



Reusing the album amicorum Jacob Heyblocq

This section is about **reusing AAJH content** (data & images, see [project page](#)) that is stored in the Wikimedia infrastructure (= Wikidata + Wikimedia Commons + Wikipedia) in other (non-Wiki) sites, platforms, scripts, code, software etc.

Image gallery of album contributors

Olaf Janssen, May 2021

>> [See the corresponding page on Dutch Wikipedia](#) for additional context & explanations (in Dutch).

Dozens of people (see the bottom of that page, at *Index op auteursnamen*) contributed to the 17th century [album amicorum of Jacob Heyblocq](#). We would like to make a photo gallery/facebook (Dutch: *smoelenboek*) of these persons, as far as images of those persons are known (on Commons).

We can do this in multiple ways:

1) HTML facebook based on the Wikimedia Commons API

Using its REST API, we want to mimick (parts of) the [Category:Contributors to the album amicorum Jacobus Heyblocq](#) on Wikimedia Commons. This category looks like this (d.d. 8-12-2020)

Media in categorie "Contributors to the album amicorum Jacobus Heybloeq"

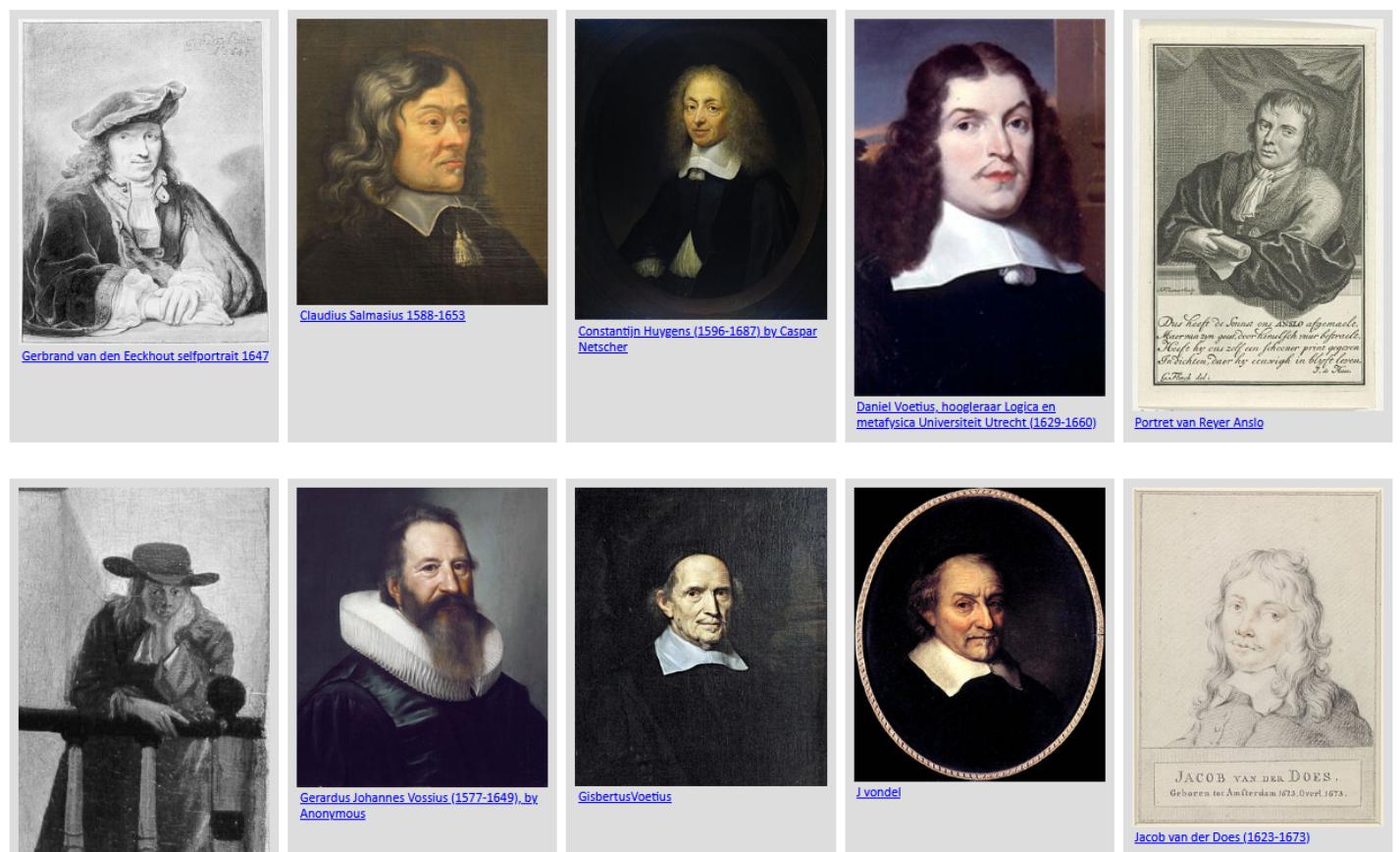
Deze categorie bevat de volgende 52 bestanden, van in totaal 52.

