

IIIF-beeldinfrastructuur gekoppeld aan VKC-ecosysteem, fase 3:
Crowdsourcing, IIIF-manifestenbibliotheek en IIIF-storytelling

WP2 Proefopstelling van een crowdsourcingtool gebruikmakend van IIIF-annotaties en externe authorities

Taak 4: Opzetten van een storyboard en ontwerparchitectuur

Binnen deze taak werden zowel het gebruikersonderzoek als de oplistings van functionaliteiten samengevoegd in een storyboard voor crowdsourcing dat vertaald werd in een mogelijke ontwerparchitectuur.

Deliverable 6. Storyboard en ontwerparchitectuur voor een crowdsourcingtool

Medewerkers werkpakket 2

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1. Voortraject

Op basis van de resultaten van de gebruikersbevraging (zie WP2 Deliverable 4) en de oplistings van interessante/noodzakelijke functionaliteiten (WP2 Deliverable 5) is een aanbesteding opgesteld en uitgestuurd. In deze aanbesteding werd ingezet op drie deelopdrachten:

- een storyboard: een concrete blik op hoe de verschillende processen bij het gebruik van de crowdsourcingtool verlopen en aan elkaar geschakeld worden, welke de logische opeenvolgende stappen zijn bij het gebruik van de tool, welke verschillende deelprocessen mogelijk moeten worden gemaakt, ...
- een architectuur: een technische blauwdruk van aaneengeschakelde en in de mate van het mogelijke reeds bestaande open source API's en courante IIF-technologie die de crowdsourcingtool met alle door de projectpartners vooropgestelde en in het storyboard weerhouden functionaliteiten mogelijk maken.
- een proefopstelling: een afgeschermd online platform dat het mogelijk maakt om gebruiksvriendelijk (media)content met specifieke vraagstellingen ter beschikking te stellen aan een (test)publiek. Het platform verschaft daarnaast functionaliteiten aan dit (test)publiek om aan deze vraagstellingen tegemoet te komen.

In antwoord op deze aanbesteding ontvingen wij één offerte, namelijk van het Britse bedrijf Digirati. Zij baseerden zich in hun offerte op de bestaande tool Madoc, die door hen is ontwikkeld en in overleg met de gebruikers permanent wordt doorontwikkeld en onderhouden. Deze offerte is in overleg met de verschillende projectpartners gejureerd. Daarbij werden twee structurele opmerkingen gemaakt:

- De voorgestelde prijs ligt ruim boven het vooropgestelde budget. De doelen van het traject moeten dus heroverwogen worden.
- De kennis van Madoc bij de projectpartners is te pril om een doordachte inschatting te maken van de additioneel uit te werken functionaliteiten.

In navolging van deze opmerkingen is het traject bijgestuurd. Met goedkeuring van alle projectpartners én het departement Cultuur is beslist om het storyboard en de architectuur te beperken tot de nieuw uit te werken functionaliteiten. De reeds bestaande functionaliteiten zullen, in de mate van het mogelijke, worden gedocumenteerd op basis van de vrij beschikbare broncode.

Verder is ook de beslissing over de definitieve selectie van uit te werken functionaliteiten uitgesteld. Om een beter beeld te krijgen van de huidige mogelijkheden van Madoc is eerst een testomgeving opgezet door Ghent Centre for Digital Humanities. Alle projectpartners kregen daardoor de kans om met Madoc aan de slag te gaan en de tool te leren kennen. Onduidelijkheden die tijdens deze testfase de kop opstaken, konden tijdens een gesprek met medewerkers van Digirati worden uitgeklaard. Op basis van deze nieuwe inzichten is een nieuwe beslissing genomen over de selectie van uit te werken functionaliteiten, rekening houdend met het vooropgestelde beperkte budget. Ook binnen de functionaliteiten die initieel als noodzakelijk ('must') werden bestempeld, werd een heroverweging gemaakt.

1.1 Selectie van uit te werken functionaliteiten

De tabel hieronder geeft een overzicht van de gewenste functionaliteiten en, na heroverweging, welke functionaliteiten uiteindelijk werden weerhouden om te ontwikkelen. De tabel is gebaseerd op de vereisten die in de aanbesteding werden opgenomen. Ze is, met uitzondering van de Nederlandse titels, op deze manier opnieuw aan Digirati aangeboden.

Functionaliteit (type)	Beschrijving	Status	Te ontwikkelen?	Specifieke invulling
A storyboard for a crowdsourcing tool	Storyboard with all chosen functionalities incorporated.	Must		
An architecture for a crowdsourcing tool	Design architecture for the compilation and/or development of a crowdsourcing tool incorporating all chosen functionalities.	Must		
Existing functionalities				
IIIF Compliant	an Ingest API must be provided that allows content to be imported via IIIF manifest and/or IIIF collection URLs (Presentation API 3.0)	Must	Already available	
Project builder	Preformed templates	Optional	Already available	
Project Builder	Free building options	Optional	Already available	
Project Builder	Scripting	Optional	Already available	
Project Builder	Ingest API for Presentation API 2.1	Optional	Already available	
Login	Login through the combination of the specified email address or a self-chosen username and password.	Must	Already available	
Worksheet and viewer	A configurable IIIF viewer should be integrated in the tool. Initiators must be able to easily configure this viewer so that it can be used to quickly zoom in, to browse images, to consult	Must	Yes	A search/browse functionality should be integrated in the viewer so volunteers can browse through the content of a project without having to leave the specific task they are executing.

	associated metadata, to indicate regions on an image, to rotate images, ..., without a long loading time.			<p>If possible, this functionality should be a part of the viewer. You don't have to develop a new element.</p> <p><i>The goal of this functionality</i> is to compare images, use images and metadata from other sources to help execute a task.</p>
Integrated term lists	The tool must therefore enable the integration of structured authorities and the addition of new integrations. This must be done via the connection with initiatives such as 'Het Termennetwerk' or other similar portals or endpoints, or via files to be loaded (JSON). One example, namely a connection to a Wikidata endpoint should be included in the test setup.	Must	Yes	We would like to generalize the API that calls on Wikidata, so all similarly functioning APIs could be implemented without code changes. We think this can be done, for example, by adding profiles to the Madoc endpoint, which specify the parameters of the API query and the response maps and which can be set up in the admin panel.
Structured storage	<p>(Provisional) results must be temporarily stored, stating the participant, time, (reference to) the record, ... and linked to a user's profile. The temporarily stored results should still be definitively confirmed/submitted by the user before they are offered for validation by the initiators.</p> <p>This temporary storage should be able to work automatically. In other words, the participants do not have to be responsible for the temporary storage of their progress. However, initiators/project builders must be able to decide for themselves whether or not to make use of this feature.</p>	Must	Yes	<p>We noticed Madoc doesn't provide an 'autosave'.</p> <p>We would like the temporary storage to work automatically. Every contribution should be saved in order to prevent data loss.</p> <p>But, initiators/project builders must be able to decide for themselves whether or not to make use of this 'autosave'.</p>
Project information	Scoreboard of most active participants	Optional	Already available	
Project information	Complete project statistics for initiators	Optional	Already available	
Data export	When all tasks have been performed and the	Must	Already available	During our tests, we encountered problems with

