

# IIF - Perspektiven für digitale Bilder

**Ursula Loosli, UB Bern (Fachreferat für Digital Humanities & Forschungsdatenmanagement)**

06.12.2022, Coffee Lecture Unitobler interdisziplinär



### 87.DA.2 Four Armchairs about 1730-1740

Unknown artist/maker  
On view at Getty Center, Museum East Pavilion, Gallery E103  
[View full record details](#)



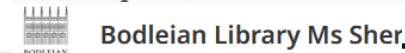
Probably used as much for display as for actual seating, these richly carved and gilded armchairs would have been arranged against the walls of a reception room in a Venetian palace in the 1700s. With their combination of exuberant and delicate forms, these chairs are characteristic of the mid-eighteenth-century transition from a heavier, Baroque furniture style toward the more graceful and voluptuous form of the Rococo.

Although their maker is unknown, the armchairs show strong stylistic similarities to furniture attributed to the sculptor Antonio Corradini. He is best known for his carvings on the last Venetian state barge; by studying fragments of this ceremonial ship, scholars have been able to attribute to this artist a number of side chairs, consoles, tables, and a throne. The Getty Museum's chairs, with their scrolls, garlands, and leafy motifs, share their lavish carving and elegant proportions with other works by Corradini.



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Presentation/study (6)

Large Image (2035 x

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IIIF Manifest

Whole plate Image 1 of 1

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- View in Universal Viewer
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Universitätsbibliothek Bern, MUE DBHal : KI.77

Bodleian Library Ms. Sherard 238 Pl. 8

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- View in Universal Viewer
- View IIIF manifest

Whole plate Image 1 of 1

About



## Sciurus vulgaris

### Shelfmark:

Bodleian Library Ms Sherard 238 Pl. 8

### Holding Institution:

Bodleian Libraries, University of Oxford

### Date Statement:

1787-1794

### Description:

Drawing - water-coloured - of Sciurus vulgaris L. (Common squirrel); signed by Bauer

Probably only a red variety of our common squirrel

### Artist:

Bauer, Ferdinand, 1760-1826

### Subject:

Zoology--Greece  
Eurasian red squirrel

### Extent:

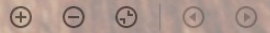
487 x 295 (drawing) mm  
530 x 365 (bound volume) mm

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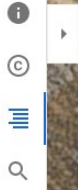


Bodleian Library Ms Sherard 238 Pl. 8



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Naturgeschichte und Abbildungen der Säugethiere