							
Gerbrand van den Eeckhout selfportrait 1647.jpg 600 × 777; 332 kB	Abdias Widmar (cropped).jpg 760 × 1.295; 334 kB	Antonius Aemilius.jpg 2.250 × 3.375; 3,55 MB	Arnoldus Senguerdus.jpg 2.250 × 3.375; 3,53 MB	B283 Rembrandt.jpg 3.864 × 4.542; 4,7 MB	Claudius Salmasius 1588-1653.jpg 1.260 × 1.434; 164 kB	Constantijn Huygens (1596-1687) by Caspar Netscher.jpg 2.806 × 3.356; 992 kB	Cornelis Boey (1611-1665), advocaat-fiscaal van het Hof van Holland wordt gelauwerd.png 84 × 97; 18 kB
							
Daniel Heinsius - Imagines philologorum.jpg 443 × 528; 59 kB	Dirk Graswinckel.jpg 573 × 845; 189 kB	Govaert Flinck Self Portrait.jpg 836 × 1.067; 92 kB	Portret van Reyer Anslo.jpg 3.246 × 5.068; 3,65 MB	Focquenbroch.jpg 233 × 559; 27 kB	Friedrich Spanheim.jpg 1.000 × 1.310; 359 kB	Gerard Brandt.JPG 400 × 480; 26 kB	Gerardus Johannes Vossius (1577-1649), by Anonymous.jpg 1.700 × 2.027; 1,98 MB
							
Gerbrand van den Eeckhout - Jan van de Capelle (1624-25-1679) ^ - SA 40424 - Amsterdam Museum.jpg 443 × 528; 59 kB	Gisbertus Voetius.jpg 804 × 953; 320 kB	Hendrik Bruno (1617-64). Dichter en corrector van de Latijnse school te Hoorn, SK-A-4585.jpg 3.000 × 3.834; 2,51 MB	Image of Willem Schellinks cropped from Lambert Doomer 001.jpg 96 × 102; 4 kB	J vondel.jpg 806 × 943; 127 kB	Jacob van der Does (1623-1673).jpg 4.694 × 6.344; 3,13 MB	Jacob Westerbaen.jpg 413 × 586; 40 kB	Jacobus Heiblocq (1623-1690), by W Vaillant.jpg 2.323 × 3.079; 4,37 MB

From the [JSON response of the API](#) and using this [Python script](#) we can generate a [basic HTML image gallery/smoelenboek of contributors](#). The resulting HTML page looks like this (d.d. 12-05-2021) :

Facebook of contributors to the [album amicorum of Jacob Heyblcq](#) - Demo for using the Wikimedia Commons API

- Category on Wikimedia Commons: https://commons.wikimedia.org/wiki/Category:Contributors_to_the_album_amicorum_Jacobus_Heyblcq
- Explanations & context in Dutch, on Wikipedia: https://nl.wikipedia.org/wiki/Wikipedia:GLAM/Koninklijke_Bibliotheek_en_Nationaal_Archief/Topstukken/Hergebruik/Voorbeelden/Smeelenboek_bijdragers_AAJH#2, Commons API
- Explanations & context in English, on GitHub: <https://kbnlwikimedia.github.io/Alba-Amicorum/alba/AA-Jacob-Heyblcq/reuse/> and <https://github.com/KBNLwikimedia/Alba-Amicorum/tree/main/alba/AA-Jacob-Heyblcq/reuse>



The disadvantage of this approach: Wikimedians can adjust categorizations on Commons as they see fit. As a result, images can disappear from the above API call, or multiple images of 1 particular contributor can appear in the JSON response. In other words, the number of images in the resulting facebook may change, without one noticing.

Update 12-05-2021: images have indeed disappeared from the category between 8-12-2020 and 12-05-2021, as can be seen by comparing the above screenshots with those timestamps.

