





Features in initial release:

- Adding/editing depicts statements on media files (UploadWizard and File Page)
- 2. Search via depicts statements and their qualifiers

Features in later releases:

- 1. Batch upload and editing
 - a. Including campaigns
- 2. Integrating ImageAnnotations with depicts
- Computer vision algorithms to suggest possible Wikidata concepts for depicts
- 4. Editing Wikidata from Commons
 - a. Adding labels to Q items
 - b. Adding depicts statements to artwork Q items
 - c. Editing all other statements



Using Depicts statements to give structure to media descriptions



Let's talk about qualifiers

- Qualifiers provide context for the depicts statement
- They're only one level deep
- Some properties can <u>only</u> be used as qualifiers
- The "allowed qualifiers
 constraint" property of depicts
 (P180) defines which values can
 be used as qualifiers without
 generating a warning (though
 currently there's no technical
 blocker keeping users from
 adding pretty much anything)



Qualifiers for depicts

- The list of properties in the "allowed qualifiers constraint" for depicts is currently short
- The "allowed qualifiers constraint" does not technically prevent any property from being added as a qualifier, but using properties not in the "allowed" list would trigger warnings.
- Adding new properties that can be used as qualifiers for depicts does not require special privileges.



Relevant Qualifiers "allowed" for depicts today

Shown with features	P1354: used for a number of different contexts
color	P462: self-explanatory
wears	P3828: originally for professions, now used for art and other things
applies to part	P518: any item is allowed, but typically foreground, background, etc
quantity	P1114: number of the things
inscription	• P1684: text, often on a building, statue, etc.
symbolizes	P4878: usually used for elements seen in artwork
Relative position within image	• P1684: IIIF syntax for image clipping, zoom, etc.

Qualifiers that Commons may need (based on community decision)

Eye Color	• P1340: for various creatures (including humans)
Shape	• P149: ex: Balloon: shape: star
XXX	• TBD: TBD
XXX	• TBD: TBD

Photo: **Bearded man** with girl wearing a blue dress

- Natural language is tricky; how do we denote it's the girl wearing the dress, not the bearded man?
- This image could be tagged simply as: Beard, Man, Girl, Dress, Blue,

But a better option could be:

Man

Shown with Features: Beard

Girl

Wears: Dress

Dress

Color: Blue

Human

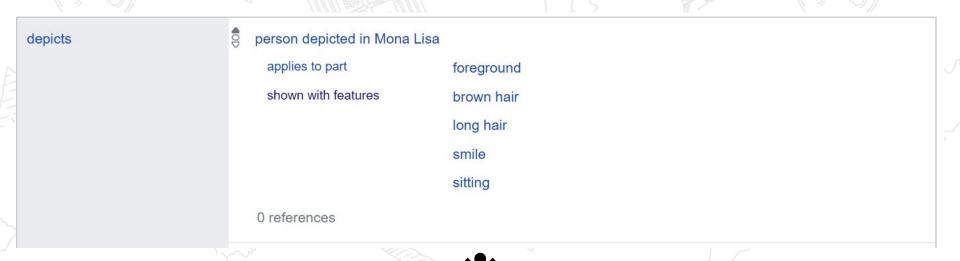
Quantity: 2



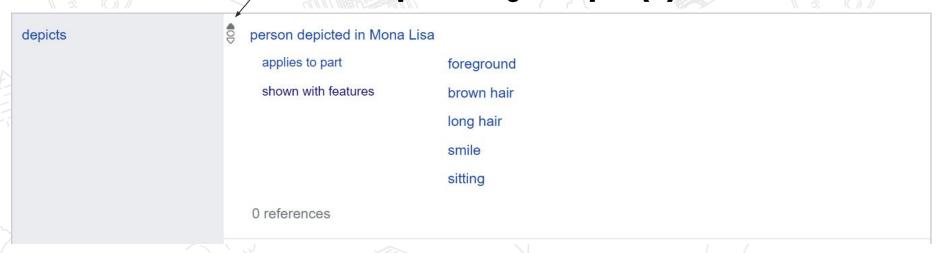
This can all be modeled with existing Wikidata Q items and Properties:

```
Depicts (P180):
    Man (Q8441)
        Shown with Features (P1354): Beard (Q42804)
    Girl (03031)
        Wears (P3828): Dress (Q200539)
    Dress (Q200539)
        Color (P462): Blue (O1088)
    Human (Q5)
        Quantity(P1114): 2
```

