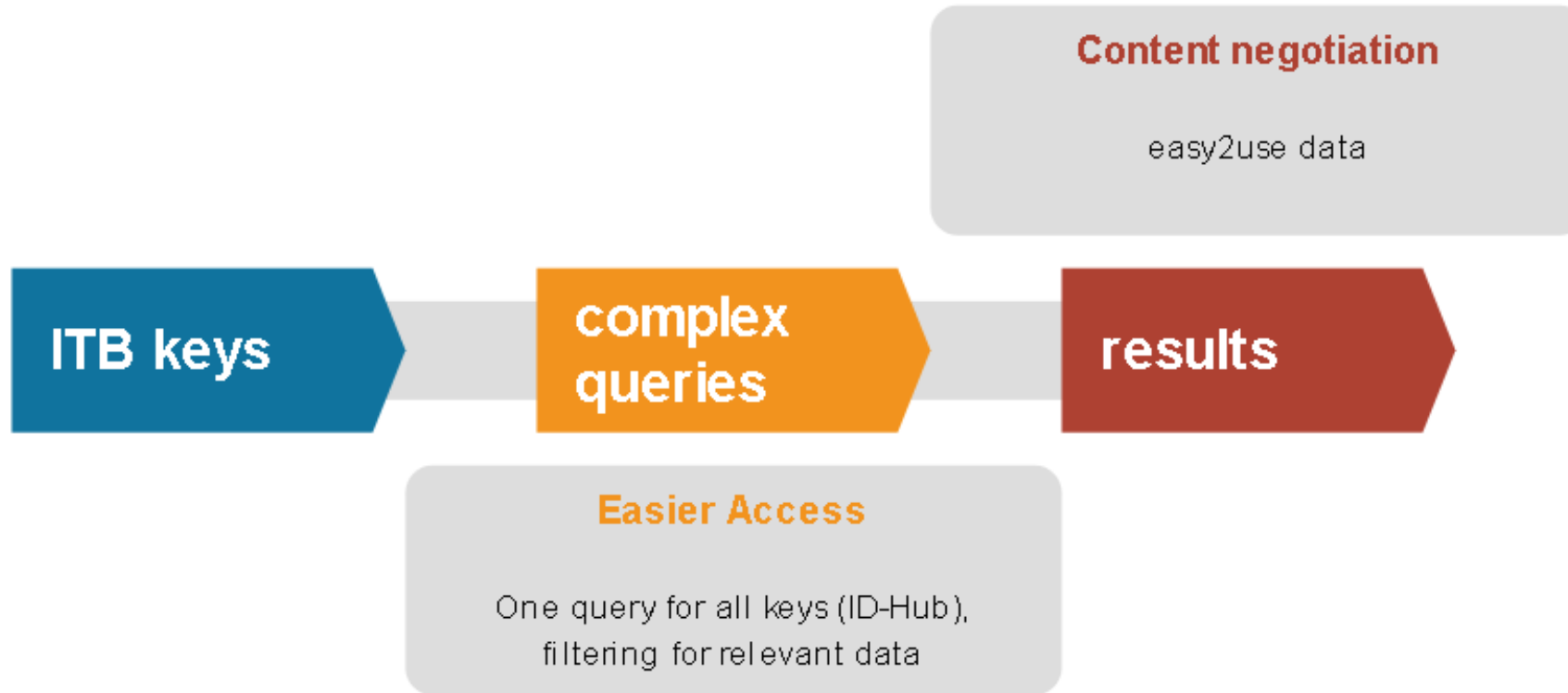
Nearly 40% more digitized objects (4.500 objects)  
Copies from this period differ from each other (cover)



# A winding path: Interoperability hidden in metadata silos



# What it should be like





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-



Sammlungen

Historische Bestände

Index typographorum editorumque Basiliensium

ITB Recherche

## Einfache Suche

Für Suche tippen ...

SUCHEN

## 27226 Treffer

Druckjahr (aufsteigend)



1

2

3

4

5

Typ: Drucke ×

- Typ

- Drucke (27226)
- Drucke aus unbekanntem Verlag (2084)
- Druckerei / Verlag (254)

^ Druckerei / Verlag

+ Name

v Drucke



Drucke

[Biblia]

**Druckjahr:** 1468**Druckerei/Verlag:** Ruppel, Berthold

Drucke

Postilla super quattuor Evangelistas

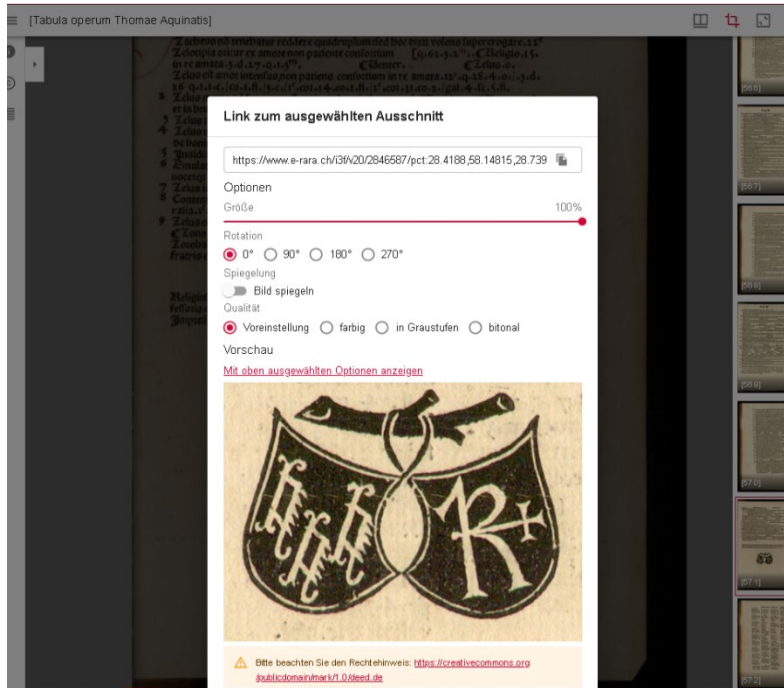
**Druckjahr:** 1468**Druckerei/Verlag:** Ruppel, Berthold