# Worum geht es?

- Warum IIF?
- Was ist IIF?
- Wie geht das?
- Was braucht es?
- Angebot der UB



# Was ist IIF?

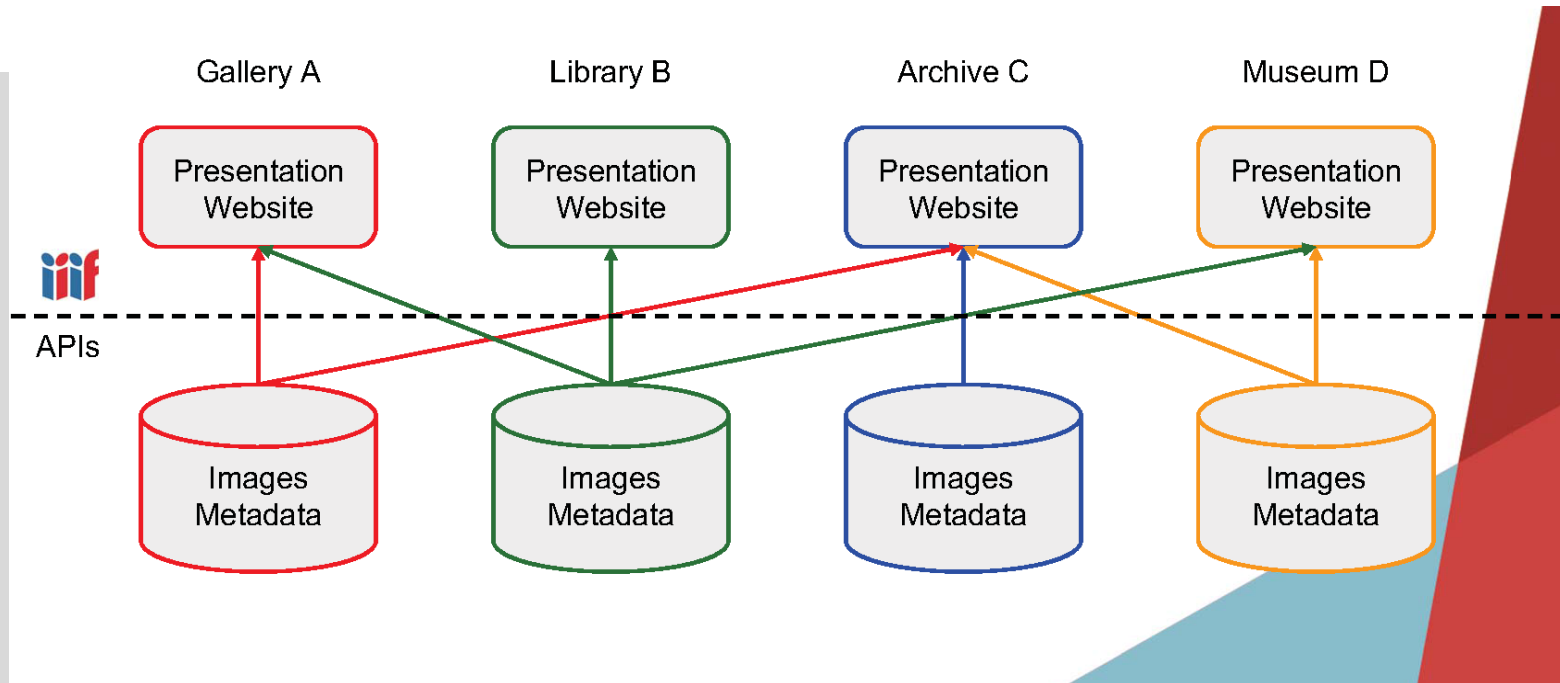
## International Image Interoperability Framework (IIF)

*“IIF is a globally-adopted **open source standardized model** for delivering many types of image-based resources on the web in many different formats so that audiences can interact with them...*

*...it is also an **open, global community** of software developers, librarians, researchers, educators, museums, universities, creative agencies, and more that work together to **develop open APIs, implement them in software, and expose images and A/V files.**”*

# Was ist IIF?







## IIF (Interoperable)





# Was ist IIIF?

## IIIF (Framework)


 <b>Image API</b> Retrieves images from anywhere in the world and allows the user to select an area of the image and to resize, rotate, and edit the quality. <a href="#">View docs &gt;</a> Stable 3.0	 <b>Presentation API</b> Packages each image with its metadata so users know the origin, title of the image, and even what page of a book the image was from. <a href="#">View docs &gt;</a> Stable 3.0	 <b>Authentication API</b> Control and restrict access by creating a link to a user interface for logging in and services that provide credentials. <a href="#">View docs &gt;</a> Stable 1.0
 <b>Content Search API</b> Perform search for text within or annotations related to digital objects. <a href="#">View docs &gt;</a> Stable 1.0	 <b>Change Discovery API</b> Harvest any changes published by organizations that deliver digital objects. <a href="#">View docs &gt;</a> Stable 1.0	 <b>Content State API</b> Generate a very specific link to a particular view of an object, like a specific area on a particular page rotated at a certain angle. <a href="#">View docs &gt;</a> Stable 1.0

### Basis-Schnittstellen:

- **Image-API**  
(für die Pixel)
- **Presentation-API**  
(für Struktur + Metadaten)

# Wie geht das?

## IIIF Image API



### Image API

Retrieves images from anywhere in the world and allows the user to select an area of the image and to resize, rotate, and edit the quality.