This depicts statement from the Mona Lisa Q item illustrates several concepts we can use (and redesign for Commons)

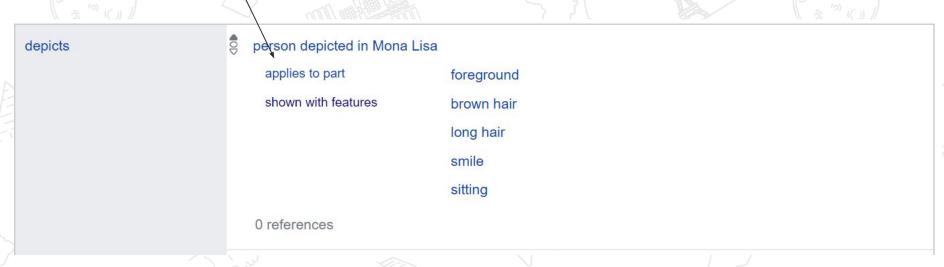


Ranking: this little 'up' arrow shows this statement is "preferred" ranked (most current info or best represents consensus). On Commons we'll need functionality to indicate that one or more depicts statements are the "primary" topic(s) of the media





"Applies to part": will help empower future Commons searches like "find me photos with the Eiffel Tower in the Background".





Descriptors: convenient way to describe generic aspects of people/places/things in the image







File Page and Upload Wizard

Users must be able to:

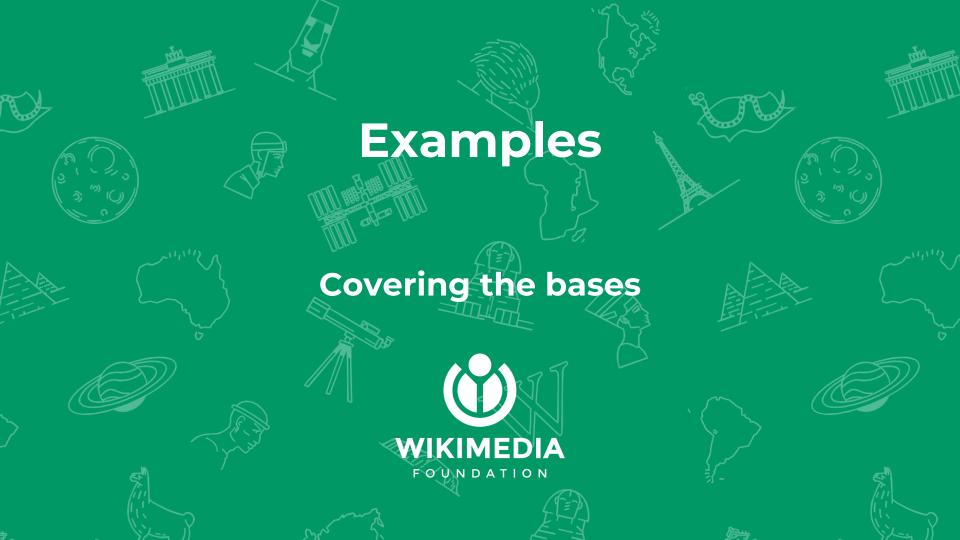
- a) Add/remove/edit depicts concepts
- b) Add/remove/edit qualifiers to that concept
- c) Choose one or more of the depicts concepts as a "primary" ranked statement

Search

Users must be able to:

- a) Search for the base depicts statement (cat, dog, etc.)
- b) Access the additional context provided by the qualifiers (cat, quantity: 2, etc.)