	enrichments have been validated, the results can be exported by the initiators. The collected data must be made available for export in JSON format.			the export functionality. This should be fixed in the Madoc setup.
Supported devices	The test set-up is only aimed at use via a computer. In other words, no adjustments need to be done for smartphone or tablet use. Google Chrome and Microsoft Edge are the primary web browsers for this trial setup. The compilation should therefore be done with these web browsers in mind.	Must	Already available	
Multilingualism	To appeal to a wide audience, multilingualism is a requirement. This means that all parts visible to a user must be available in multiple languages. In the context of the test set-up, the addition of a second language is sufficient (without actually developing it).	Must	Already available	
Existing functionalities with workarounds/caveats				
Onboarding and guidance	Possibility to add a list of frequently asked questions	Optional	Yes	We would like you to develop a UI (or expand the existing UI) to add new pages, not only to a site, but also to a specific project.
Integrated term lists	Enable and disable authorities for a project	Optional	Yes	Terminologies to be added: Iconclass, AAT, ...
Project information	Insight into the progress of a project is of great importance to both the participants themselves and the project supervisors. This progress must therefore be presented in a clear and accessible manner.	Must	Yes	Visual indicators showing the progress of projects should be added to the 'all-projects-listing'. It should also be possible for initiators to add an image and the type of project to this listing.
Project information	Expandable project page (multiple tabs)	Optional	Already available	
Communication channels	To ensure that everything runs smoothly and to	Must	Yes	It should be possible to make an export of all

	strengthen the connection between the participants and the project supervisors, as well as among the participants, various communication channels can provide great added value for all users of the tool.			email addresses of the participants in a specific project.
New functionality				
Project builder	This project builder must be usable for both non-technical and technical profiles. Some features of a project must in particular be configurable: - the data model: what data do you want to collect and how? (E.g., type of entry fields, drop-down lists, annotation options, ...); - the viewer: which functionalities should the viewer have? (E.g., zoom, rotation, showing metadata, ...) - the validation method: which method? How many times should a task be performed? - the export of data: in which standard should the enriched data be made available	Must	No	
Authentication	The first step for a (new) user of the crowdsourcing tool who wants to contribute to a project is authentication through registration and login.	Must	No	
Registration	It must be possible to add to this general registration the obligation to explicitly agree to the terms of use. When registering for a specific project, participants must be asked to agree to the transfer of copyright ownership to the project initiators. This registration procedure considers the regulations regarding GDPR (the elaboration of a GDPR compliant registration is not part of this assignment). In concrete terms, this means that the tool must be able to request data such as	Must	Yes	The registration page should be configurable. Terms of use should be accessible by default. A page where this can be found should be added (link via footer).

	name, e-mail address, username, password, possibly also telephone number and profile picture/icon.			
Onboarding and guidance	Configurable message on logon	Optional	No	
Authentication	Storage of personal data in a protected environment	Optional	No	
Authentication	Sign in via Google account	Optional	No	
User profiles	These profiles must provide the initiators with an overview of the personal information provided (usernames, (bulk list of) email address(es); and of the contributions made).	Must	Yes	We (initiators) would like to be able to easily filter/sort the overview of user data and the contributions made by these users.
Assigned Status (project specific)	The project supervisors must be able to assign three specific statuses (e.g., 'validator') to users (profiles). These statuses are accompanied by additional usage rights (e.g., validation of the contribution of others). The status assigned to a participant must be project specific.	Must	No	
Scoreboard (project specific)	The user profiles must also be able to be used to set up a scoreboard related to a project (in the context of this test set-up, the number of processed records is sufficient).	Must	No	
User profiles	Choice of profile icon	Optional	No	
User profiles	Configurable scoring	Optional	No	
User profiles	Badges/Medals	Optional	No	
Onboarding and guidance	To ensure that new users (participants and initiators) become familiar with the crowdsourcing tool without too much effort, this tool must offer sufficient (possibilities for) guidance.	Must	No	

For initiators	Survey shows that initiators prefer: - A written manual in which the possibilities of the tool are explained in an accessible way when setting up and designing a project. This is preferably done based on a combination of textual and (audio)visual material. In the context of this test setup, providing the basic elements of such a manual is sufficient.	Must	No	
For competitors	It must be possible for initiators to offer various forms of support and introduction to the participants: - A written manual via adding PDFs or an external web page. These documents or operating principles must be made available through external links. - One or more tutorials on the platform itself where participants are 'guided' through the main features. In the context of the test set-up, 'the tutorials' are limited to the possibility to embed videos on the platform itself (e.g., on the project start page). - It must be possible to provide pop-ups with the set tasks that, after clicking, give instructions on the tasks to be performed. In the context of the test setup, one example of such a pop-up will suffice.	Must	No	
Onboarding and guidance	Direct communication tool	Optional	No	
Selection of tasks and content	After an introduction to the project, the participants can start with the execution of the set tasks. The tool must offer participants a free choice. In other words, they must be able to: - choose content (canvas/manifest) to be crowdsourced from the records made available by the initiators. The choice of the content can be made by means of a visual overview	Must	No	

	<p>(thumbnails) of the content (canvas/manifests) to be worked on within the project, each with a brief mention of the most important metadata (title of the manifest or canvas).</p> <p>After a task has been performed or a record has been processed, the tool offers the option to continue with the next record. Skipping the next record is always an option.</p>			
Structured storage	Configurable storage period	Optional	No	
Validation	Configurable repeated task (Number)	Optional	No	
Validation	Categorization of results based on repeated tasks	Optional	No	
Project dashboard	<p>The tool must present the project progress for each project in a project-specific dashboard. Project progress means:</p> <ul style="list-style-type: none"> - The data on the number of executed, validated and available records; - The data about the number of participants (possibly with usernames and (optional) profile picture); 	Must	No	
Accessing results	<p>Access to the provisional and/or validated content enrichments is also very important for some participants. However, access for participants is not always desirable. The initiators must therefore be able to determine who will be given access to validated results when building a project:</p> <ul style="list-style-type: none"> - for everyone (public) - for users who are logged in (semi-shielded) - not visible (shielded) <p>If the initiators decide to open these validated results, these results must be made visible through the interface of the application itself. In</p>	Must	No	

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	other words, the participants must be able to consult the data on a designated part of a project page.			
Project information	Configurable access to preliminary results	Optional	No	
Project information	Ability to add a feedback document to the participant account	Optional	No	
Communication channels	Direct communication tool (form, chat box, shortcut)	Optional	No	
Functionalities not currently deemed appropriate for the Madoc Product Roadmap or Funded by another project				
Worksheet and viewer	Indicating a region on an image using polygons	Optional	Already available	
Communication channels	User Forum	Optional	No	

1.2 Finale offerte

Het bovenstaande overzicht is aan Digirati voorgelegd. Op basis van de selectie en de toelichting bij elke functionaliteit is door hen een nieuwe prijszetting voorgesteld. Daarbij werden alle weerhouden functionaliteiten opgenomen, met uitzondering van 'Integrated term lists - enable and disable authorities for a project'. Deze functionaliteit werd immers niet haalbaar geacht binnen het voorgestelde traject. Er werd enkel ingezet op de uitbreiding van de huidige API die een beroep doet op Wikidata (zie 2.4 Geïntegreerde termenlijsten).