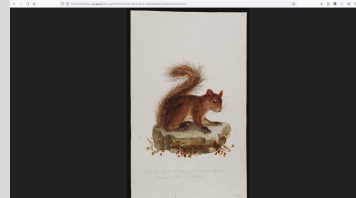
[View docs >](#) Stable 3.0

Request:

`https://iiif.bodleian.ox.ac.uk/iiif/image/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2/full/800,/0/default.jpg`

Scheme	://	Server	/	Prefix	/	Identifier	/
<input type="text" value="https"/>		<input type="text" value="iiif.bodleian.ox.ac.uk"/>		<input type="text" value="iiif/image"/>		<input type="text" value="c9-96e2-5fba5f4f64d2"/>	
Region	/	Size	/	Rotation	/	Quality	. Format
<input type="text" value="full"/>		<input type="text" value="pct:10"/>		<input type="text" value="0"/>		<input type="text" value="default"/>	<input type="text" value="jpg"/>

Response:







*Reddish-brown squirrel  
Linnæus, Fauna Svecica, Plate 10, Fig. 1.*







## Bodleian Library Ms Sherard 238 Pl. 8

iif and other viewers ▾



Whole plate



Image 1 of 1



About



*Probably only a red variety of our common squirrel  
Sciurus vulgaris L.*

## Sciurus vulgaris

## Shelfmark:

Bodleian Library Ms Sherard 238 Pl. 8

## Holding Institution:

Bodleian Libraries, University of Oxford

## Date Statement:

1787-1794

## Description:

Drawing - water-coloured - of Sciurus vulgaris L. (Common squirrel); signed by Bauer

Probably only a red variety of our common squirrel

## Artist:

Bauer, Ferdinand, 1760-1826

## Subject:

Zoology--Greece  
Eurasian red squirrel

## Extent:

487 x 295 (drawing) mm  
530 x 365 (bound volume) mm



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# Wie geht das?

## IIF Presentation API



### Presentation API

Packages each image with its metadata so users know the origin, title of the image, and even what page of a book the image was from.

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# Image API

About

### Sciurus vulgaris

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Bodleian Library Ms Sherard 238 Pl. 8

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Bodleian Libraries, University of Oxford

**Description:**  
Drawing - water-coloured - of Sciurus vulgaris L. (Common squirrel); signed by Bauer, Ferdinand, 1787-1824. Probably only a field variety of our common squirrel.

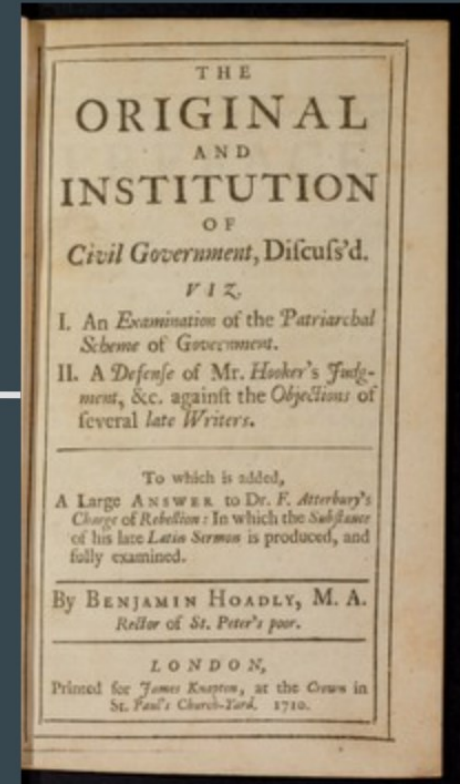
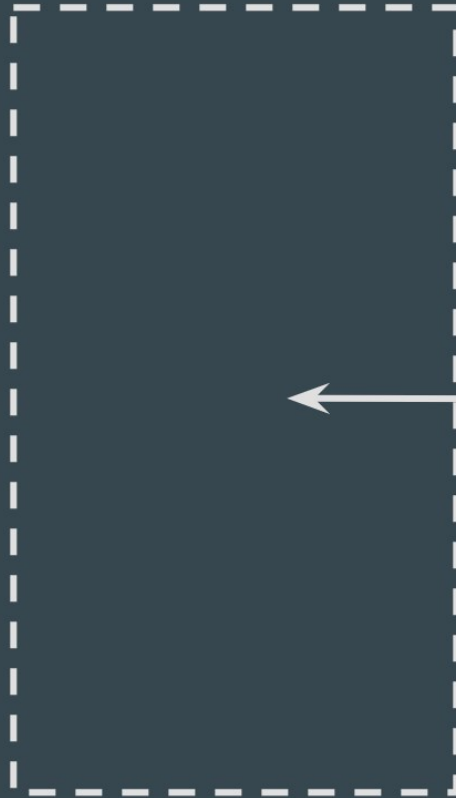
**Artist:**  
Bauer, Ferdinand, 1787-1824