The Louvre at Dusk, Paris France

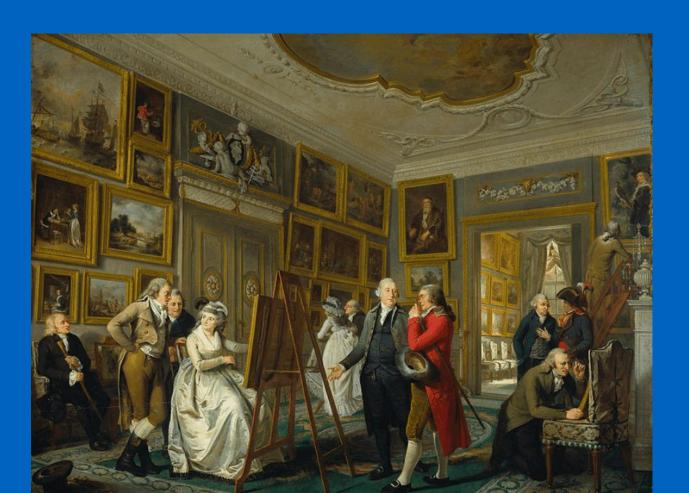


Louvre_at_dusk.jpg (MXXX):

```
Depicts (P180):
    The Louvre Museum (Q19675)
    Louvre Pyramid (Q13397)
        Relative position within image (P2677): pct:65,81,35,15
    Sky (Q200539)
        Applies to part (P518): background (Q13217555)
        Color (P462): Blue (Q1088)
        Shown with features (P1354): cloud (Q8074)
    Dusk (Q11288132)
```



Painting: "The Art Gallery of Jan Gildemeester"



De_kunstgalerij_van_Jan_Gildemeester_ Jansz_Rijksmuseum_SK-A-4100.jpeg (MXXX):

```
Depicts (P180):

Jan Gildemeester (Q2663888)

Relative position within image (P2677): pct:65,81,35,15

Adrian de Lelie (Q616083)

Relative position within image (P2677): pct:5,8,55,17

Etc, etc ......
```



The Gildemeester gallery image is a great example of the artwork use case



- It's a scan of a painting that has its own Wikidata Q item
- The painting contains 15 <u>other</u>
 paintings that also have their own
 Wikidata Q items
- The painting also depicts numerous people, each with their own Wikidata Q items
 - ImageAnnotation feature is used to call out each of these contained elements. At a later date, ImageAnnotations will have to be tied into depicts in the future as part of "structuring" them

Requirements for artwork:

- a) Need to reference existing depicts statements from Wikidata for paintings, statues, etc., that have Q items
- b) Need to make it clear to the user that those additional depicts statements came from the artwork's Q item





Proposing a new Wikidata property for Commons media

- 1. Editor realizes that a property the want to use on a file isn't available on Wikidata
- 2. Editor is directed, through some type of help link, to a page with both a description of the "standard" data model on Commons and clear instructions for proposing new properties on Wikidata.
- B. Editor arrives on Wikidata in the Commons property forum, and forum gives clear guidance for how to propose a new property.
- 4. Editor goes through the steps to propose a new property.
- 5. Editor is encouraged to invite other participants to the property creation conversation.



Proposing that a property be added to depicts "allowed qualifier constraint"

- 1. Editor goes to the designated forum where discussions of the constraints happen.
- 2. Discussion happens within Commons community (or on Wikidata?).
 - Community ambassador makes the change on Wikidata (or asks for that change to be made on Wikidata).



Proposing that a property's "rules" be changed to accommodate a Commons use case

- 1. Commons and Wikidata
 Communities recognize that a
 property might have different
 functional use cases on Wikidata
 and Commons -- where the data
 modeling has different functions.
- 2. Discussion happens on the talk page for the property in question.
- 3. Community discussion leads to decision about changes to the property, or the creation of a new property if necessary.