De nieuwe prijszetting werd gedeeld met alle projectpartners en unaniem goedgekeurd. Een nieuwe meeting met Digirati werd vastgelegd om een voorstel tot storyboard en architectuur te overlopen en bij te sturen.

2. Storyboard

Het storyboard schetst hoe de tool is opgebouwd zonder in detail in te gaan op de technische achtergrond. De focus ligt op de opbouw en de samenhang van de verschillende componenten. Zoals hierboven aangegeven, is in samenwerking met Digirati enkel ingezet op de vorming van een storyboard voor de geselecteerde functionaliteiten. Voor elk van deze functionaliteiten zijn afdrucken gemaakt van het Miro-storyboard, dat door Digirati is voorgesteld. Deze afdrucken bestaan telkens uit een combinatie van een tekstuele beschrijving van de voorgestelde toevoegingen en een visuele voorstelling van hoe deze toevoegingen er in het geheel van de tool zullen uitzien.

Een overzicht van reeds bestaande componenten van Madoc is te vinden in het [storybook](#) en de [uitgeschreven handleiding](#).

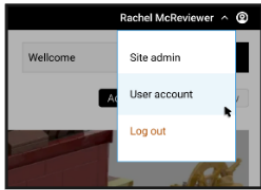
De oplijsting hieronder volgt de volgorde van het storyboard zoals door Digirati vooropgesteld.

2.1 Gebruikersprofiel / User profiles

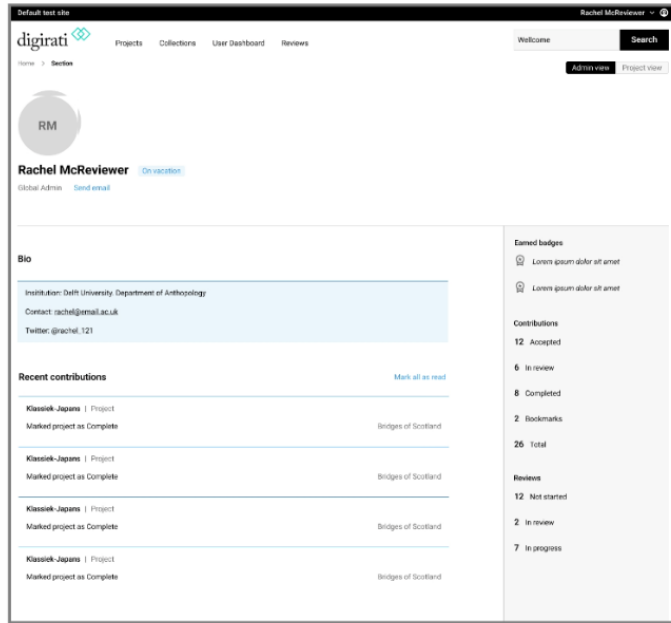
17.3

User profiles

1. New user fields for additional information
2. New "user preferences" field
3. A form that the user can fill in to provide this information
4. A built-in mechanism to prevent these additional fields being used if a "terms and conditions" has not been created (17.2.1)
5. The user profiles will show these additional fields
6. Users can choose to hide some of this information, including contributions (user preference - who can see XYZ)
7. A list of contributions will be shown on their profile page



User account easily accessible from any screen



Bio, contact details, and recent contributions

+ Badges (customisable)

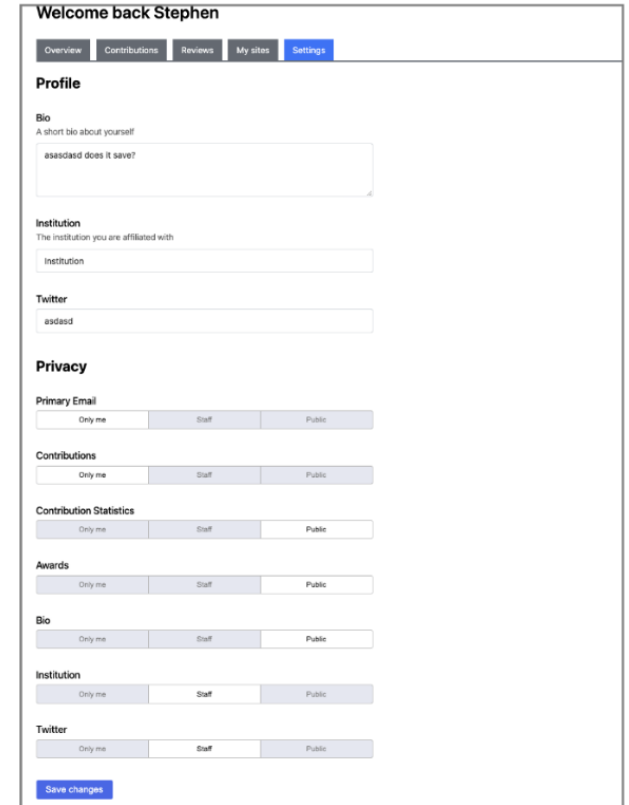
Customisable settings

Settings include: levels of access:

Who can see:

basic info
activity
achievements

Everyone (default)
Collaborators in the same project
Nobody (private)