**Subject:**  
Zoology--Squirrels  
Eurasian red squirrel

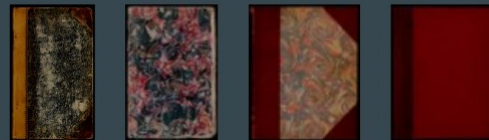
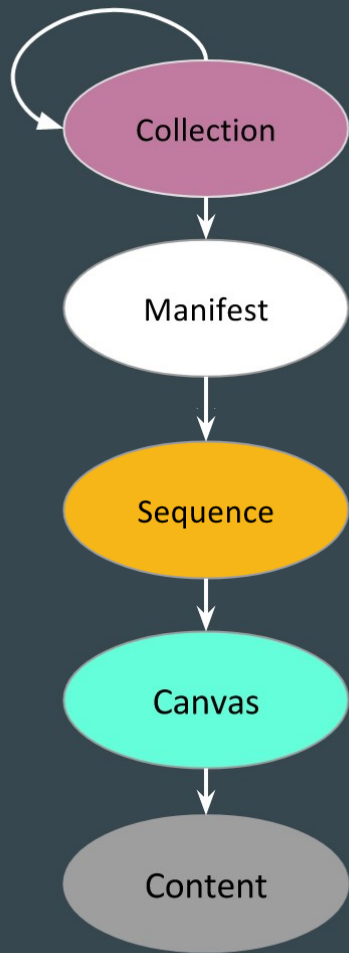
**Extent:**  
487 x 295 (drawing) mm  
530 x 365 (bound volume) mm

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Idee des Canvas als Koordinatenraum & SharedCanvas






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Whole plate Image 1 of 1



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487 x 295 (drawing) mm  
530 x 365 (bound volume) mm

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```
← → ↻ 🏠 https://iiif.bodleian.ox.ac.uk/iiif/manifest/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2.json 🔍 📄 📄 📄 📄 📄 📄 📄 📄 📄 📄
```

```
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  thumbnail: {
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      profile: http://iiif.io/api/image/2/level1.json,
      "@id": https://iiif.bodleian.ox.ac.uk/iiif/image/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2
    }
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          height: 11174,
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                  "@context": http://iiif.io/api/image/2/context.json,
                  profile: http://iiif.io/api/image/2/level1.json
                }
              }
            }
          ]
        }
      ]
    }
  ]
}
```

IIIF-Manifest (json-Datei): <https://iiif.bodleian.ox.ac.uk/iiif/manifest/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2.json>

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```
"@id": https://iiif.bodleian.ox.ac.uk/iiif/manifest/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2.json,
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label: "Bodleian Library Ms Sherard 238 Pl. 8",
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sequences: [
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```
    label: "Default",
```

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    canvases: [
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      {
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```

```
        height: 11174,
```

```
        images: [
```

```
          {
```

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            "@type": "oa:Annotation",
```

```
            motivation: "sc:painting",
```

```
            on: https://iiif.bodleian.ox.ac.uk/iiif/canvas/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2\_c,
```

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```

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```
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```
              width: 7056,
```

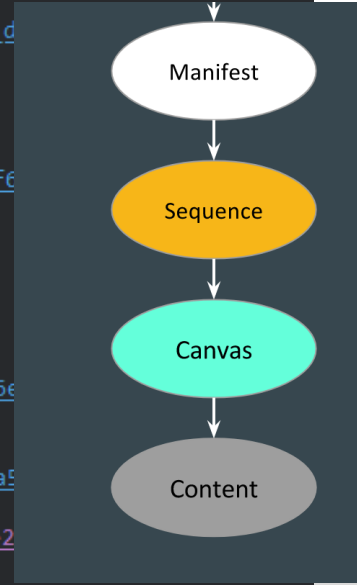
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```

```
                "@context": http://iiif.io/api/image/2/context.json,
```

```
                profile: http://iiif.io/api/image/2/level1.json
```