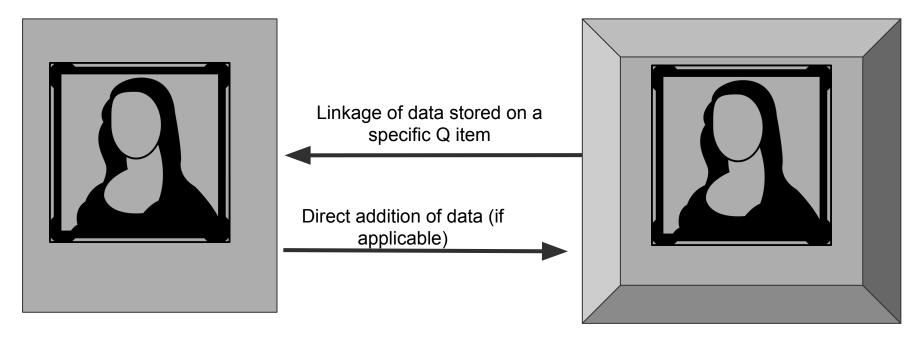
Special (but important) situations with Artworks that have statements in Wikidata



1 to 1 use case

Wikibase@commons

Wikidata



{Ref: QXXX P180}



Artwork QXXX item
Statement 1
Statement 2

.

Statement n

But sometimes there are multiple versions (Q items) of the same painting

Multiple painting versions [edit]

A lot of artists like to make multiple version of the same paintings. Our goal is to create a separate item for each of the versions. Some items will be about multiple paintings. You'll notice the multiple collection statements. Do **not** add the inventory number, instead replace instance of (P31) -> painting (Q3305213) with instance of (P31) -> painting series (Q15727816). A separate documentation page will be created how to model these kind of situations.

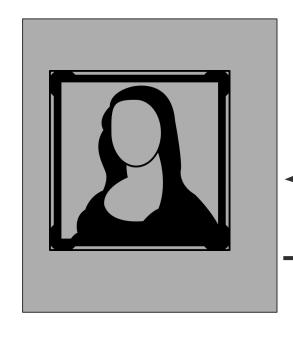
Ref: Sum of All Paintings



1 to many use case

Wikibase@commons

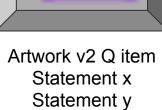
Wikidata



Linkage of data stored on a specific Q item

Direct addition of data (if applicable)

Artwork v1 Q item
Statement 1
Statement 2



M item on Wikibase@Commons



Artwork v3 Q item Statement A Statement B

And often there are multiple versions (M items) of digital media depicting the same artwork (AND derivatives of it)



A history of painting (1911) (14597070157).jpg 1,408 × 2,112; 727 KB



with a preface by Frank Brangwyn (1911) (14598237958).jpg 1,818 × 2,726; 559 KB

A history of painting..



Elements of Mona Lisa.jpg 720 × 540; 65 KB



European art banner

3,000 × 428; 602 KB

Mona Lisa.jpg

France-003324 - Mona Lisa (16236519171).jpg 4,000 × 6,000; 19.41 MB



Gioconda.jpg 2,619 × 3,920; 3.3 MB



Kartina obraza matery mona liza hydognik leonardo da vinchi.jpg 500 × 756; 118 KB