2.2 Hulptekst / Tooltip

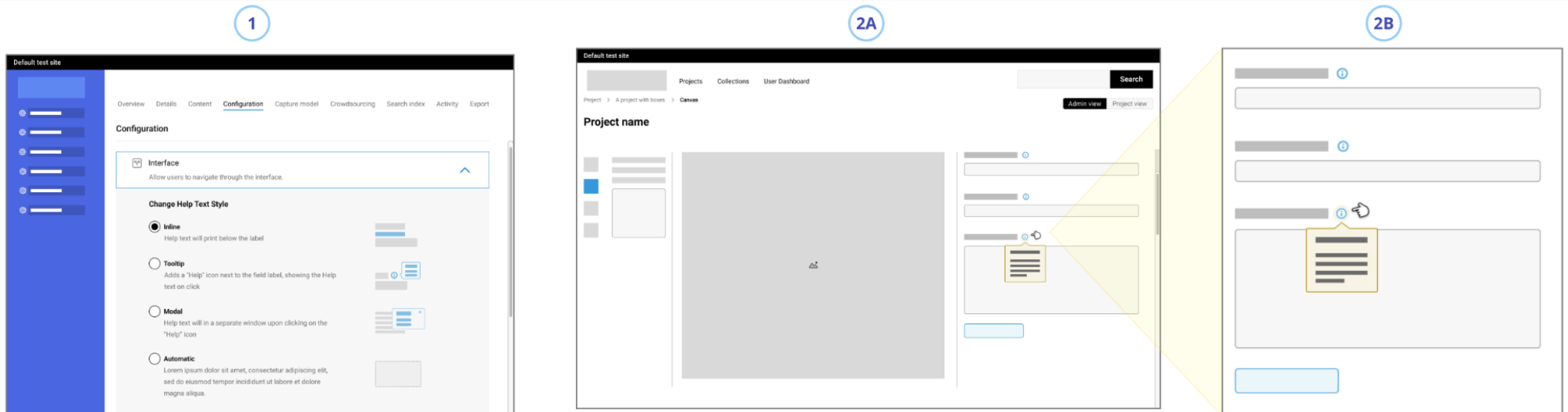
17.4.2

Help text on capture models

★ The additional functionality will work as follows:

1. A new project configuration to change the help text style
2. Inline (default)
3. Tool tip
4. Modal
5. Automatic
6. Automatic will be based on a length we choose based on testing
7. The user will see a "help" icon next to the field label
8. When they click or hover they will see a tooltip or modal (depending on config)

This will enable the required functionality and will continue to work with the capture model translations.



2.3 Worksheet and viewer

17.6

Worksheet and viewer

Madoc provides a viewer that is used both for viewing and creation of annotations. There are a few limitations with the current implementation

1. You cannot annotate while rotating
2. You cannot view external annotations while working on a new piece of work, to avoid confusion.

★ The additional functionality will work as follows:

1. There will be a new icon on the sidebar (compare)
2. It will open the [IIIF Browser](#) with a collection that is derived from the current Project
3. Users will be able to use this to explore other content in the project
4. They will be able to deep zoom
5. Recently viewed items will appear when you re-open that panel on a different page on the same project

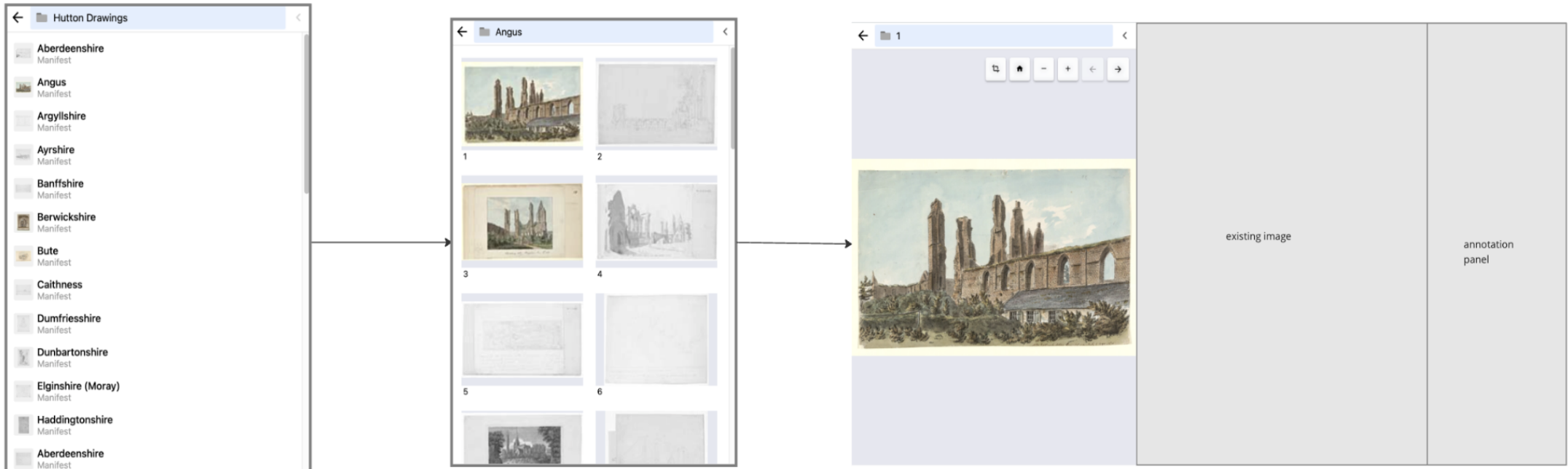
Limitations:

1. No rotation will be provided at this point for the additional image
2. Only one extra image will be viewable (2 total)
3. Annotations/contributions won't be visible on this second image

Technical details

1. IIIF Browser needs to be tested with the versions of libraries that are currently used to ensure they are compatible (v1 vault + parser) - if not it might use a bundled version instead.
2. New site route: Project collection. This might reuse the existing one we use for Mirador
3. Additional functionality might be added to the explorer itself, if required.
4. Bookmarking resources
5. Toggling annotations on canvases
6. Project collection + IIIF Browser may open up a window of opportunity to implement a new page-blocks "field type" to allow you to choose existing content for images etc. This might be explored at the same time.

This will allow for quick referencing of other images, which we understand to be the goal - reusing existing components where possible and without introducing large complexity to the user interface.



2.4 Geïntegreerde termenlijsten / Integrated term lists

17.7

Integrated term lists

★ The additional functionality will work as follows:

1. An admin will be prompted to paste a URL to an endpoint, along with a placeholder value for a search term (e.g. ?q=%)
2. The admin will be prompted to make a test query, so that the JSON can be returned
3. If there is an error, this will be because the response is not JSON or Madoc is not able to connect
4. Once that is validated, the user will be prompted to choose a path to the following:
5. List of results
6. Label within a single result
7. Value/ID within a single result
8. The format for the paths will be dot notation path.to.list with support for numerical items such as path.to.list[0].items
9. This configuration will be saved in the database and a URL will be generated for the terms list

New pages in Madoc admin:

1. Listing existing term configurations
2. Deleting term configurations (no validation if they are being used)
3. Viewing a term configuration (includes an autocomplete to test)
4. Updating a term configuration fields (above)

Following these additions it will still be up to the admin to create projects that use these endpoints and carefully configure the endpoints correctly.

Technical details

1. New database will be created to store the vocab configuration
2. New APIs will be created to manage them
3. Set of admin pages will be created using those APIs

1

Create new term configuration

Here you can link an external vocabulary to a term configuration.
This will allow you to use the vocabulary in your site using the built-in autocomplete.

Example search query

2

Create new term configuration

Here you can link an external vocabulary to a term configuration.
This will allow you to use the vocabulary in your site using the built-in autocomplete.