2) SPARQL query on Wikidata

In the Wikidata item [Album amicorum of Jacobus Heyblcq \(1623-1690\), rector of the Latin school in Amsterdam \(Q72752496\)](#), all contributors to this album are included in the property [contributor](#) to the creative work or subject (P767). As a result, we can gather all those persons using the [SPARQL query below](#) and then display their images/faces in a ready-made gallery in the Wikidata interface

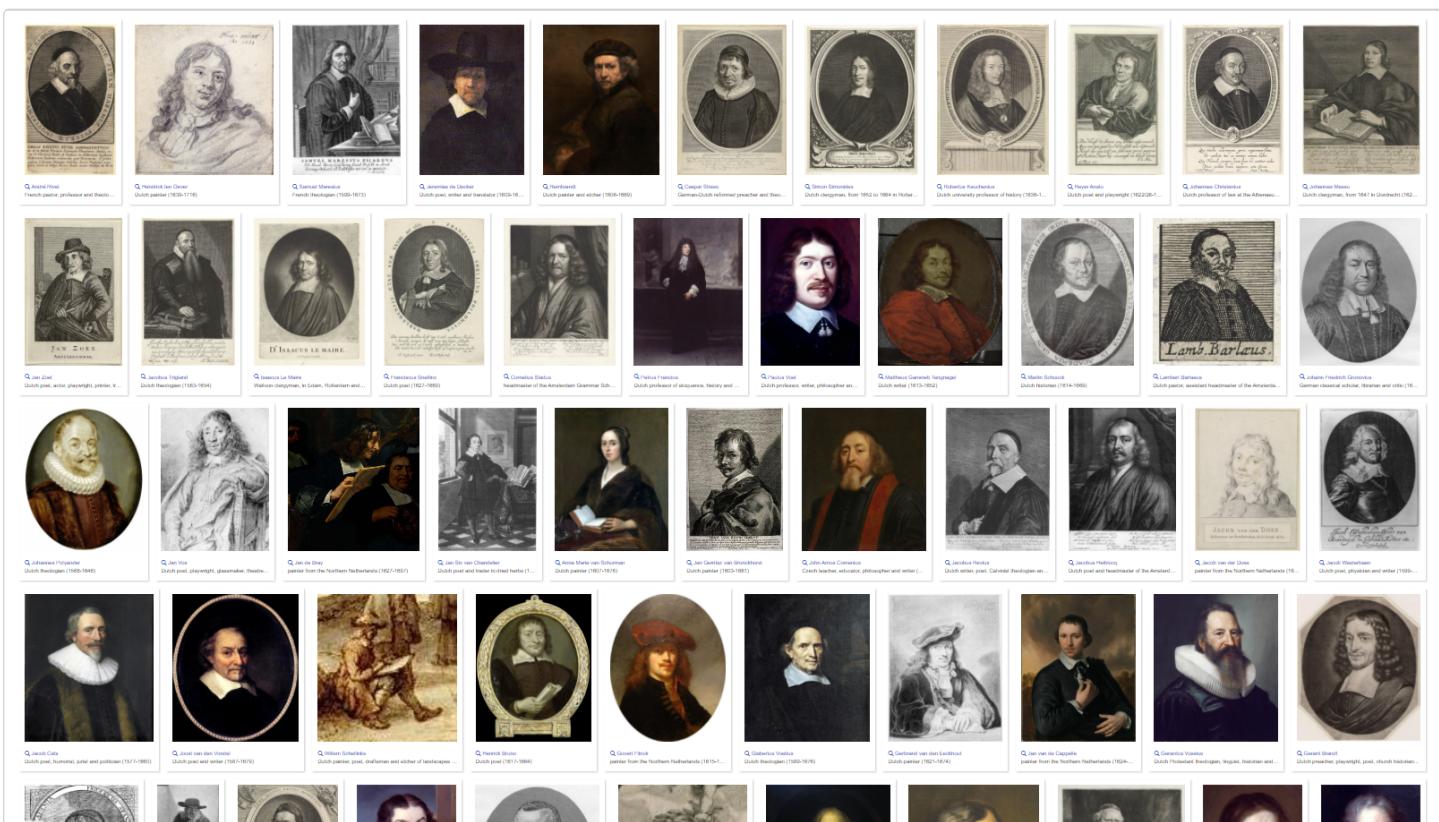
```
#defaultView:ImageGrid{"hide":["?gender","?portrait"]}  
SELECT DISTINCT ?contributorDescription ?contributor ?contributorLabel ?gender ?portrait WHERE  
BIND(wd:Q72752496 as ?album)  
?album wdt:P767 ?contributor.
```

```
?contributor wdt:P21 ?gender.  
OPTIONAL{?contributor wdt:P18 ?image.}
```

```
BIND (wd:Q82985930 as ?maledummy)  
BIND (wd:Q82992173 as ?femaledummy)  
?maledummy wdt:P18 ?maledummyimage.  
?femaledummy wdt:P18 ?femaledummyimage.  
BIND(IF(?gender=wd:Q6581072,?femaledummyimage,?maledummyimage) as ?dummyimage). #Choose the  
BIND(IF(BOUND(?image), ?image,?dummyimage) as ?portrait). #If no image is known, substitute  
  
SERVICE wikibase:label { bd:serviceParam wikibase:language "en,nl". }  
}  
ORDER BY DESC (?image)
```

