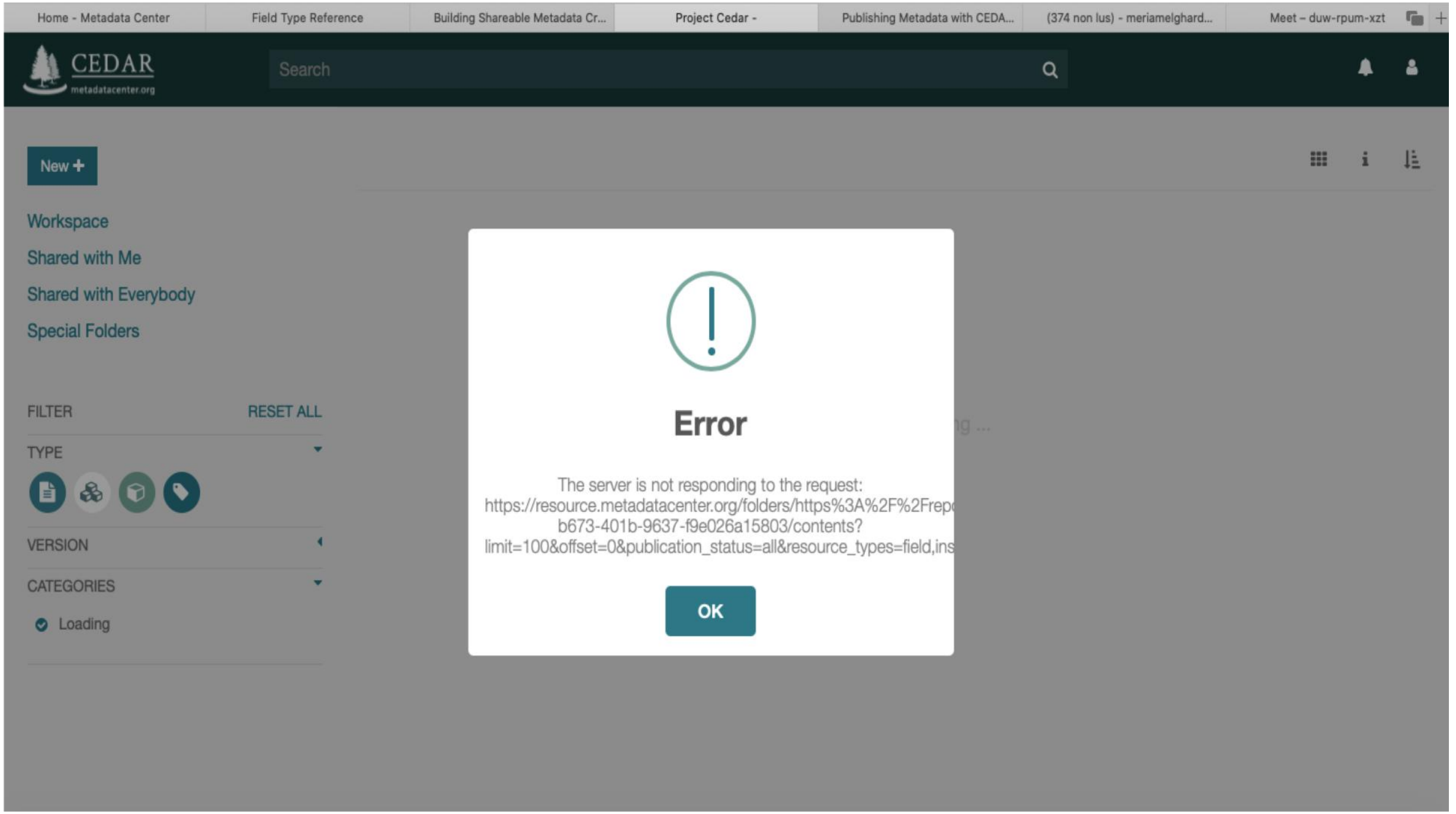
VODAN-THE USE OF CEDAR PLATEFORM:EXPERIENCE OF TUNISIA

Prof:Mariem Ghardallou
Ms :Zohra Touati
University of Sousse (Tunisia)