Example search query

Data preview

Path to list of results

```

{
  "numFound": 798,
  "start": 0,
  "numFoundExact": true,
  "docs": [
    {
      "key": "/works/OL27448W",
      "type": "work",
      "seed": [
        "/books/OL9158246M",
        "/books/OL9177076M",
        "/books/OL7883890M",
        "/books/OL21217116M",
        "/books/OL6165495M",
        "/books/OL24200787M",
        "/books/OL17990125M",
        "/books/OL16539692M",
        "/books/OL5975400M",
        "/books/OL17990125M",
        "/books/OL23795326M",
        "/books/OL5574175M",
        "/books/OL5535578M",
        "/books/OL4382055M",
        "/books/OL20943851M",
        "/books/OL16791443M",
        "/books/OL22917263M",
        "/books/OL10681058M"
      ]
    }
  ]
}
    
```

3

Create new term configuration

Here you can link an external vocabulary to a term configuration.
This will allow you to use the vocabulary in your site using the built-in autocomplete.

Example search query

Data preview

Path to list of results

Path to label

- key
- type
- seed
- title
- title_sort
- title_suggest
- edition_count
- edition_key
- publish_date
- publish_year
- first_publish_year
- number_of_pages_median
- lccn
- publish_place
- oclc
- contributor

Path to URI or identifier

- User enters the URL
- URL is checked to see if we can make a request

- Enter the search value
- The user sees the JSON that comes back

- The user is prompted to add 3 input boxes (labels + descriptions to help guide)

4

Create new term configuration
 Here you can link an external vocabulary to a term configuration.
 This will allow you to use the vocabulary in your site using the built-in autocomplete.

Example search query

Data preview

Path to list of results

Path to label

"The Lord of the Rings"

Path to URI or identifier

```
{
  "key": "/works/OL27448W",
  "type": "work",
  "seed": [
    "/books/OL9158246M",
    "/books/OL9177076M",
    "/books/OL7883890M",
    "/books/OL21217116M",
    "/books/OL4165495M",
    "/books/OL24200787M",
    "/books/OL5975400M",
    "/books/OL17990125M",
    "/books/OL16539692M",
    "/books/OL23795326M",
    "/books/OL5574175M",
    "/books/OL5535578M",
    "/books/OL4382055M",
    "/books/OL2094385M",
    "/books/OL16791443M",
    "/books/OL22917263M",
    "/books/OL10681058M",
    "/books/OL10681579M",
    "/books/OL21392110M",
    "/books/OL22470927M",
    "/books/OL10682160M",
    "/books/OL16539692M"
  ]
}
```

Path to description (optional)

author_key
 author_name
 author_alternative_name
 author_facet

5

Path to list of results

Path to label

"The Lord of the Rings"

Path to URI or identifier

"/works/OL27448W"

Path to description (optional)

author_key
 author_name
 author_alternative_name
 author_facet

Path to resource class (optional)

```
{
  "key": "/works/OL27448W",
  "type": "work",
  "seed": [
    "/books/OL9158246M",
    "/books/OL9177076M",
    "/books/OL7883890M",
    "/books/OL21217116M",
    "/books/OL4165495M",
    "/books/OL24200787M",
    "/books/OL5975400M",
    "/books/OL17990125M",
    "/books/OL16539692M",
    "/books/OL23795326M",
    "/books/OL5574175M",
    "/books/OL5535578M",
    "/books/OL4382055M",
    "/books/OL2094385M",
    "/books/OL16791443M",
    "/books/OL22917263M",
    "/books/OL10681058M",
    "/books/OL10681579M",
    "/books/OL21392110M",
    "/books/OL22470927M",
    "/books/OL10682160M",
    "/books/OL16539692M"
  ]
}
```

6

Path to URI or identifier

"/works/OL27448W"

Path to description (optional)

"J.R.R. Tolkien"

Path to resource class (optional)

"work"

Path to language (optional)

```
{
  "key": "/works/OL27448W",
  "type": "work",
  "seed": [
    "/books/OL9158246M",
    "/books/OL9177076M",
    "/books/OL7883890M",
    "/books/OL21217116M",
    "/books/OL4165495M",
    "/books/OL24200787M",
    "/books/OL5975400M",
    "/books/OL17990125M",
    "/books/OL16539692M",
    "/books/OL23795326M"
  ]
}
```

- As they fill them in, we use their input to validate that *something* came back and the data is mapping correctly

7

Path to URI or identifier

/works/OL27448W

Path to description (optional)

J.R.R. Tolkien

Path to resource class (optional)

work

Path to language (optional)

```

[
  "eng",
  "ita",
  "deu",
  "spa",
  "rus",
  "ces",
  "jpn",
  "fra",
  "bul",
  "slk",
  "cze",
  "swe",
  "pol",
  "sqi"
]

```

8

book

The hitch hiker's guide to LCA
Henrikke Baumann

THE HITCH HIKER'S GUIDE TO THE GALAXY

The Hitch Hiker's Guide to the Galaxy Primary Phase
Adams

The Hitch Hiker's Guide to the Galaxy Secondary Phase
Douglas Adams

The Hitch Hiker's Guide to the Galaxy
Douglas Adams

Works (The Hitch Hiker's Guide to the Galaxy / The Restaurant at the End of the Universe / Life, the Universe and Everything / So Long...

- Once all 3 are valid we show a preview of the autocomplete combo
- They confirm everything