## Bodleian Library Ms Sherard 238 Pl. 8

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- View in Mirador for advanced features
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Whole plate Image 1 of 1



*Probably only a red variety of our common squirrel  
Sciurus vulgaris L.*

About

### Sciurus vulgaris

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Bauer, Ferdinand, 1760-1826

**Subject:**  
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Eurasian red squirrel

**Extent:**  
487 x 295 (drawing) mm  
530 x 365 (bound volume) mm

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Title

Sciurus vulgaris

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Subject

TAT



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 View IIF manifest



Whole plate



Image 1 of 1



About



*Probably only a red variety of our common squirrel  
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*Probably only a old variety of our common squirrel  
Sciurus vulgaris of Linnaeus*





Bodleian Library Ms Sherard 238 Pl. 8

1 item



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ZB

**Titelaufnahme**

TITEL  
Naturgeschichte und Abbildungen der Säugethiere : nach den neuesten Systemen zum gemeinnützigen Gebrauche entworfen, und mit Berücksichtigung für den Unterricht der Jugend

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Resource location  
<https://www.e-rara.ch/iiif/v20/8939685/manifest>

CANCEL ADD

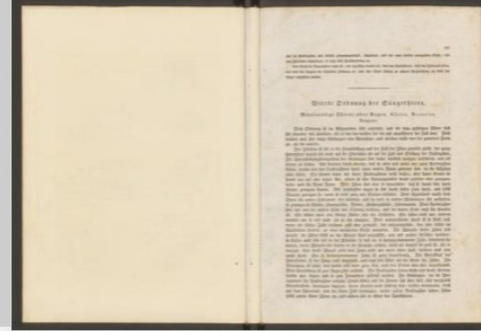
The URL of a IIIF resource



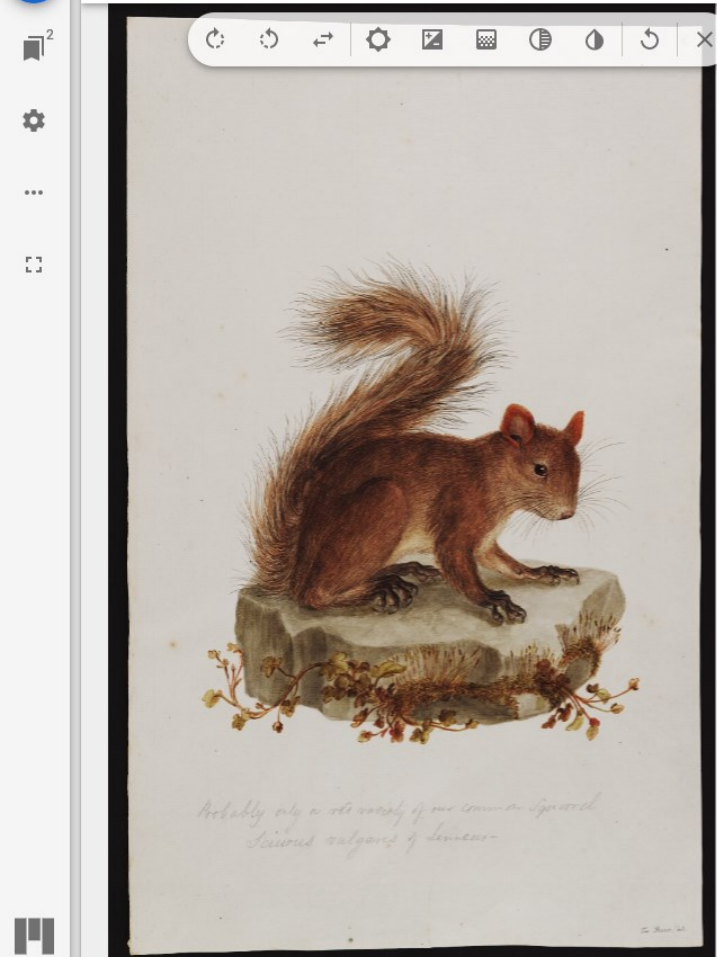


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- Des Thierreichs erster Band.
- [Des Thierreichs zweyter Band.]**
  - Vorderdeckel
  - [Fortsetzung. Dritte Ordnung der Säugethiere. Fünfte Familie der Raubthiere.]**
  - Beutelhthiere.**
  - Marsupialia.**
  - Vierte Ordnung der Säugethiere.**
  - Mäuseartige Thiere oder Nager. Glires.**
  - Rosores.**
  - Fünfte Ordnung der Säugethiere. Zahnlose. Edentata.
  - Sechste Ordnung der Säugethiere. Monotremen. Monotremata.
  - Siebente Ordnung der



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*Probably only a red variety of our common squirrel  
Sciurus vulgaris of Linnæus*

Whole plate