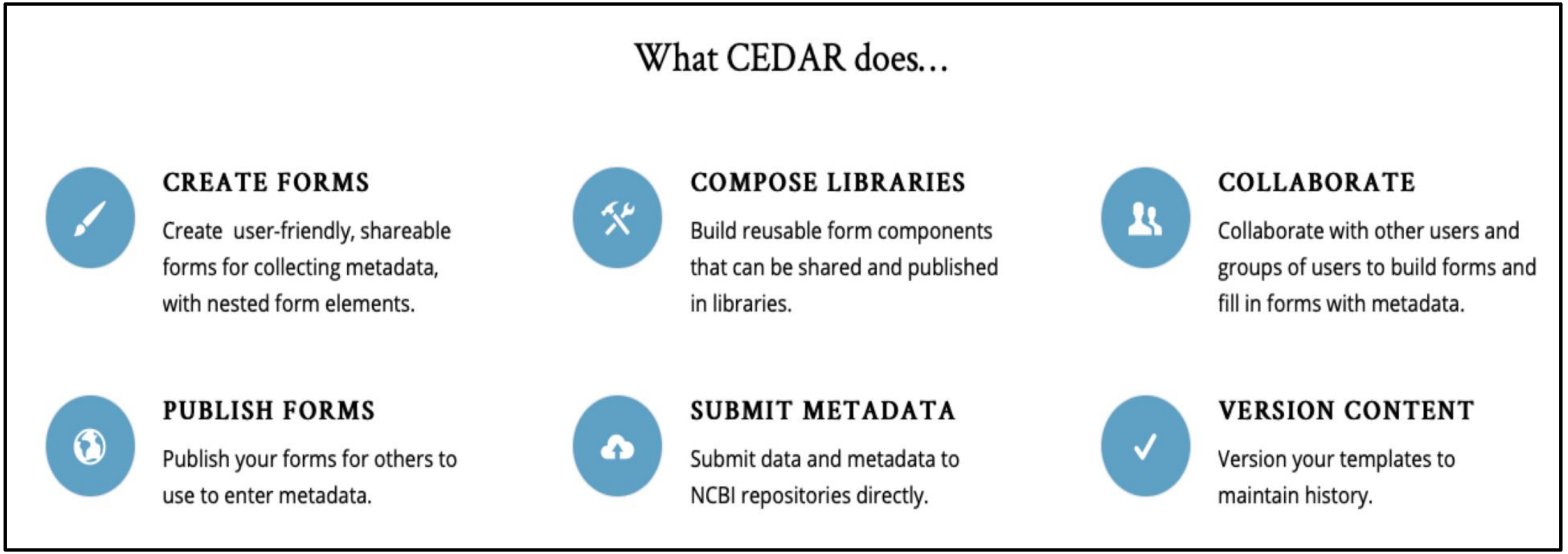

Home - Metadata Center
Field Type Reference
Building Shareable Metadata Cr...
Project Cedar -
Publishing Metadata with CEDA...
(374 non lus) - meriamelghard...
Meet – duw-rpum-xzt
CEDAR
metadatacenter.org
Search
New +
Workspace
Shared with Me
Shared with Everybody
Special Folders
FILTER
RESET ALL
TYPE
VERSION
CATEGORIES
Loading
Error
The server is not responding to the request:
https://resource.metadatacenter.org/folders/https%3A%2F%2Frepo
b673-401b-9637-f9e026a15803/contents?
limit=100&offset=0&publication_status=all&resource_types=field,ins
OK

ABOUT CEDAR

- CEDAR: Center for Expanded Data Annotation and Retrieval
- was established in 2014 to create a computational ecosystem for development, evaluation, use, and refinement of biomedical metadata.
- Approach: is based on the use of *metadata templates* → this later define the data elements needed to describe particular types of biomedical researches.
- The templates include controlled terms and synonyms for specific data elements.

Reference: https://metadatacenter.org

WHAT CEDAR DOES…..