Drucke

[... Praeceptorium divinae legis fratris Iohannis Nyder ...]

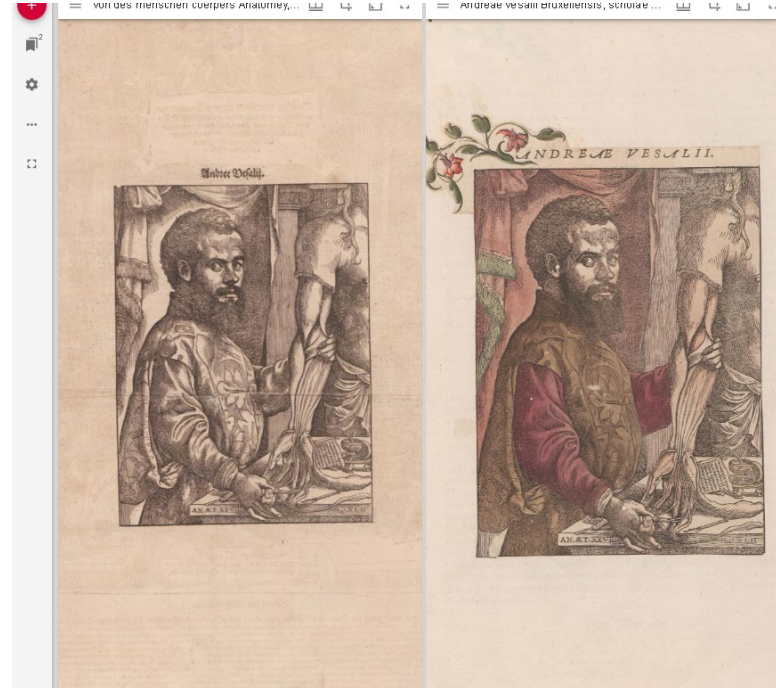
**Druckjahr:** 1472**Druckerei/Verlag:** Ruppel, Berthold

# IIIF: Opening up new possibilities for research and digital storytelling



## Referencing parts of images

- Cropping plugin for Mirador Viewer (BSB)



## Comparing copies and editions

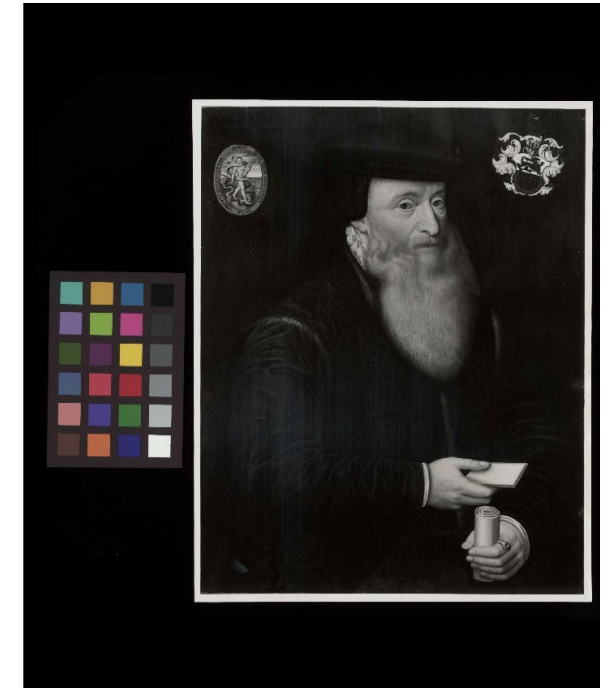
- Mirador functionalities

## Johannes Oporinus (1507-1568)

Leben und Drucke

Martin Reilsacher

🔍 Duplicate



## Mix & Merge for storytelling

- exhibit.so from mnemoscene.io



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# Lessons taught by IIF

Interoperability: connected without having the data provider knowing that you are connected

offers great possibilities but it comes with big responsibilities for infrastructure regarding persistence and availability

Easy2use standard: one (manifest-)link is enough

No breaking new standards but it started with building bridges

IIF does not only focus on standard, but on what you see: applications are the best form of validation

Opening up our data in a similar way through better interfaces: making our metadata easier accessible for building new collections

**So we can contribute to an ecosystem built around interoperability and openness that connects our collections (images, metadata, fulltext, ...) with the ease of how IIF implemented it for images**



Universität  
Basel

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# Thank you for your attention

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OpenScience / IT / HiSa

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**Index typographorum basiliensium**

<https://ub-itb.ub.unibas.ch>

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