2.5 Projectinformatie / Project information

17.10

Project information

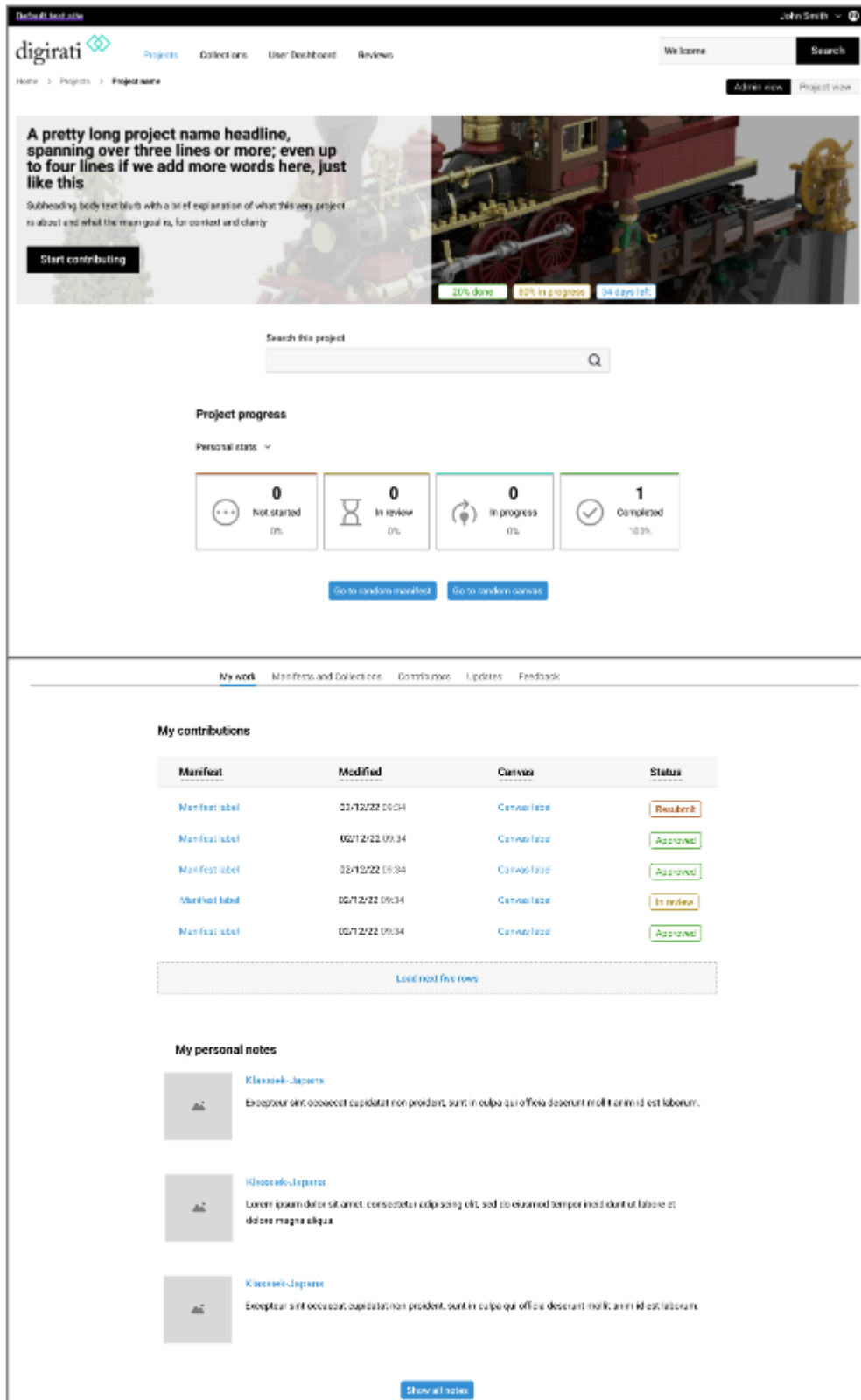
★ Madoc has some existing project information, including the statistics. However this will be part of the storyboarding to expand and include more statistics and information about a project.

17.10.1

Project information

Scoreboard of most active participants

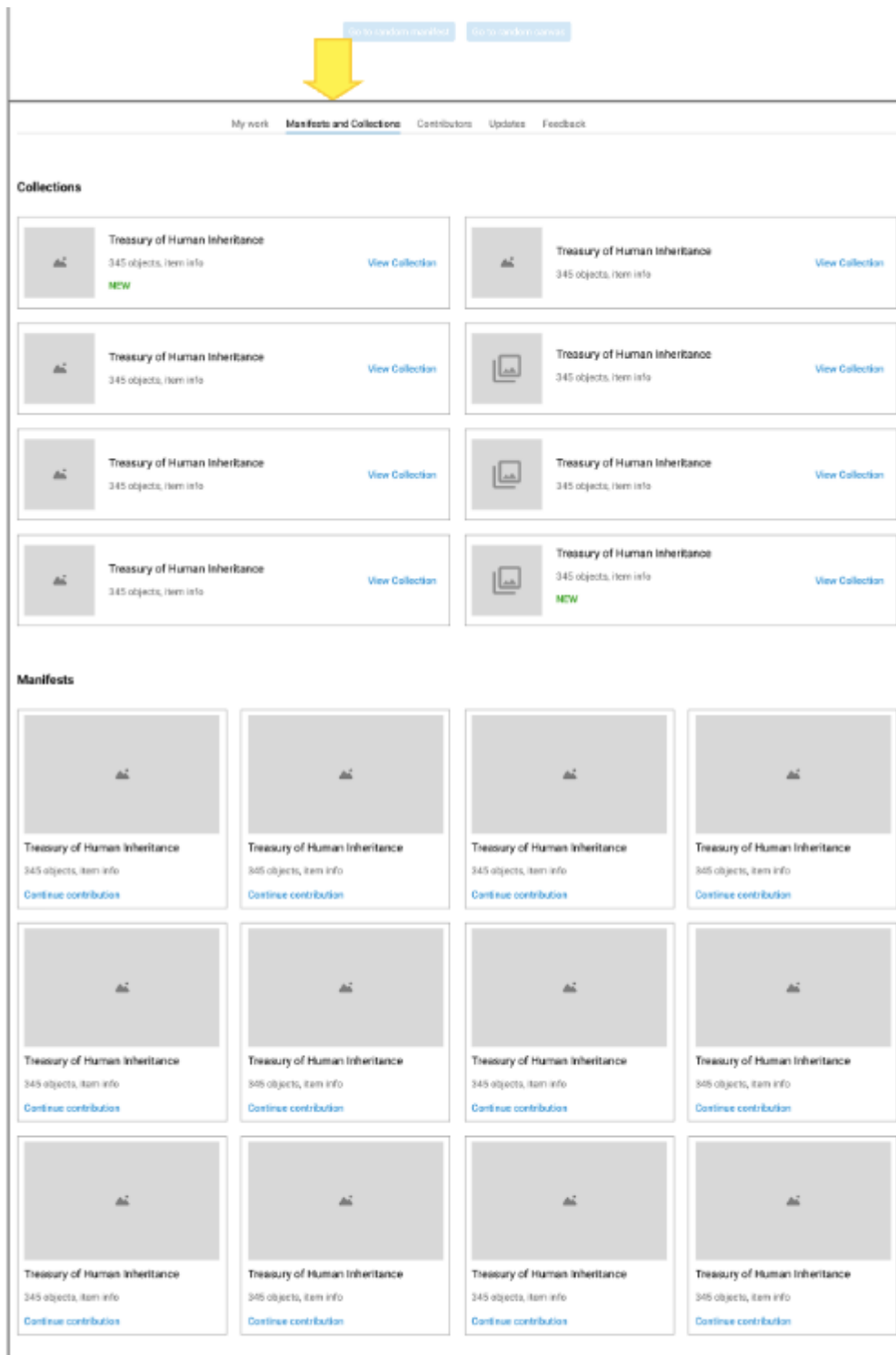
This is a page block that can be added to the project dashboard page.