Reference: https://metadatacenter.org

MAKING METADATA WITH CEDAR

3 steps that we can perform with CEDAR:

1- Decide on the Metadata to collect and make or find a form: Create or find metdata form→ With the use of controlled terms according to Bioportal

2- When we complete the creation of the MD form, we start entering metadata into the form based on the template

3- Copy the form where it needs to go :submission and publishing MD form in a target locations and repositories (FDP)

Making Metadata with CEDAR: https://www.youtube.com/watch?v=Inyf5hOCwAU

I- CREATION OF THE TEMPLATE/FORM

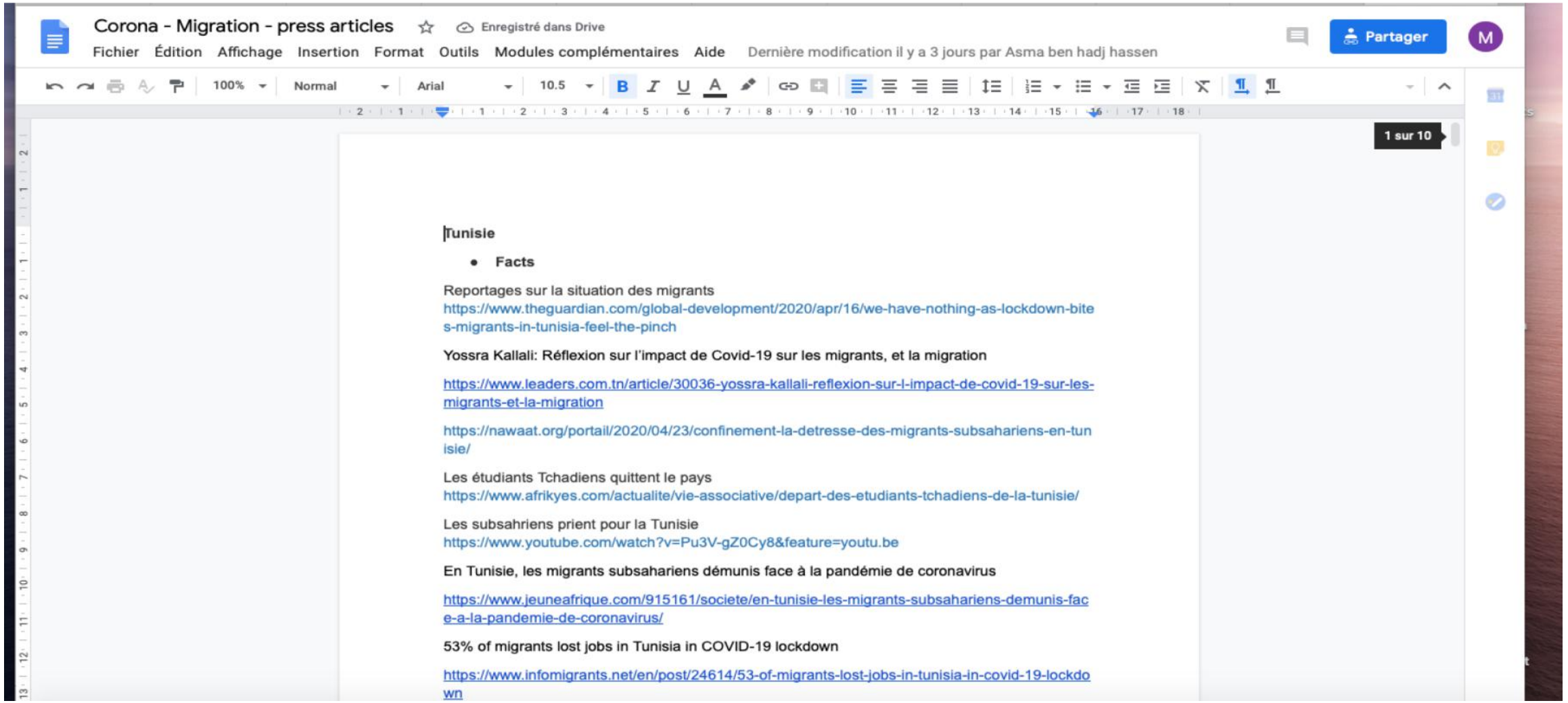
VODAN-MD –MIGRANTS-TUNISIA

- The Tunisia-FAIR Data Point contains the metadata of datasets and other artefacts related to the impact of COVID-19 crisis on health, social situation and mobility status of migrants from subshara Africa , hosted in Tunisia.