La Gioconda.jpg 2,580 × 3,840; 4.63 MB



La Joconde -Gioconda.jpg 1,648 × 2,362; 1.83 MB



La Joconde.jpg 1,477 × 2,050; 4.2 MB



Leonardo da Vinci -Mona Lisa (La Gioconda) -WGA12711.jpg 1,000 × 1,501; 233 KB



Leonardo da Vinci -Mona Lisa (La Gioconda) -WGA12712.jpg 800 × 1,184; 128 KB



Leonardo da Vinci -Mona Lisa (Louvre, Paris).jpg 6,441 × 9,565; 14.61 MB



Leonardo da Vinci -Mona Lisa (Louvre, Paris)FXD.tif 3.221 × 4.782: 30.64 MB



Leonardo da Vinci -Mona Lisa.jpg 2,403 × 3,591; 1.42 MB



Leonardo da Vinci 042mod.jpg 1.576 × 2.379: 309 KB



Leonardo da Vinci Mona Lisa.jpg 1,500 × 2,268; 1.44 MB



Mona Lisa by Leonardo da Vinci 042.jpg 1,576 × 2,379; 214 KB



Mona Lisa color restoration.jpg 722 × 1,074; 683 KB



Mona Lisa colours after restoration.jpeg 2 000 × 2 990: 2.4 MB



Mona Lisa frameless.jpg 370 × 540; 66 KB



Mona Lisa Louvre PERSPECTIVA.jpg 1,044 × 1,432; 1.22 MB



Mona Lisa Portrait.png 300 × 444; 139 KB



Mona Lisa restored colour, based on "Prado Copy" painted by apprentice alongside



Mona Lisa Restored Mor Colour. Based on newly discovered "Prado Copy" natu painted by pupil 7,60 alonoside Leonardo ind MB



Mona Lisa, by Leonardo da Vinci, from C2RMF natural color.jpg 7,601 × 11,348; 15.06

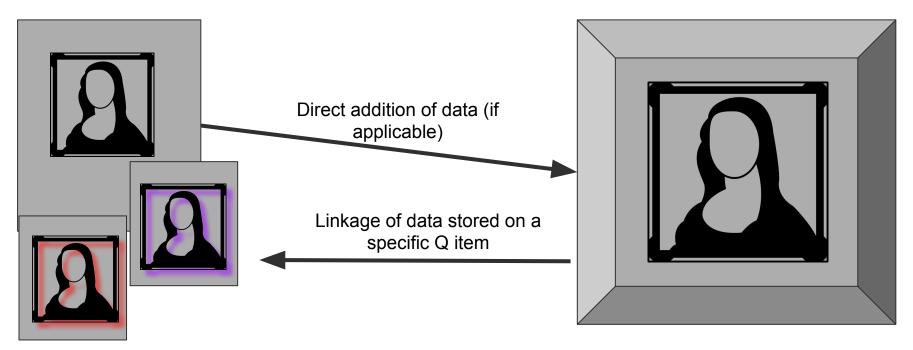


Mona Lisa, by Leonardo da Vinci, from C2RMF Repaired.jpg 3,000 × 4,471; 6 MB

many to 1 use case

Wikibase@commons

Wikidata



M item on Wikibase@Commons

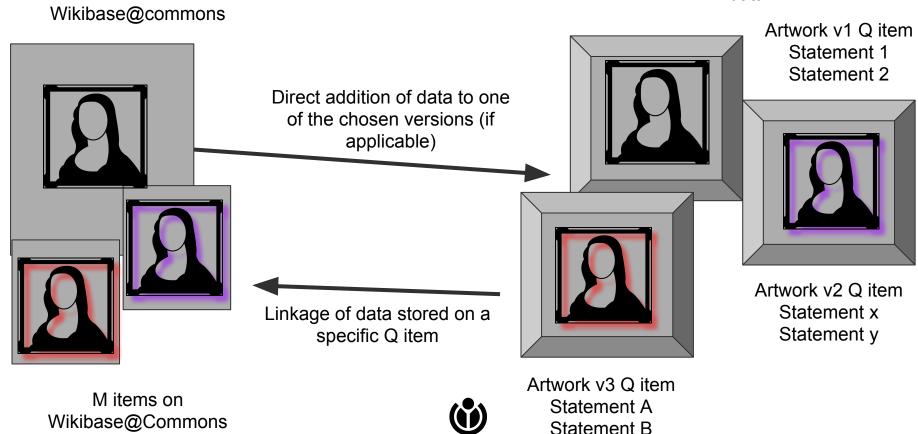


Artwork QXXX item
Statement 1
Statement 2

Statement n

many to many use case

Wikidata



FOUNDATION