My Work

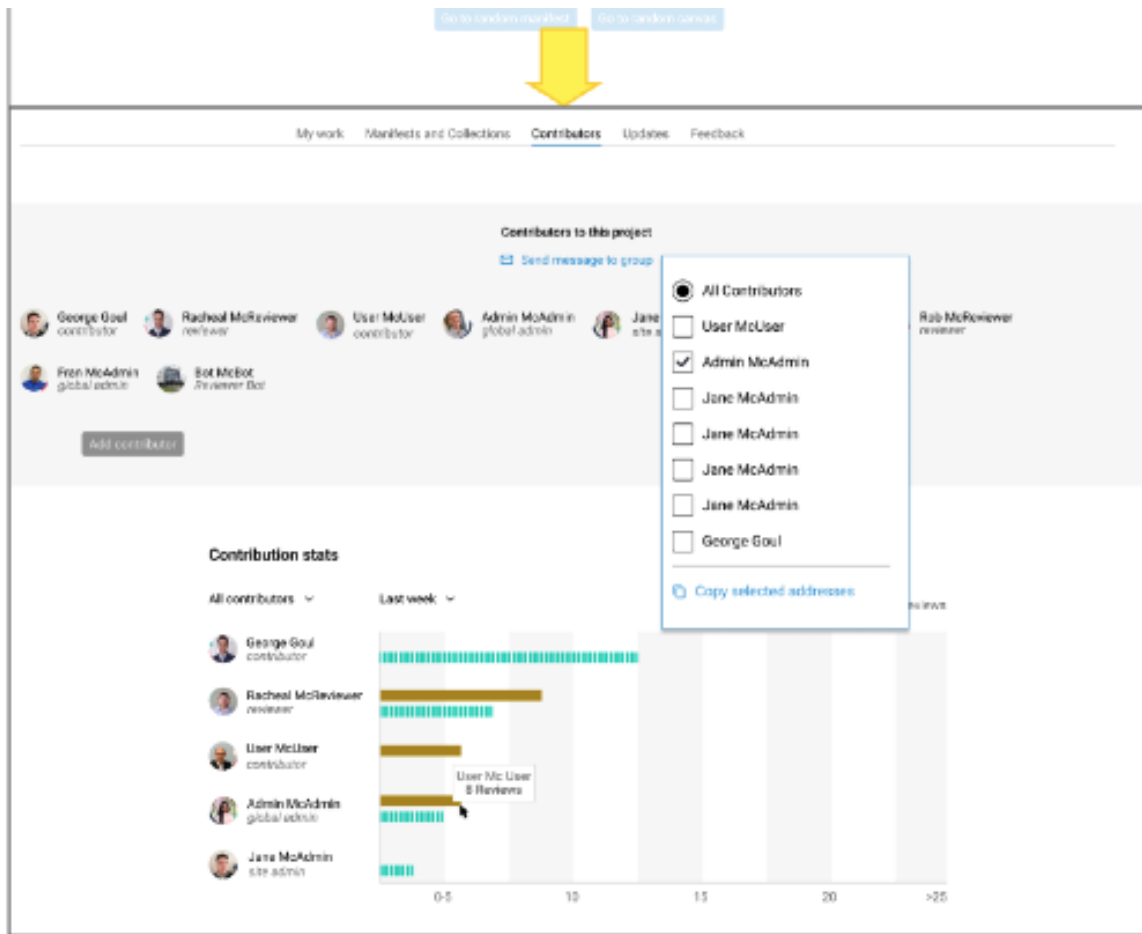
Shows contributions list and personal notes





Manifest and Collections

•• Manifest and Collections all together in one place •••••

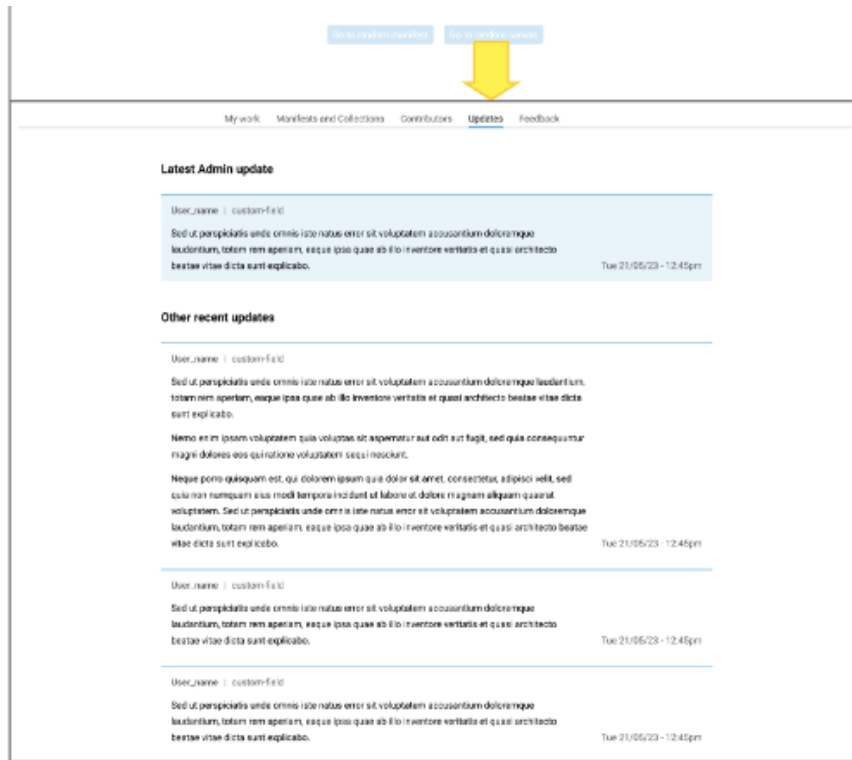


Contributions

Contributions shows the stats (on the work of different members of the team) and allows to message the group or some of the contributors (via email)