Here, via Q82985930 + ?maledummyimage and Q82992173 + ?femaledummyimage, male and female dummy images are inserted for the male resp. female album contributors whose images are not (yet) known in Wikimedia Commons.

The facebook resulting from the above query looks like this:



3) HTML facebook based on the Wikidata SPARQL service with a JSON response

When running a SPARQL query in the Wikidata query interface, we can have the result displayed

directly in that interface, as shown above. However, we can also request the search result as a JSON response and then build a custom/DIY interface with it ourselves. We do this as follows:

1. Using [the SPARQL query below](#), we first request some data about the album contributors directly in the Wikidata query interface

```
SELECT DISTINCT ?contributor ?contributorLabel ?contributorDescription ?image ?commonscat ?wpa
BIND(wd:Q72752496 as ?album)
?album wdt:P767 ?contributor.
?contributor wdt:P18 ?image.
OPTIONAL{?contributor wdt:P373 ?commonscat.}
OPTIONAL{?wparticleNL schema:about ?contributor.
          ?wparticleNL schema:isPartOf <https://nl.wikipedia.org/>.}
SERVICE wikibase:label { bd:serviceParam wikibase:language "nl". }
}
ORDER BY ?contributorLabel
```

So we request

- the Wikidata Q number (*?contributor*),
- the Dutch name (label), description and the image (but now without the dummy images),
- the Dutch Wikipedia article and the Commons category (if available)

of every contributor, because we want to display this data in our DIY interface.

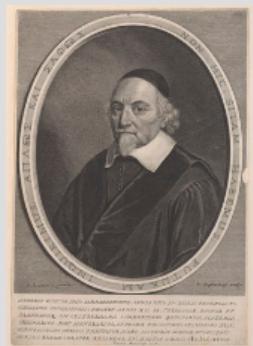
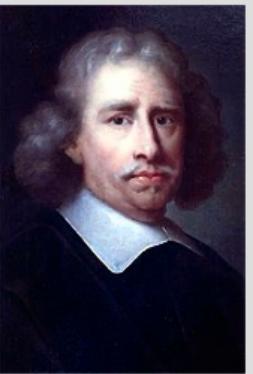
2. Once we have checked that the query and search results are OK, we then request the same response in JSON:

```
https://query.wikidata.org/sparql?query=SELECT%20DISTINCT%20%3Fcontributor%20%3FcontributorLabel
%20%3FcontributorDescription%20%3Fimage%20%3Fcommonscat%20%3FwparticleNL%20WHERE%20%7B%20%0A
%20%20BIND(wd%3AQ72752496%20as%20%3Falbum)%0A%20%20%3Falbum%20wdt%3AP767%20%3Fcontributor.%0A%20
%20%3Fcontributor%20wdt%3AP18%20%3Fimage.%0A%20%20OPTIONAL%7B%3Fcontributor%20wdt%3AP373%20%3Fcommonscat.
%7D%0A%20%20OPTIONAL%7B%3FwparticleNL%20schema%3Aabout%20%3Fcontributor.%0A%20%20%20%20%20%20%20%20%20%20
%20%20%3FwparticleNL%20schema%3AisPartOf%20%3Chttps%3A%2F%2Fn.wikipedia.org%2F%3E.%7D%0A
%20%20%20SERVICE%20wikibase%3Alabel%20%7B%20bd%3AserviceParam%20wikibase%3Alanguage%20%22nl%22.%20%7D%0A%7D
%20%0AORDER%20BY%20%3FcontributorLabel&format=json
```

3. With this JSON we can now use [this Python script](#) to create [this simple HTML photo gallery](#)/smoelenboek.

Facebook of contributors to the album amicorum of Jacob Heyblcq - Demo for using a SPARQL-query on Wikidata with JSON-response