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- [Des Thierreichs zweyter Band.]**
  - Vorderdeckel
  - [Fortsetzung. Dritte Ordnung der Säugethiere. Fünfte Familie der Raubthiere.] Beutelthiere. Marsupialia.
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  - Siebente Ordnung der

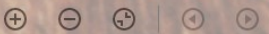




Bodleian Library Ms Sherard 238 Pl. 8



Whole plate



Naturgeschichte und Abbildungen der Säugethiere



# Was braucht es als Nutzende?

## Viewer + Link zu IIIF-Manifest

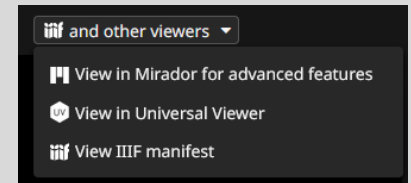
- Viewer

Open Source-Software auf GitHub oder Online-Versionen

(z.B. *Mirador und Universal Viewer*, OpenSeadragon, Leaflet, Tify...)

- Link zum IIIF-Manifest

IIIF-Sybole bei digitalen Sammlungen wie e-rara.ch, e-codices.ch, e-manuscripta.ch, usw.



# Wie werden Materialien IIIF-kompatibel?

## IIIF-Server

IIIF-Image-Server:

Open Source Lösungen, siehe

<https://iiif.io/get-started/image-servers/>

**IIIF as a service:** IIIF-Serverinfrastruktur  
als Dienstleistung der UB nutzen

Gemeinsam aufgebaut von DH, hallerNet  
und UB IT

Infos auf [Webseite](#) (IIIF-Bilderserver)

Kontakt: [openscience@unibe.ch](mailto:openscience@unibe.ch)

# Vielen Dank!

Fragen?

Hinweis: Im FS23 wird vertiefender  
Workshop zu IIF stattfinden (4.4.2023)



# IIIF – Perspektiven für digitale Bilder

Weitere Informationen auf der IIIF-Website <https://iiif.io>  
Zum Einstieg empfohlen: die [Video Tutorials](#) der UB Zürich

Gezeigte Beispiele:

Oxford, Bodleian Library Ms Sherard 238 Pl. 8: <https://digital.bodleian.ox.ac.uk/objects/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2/>  
IIIF-Manifest <https://iiif.bodleian.ox.ac.uk/iiif/manifest/0f5f83ad-0635-49c9-96e2-5fba5f4f64d2.json>

Schinz, Heinrich Rudolf: Naturgeschichte und Abbildungen der Säugethiere : nach den neuesten Systemen zum gemeinnützigen Gebrauche entworfen, und mit Berücksichtigung für den Unterricht der Jugend bearbeitet. Zürich : in Brodtmanns lithographischer Kunstanstalt, 1824. Zentralbibliothek Zürich, NS 13 I F, <https://doi.org/10.3931/e-rara-28066> / Public Domain Mark  
IIIF-Manifest <https://www.e-rara.ch/i3f/v20/8939685/manifest>

Mirador-Viewer: <https://projectmirador.org>