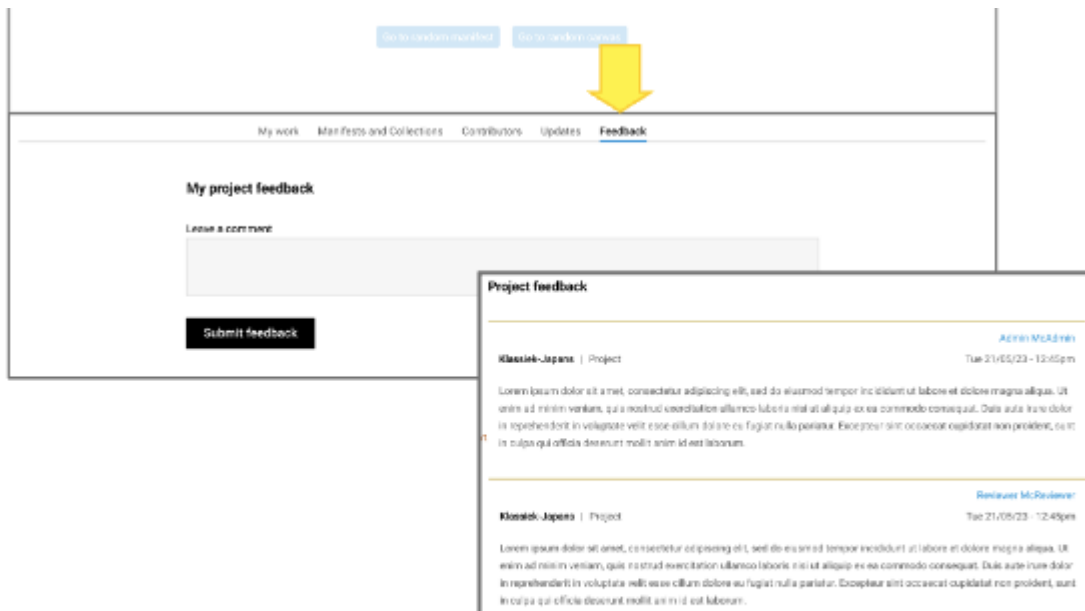


Choice to filter stats



Updates

· An update overview (updates as messages for the team, set by admins) ··



Feedback

Feedback about a project can be given by Contributors and read by Admins

2.6 Structured storage / Auto-save

17.8

Structured storage

Madoc does have a "Save for later" feature, but this does not work automatically. We still want this save for later to be a user choice as it saves to the backend server. However we think that a browser-based auto-save could work to ensure users do not lose their work if they save.

★ The additional functionality will work as follows:

1. Admin will enable "auto-save" in the project configuration
2. When a user is working on something, every so often it will be saved to the users computed (local storage)
3. When the user goes back to that page and loads, if they had previously started working on something, a message will appear prompting them to "continue where you left". If they click on this, then their work will be restored.

⚠ This addresses our concerns that users may use the browser refresh to "reset" the work they are working on and gives them a choice.

This message will be displayed clearly to the user however.

Technical details

1. New config - enabling auto-save for users
2. Possibly bring in dependency to manage local storage similar to Manifest Editor (localForge)
3. We will need to find the right integration point to bring in the auto-saved resources to display the message.
4. Needs to be validated against choices too
5. May also need a window-close and network-close saving hooks, in addition to time-based

2.7 Registration / Registratie en login

17.2

Registration

Madoc has a registration feature, but does not have configurable terms of service.

★ The additional functionality will work as follows:

1. A new site configuration option will be made available for terms of service (text area)
2. If this is present, when a user registers they will be shown the terms and asked to agree
3. There will be a dedicated page with the terms shown
4. A link to that page will be in the footer
5. A new site configuration for a message that is shown above the registration will also be made available
6. Page blocks will not be enabled on the registration and login pages.

⚠ It will be the responsibility of the site owner to inform users if the terms of service change over time and action any GDPR requests and make the GDPR contact information within the terms if required.

Technical details

1. Either driven by existing site configuration OR a new table in the DB (depends on size)
2. The terms and conditions will be markdown for the agreement
3. A new static site page will be created for displaying the terms (markdown) and additional page blocks will be able to be added.

17.2.2

Login

Madoc has a user system that uses a non-unique chosen name and a unique email address.

The user chooses a password. They are emailed upon registration with a link to choose a password to verify the email.

Optionally this link can be generated from the Admin.

3. Architectuur

Na de voorstelling en bijsturing van het storyboard voor elke gevraagde functionaliteit volgde een toelichting bij de architectuur van de Madoc-tool door enkele vertegenwoordigers van Digirati. Daarbij werd ingezoomd op de belangrijkste technische componenten en werd uitleg gegeven bij de algemene structuur. Deze toelichting werd aangevuld in en beschikbaar gemaakt via de [online documentatie](#) ('developers').

Daarnaast is ook voor elk van de gevraagde functionaliteiten technische documentatie uitgewerkt. Deze moet beheerders van crowdsourcingprojecten wegwijs maken in het gebruik en de mogelijkheden van deze nieuwe functionaliteiten.

- [Gebruikersprofiel / User profiles](#)

Het gebruikersprofiel geeft een overzicht van de persoonlijke informatie die door de vrijwilliger/crowdsourcer is ingegeven (naam, e-mailadres, instelling, ...) en van de taken die hij of zij heeft uitgevoerd. Op de profielpagina kan ook aangegeven worden voor wie (de individuele crowdsourcer, de volledige crowd, enkel de beheerders) de opgegeven informatie zichtbaar is. Voor deze proefopstelling werd evenwel nog geen rekening gehouden met GDPR-regelgeving.

- [Hulptekst / Tooltip](#) (Contribution panel)

Instructies bij de uit te voeren taken kunnen met een hulpknop verbonden worden. Dit laat de crowdsourcer toe om uitgebreide instructies door te nemen zonder dat het invulformulier zelf overladen wordt met tekst.

- [Worksheet and viewer](#)

Via een split-view kan de crowdsourcer een extra beeld aan de viewer toevoegen. Zo is het mogelijk om verschillende beelden met elkaar te vergelijken. De afmetingen van de viewer kunnen ook aangepast worden om zo het invulformulier breder en duidelijker zichtbaar te maken.

- [Geïntegreerde termenlijsten / Integrated term lists](#)

Projectbouwers/begeleiders kunnen zelf eigen of externe gestructureerde termenlijsten toevoegen, op voorwaarde dat deze via een specifieke weg bevestigd kunnen worden. Via een auto-complete is het daardoor mogelijk voor crowdsourcers om een link te leggen met deze termenlijsten.

- [Projectinformatie / Project information](#)

Naast een voortgangsbalk en een overzicht van de collecties en manifesten krijgt een crowdsourcer bij elk project een overzicht van de eigen bijdragen, statistieken van de andere deelnemers en updates van het projectteam. Elke deelnemer krijgt ook de mogelijkheid om feedback aan de projectbouwers/begeleiders te bezorgen. Deze bouwers/begeleiders kunnen op hun beurt eenvoudig een e-mail verzenden naar alle deelnemers van het project.

- [Structured storage / Auto-save](#)

Naast een 'opslaan voor later'-knop kan ook een auto-save ingeschakeld worden. Hierdoor wordt elke 10 seconden een kopie van de bijdrage opgeslagen op de local storage van de browser. Indien gewenst kan de crowdsourcer de vorige versie herstellen.

- [Registration / Registratie en login](#)

Projectbouwers/begeleiders kunnen een pagina met gebruiksvoorwaarden toevoegen aan de projectsite. Elke nieuwe crowdsourcer wordt bij registratie gevraagd om de gebruiksvoorwaarden door te nemen en hiermee akkoord te gaan. Wanneer de gebruiksvoorwaarden wijzigen, krijgt elke gebruiker hiervan een melding in een pop-upvenstertje. Gegevens over het al dan niet akkoord gaan met de gebruiksvoorwaarden worden opgeslagen en kunnen gebruikt worden om de toegang tot bepaalde functionaliteiten toe te staan of, daarentegen, te ontfemen.