- SPARQL query on Wikidata: <https://w.wiki/soe>, with JSON output
- Explanations & context in Dutch, on Wikipedia: https://nl.wikipedia.org/wiki/Wikipedia:GLAM/Koninklijke_Bibliotheek_en_Nationaal_Archief/Topstukken/Hergebruik/Voorbeelden/_Smeulenboek_bijdragers_AAJH#4 SPARQL-query op Wikidata met JSON-respons
- Explanations & context in English, on Github: <https://kbnlwikimedia.github.io/Alba-Amicorum/alba/AA-Jacob-Heyblcq/reuse/> and <https://github.com/KBNLwikimedia/Alba-Amicorum/tree/main/alba/AA-Jacob-Heyblcq/reuse/index.md>

 <p>Abdias Widmarius Nederlands predikant en rector (1591-1668)</p> <ul style="list-style-type: none">CommonsWikidata	 <p>André Rivet Franse predikant, hoogleraar en theoloog (1572-1651)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata	 <p>Anna Maria van Schurman Nederlandse kunstenaar, wetenschapper en filosofe (1607-1678)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata	 <p>Antonius Aemilius Duitse auteur en historicus (1589-1660)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata	 <p>Arnoldus Senguerdius Nederlandse filosoof, hoogleraar in de wijsbegeerte, bibliothecaris en auteur (1610-1667/68)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata
 <p>Casper Streso Duits-Nederlandse hervormde predikant en theoloog (1603-1664)</p> <ul style="list-style-type: none">Commons	 <p>Claude Saumaise Frans classicus, schrijver en professor in Leiden (1588-1653)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata	 <p>Constantijn Huygens Nederlandse schrijver, dichter en componist (1596-1687)</p> <ul style="list-style-type: none">WikipediaCommonsWikidata	 <p>Cornelis Boey Nederlandse dichter, advocaat en advocaat-generaal van Holland (1611-1665)</p> <ul style="list-style-type: none">CommonsWikidata	 <p>Cornelius Sladus rector van de Latijnse school te Amsterdam (1599-1678)</p> <ul style="list-style-type: none">CommonsWikidata

4) Wikidata SPARQL + HTML-embed via iframe

The facebook made above can also be embedded in an HTML page by means of an HTML iframe. The basic code for that looks like this:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Facebook of contributors to the album amicorum Jacobus Heyblcq - Wikidata SPARQL
  </head>
  <body>
```

```

<h1>Facebook of contributors to the album amicorum Jacobus Heyblocq - Wikidata SPARQL +  

<iframe style="position: absolute; height: 100%; width: 100%; border: none" src="https:/>  

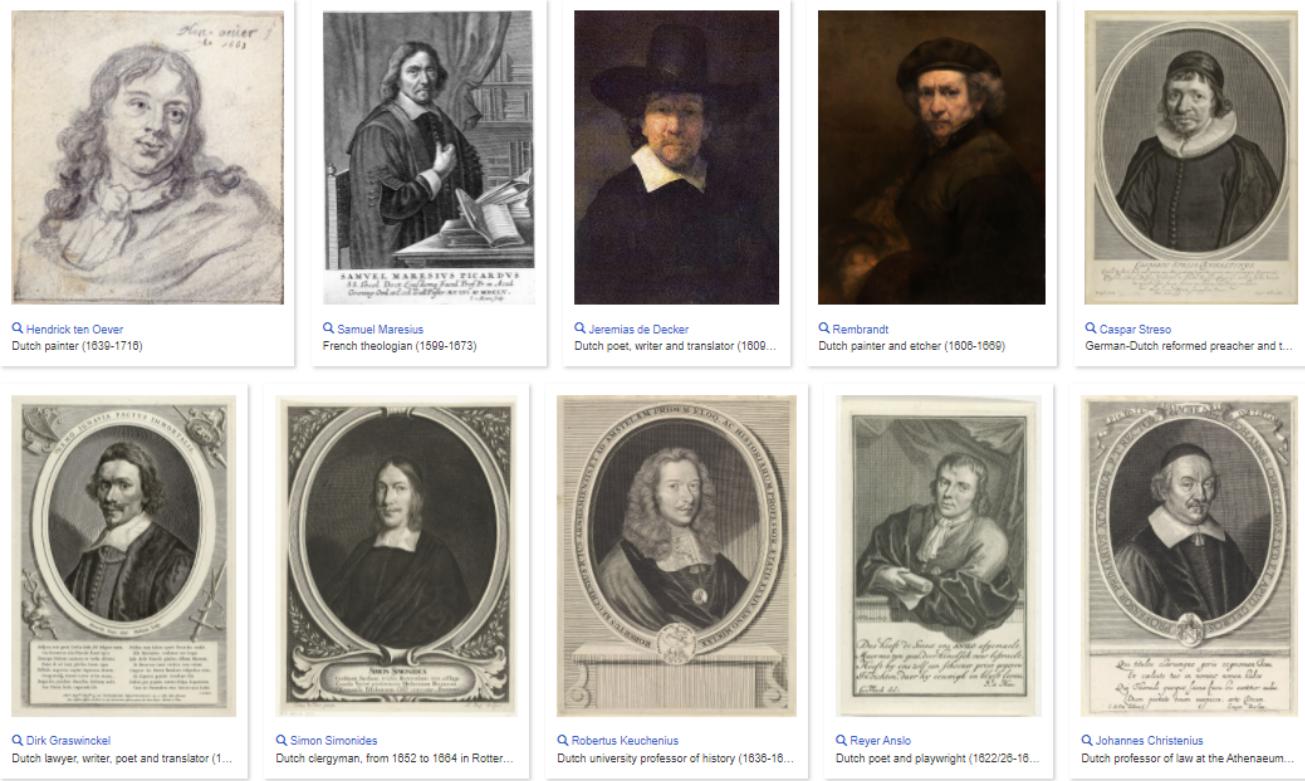
</body>  

</html>

```

This results into a plain, unstyled facebook in HTML looking like this:

Facebook of contributors to the album amicorum Jacobus Heyblocq - Wikidata SPARQL + HTML iframe



The grid contains 10 entries, each with a small image and a caption:

- Hendrick ten Deker**
Dutch painter (1639-1716)
- Samuel Maresius**
French theologian (1599-1673)
- Jeremias de Decker**
Dutch poet, writer and translator (1609-1654)
- Rembrandt**
Dutch painter and etcher (1606-1669)
- Casper Stroos**
German-Dutch reformed preacher and t...
- Dirk Graswinckel**
Dutch lawyer, writer, poet and translator (1...
- Simon Simonides**
Dutch clergymen, from 1652 to 1664 in Rotter...
- Robertus Keuchenius**
Dutch university professor of history (1636-16...
- Reyer Anslo**
Dutch poet and playwright (1622/26-16...
- Johannes Christenius**
Dutch professor of law at the Athenaeum...

kb.nl styling

We can further develop this HTML iframe approach into a design that fits seamlessly into the pages about the album on the KB website, resulting into an HTML-page looking like this:

Smoelenboek bijdragers vriendenboek Jacob Heyblocq

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

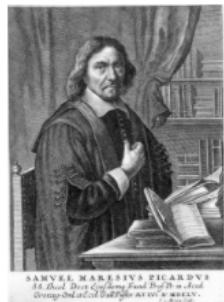
Tellus rutrum tellus pellentesque eu. Vel pharetra vel turpis nunc eget lorem dolor. Ornare aenean euismod elementum nisi quis. Pharetra magna ac placerat vestibulum lectus mauris. Eget velit aliquet sagittis id consectetur purus. Augue mauris augue neque gravida in fermentum et. Egestas fringilla phasellus faucibus scelerisque eleifend donec pretium vulputate sapien.



Q André Rivet
Franse predikant, professor en theo...



Q Hendrick ten Oever
Nederlands kunstschilder (1639-1716)



Q Samuel Maresius
Frans theoloog (1599-1673)



Q Jeremias de Decker
Nederlands schrijver, dichter en vertaler (...)



Q Rembrandt
Nederlands kunstschilder en etser (1606-1669)



Q Caspar Stroos
Duits-Nederlandse hervormde predikant e...



Q Simon Simonides
Nederlandse geestelijke, van 1652 tot 1664 i...



Q Robertus Keuchenius
Nederlandse professor in de geschiedenis (...)



In addition to this image gallery, we can also make a [list](#) and a [cloud of professions \(Dutch: beroepenwolk\)](#) of the album contributors in the design of the KB website, again based on embedded HTML iframes containing Wikidata SPARQL queries:

About the author



Olaf Janssen is the Wikimedia coordinator of the KB, the national library of the Netherlands. He contributes to [Wikipedia](#), [Wikimedia Commons](#) and [Wikidata](#) as [User:OlafJanssen](#)

Reusing this article

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