- Two catalogs that will contain:

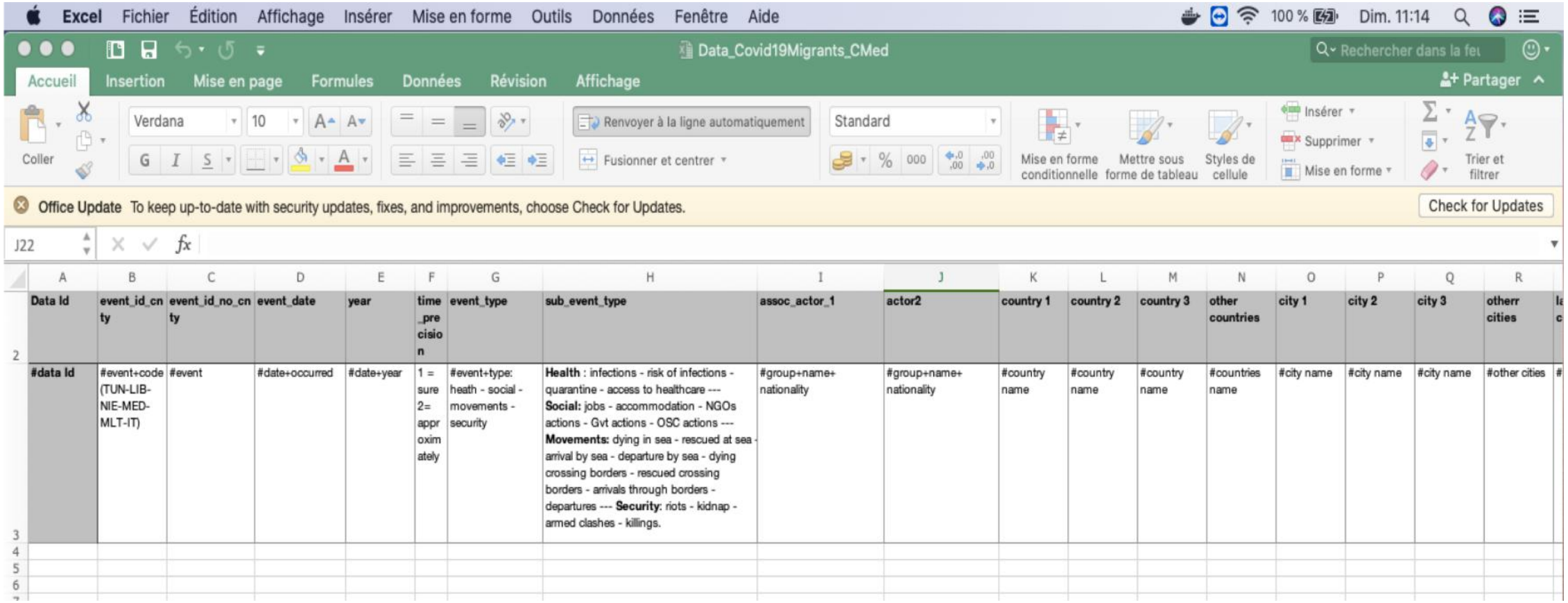
- national and international media reports published during the COVID-19 crisis and reporting events about migrants in Tunisia
- transcripted interviews conducted among migrants in Tunisia

VODAN-DATA –MIGRANTS-TUNISIA



VODAN-MD –MIGRANTS-TUNISIA

1st step: Decide on the Metadata to collect



Excel Fichier Édition Affichage Insérer Mise en forme Outils Données Fenêtre Aide — 100 % — Dim. 11:14

Data_Covid19Migrants_CMed

Accueil | Insertion | Mise en page | Formules | Données | Révision | Affichage | Partager

Verdana | 10 | Renvoyer à la ligne automatiquement | Standard | Fusionner et centrer | Mise en forme conditionnelle | Mettre sous forme de tableau | Styles de cellule | Insérer | Supprimer | Mise en forme | Trier et filtrer

Office Update To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates. — Check for Updates

J22

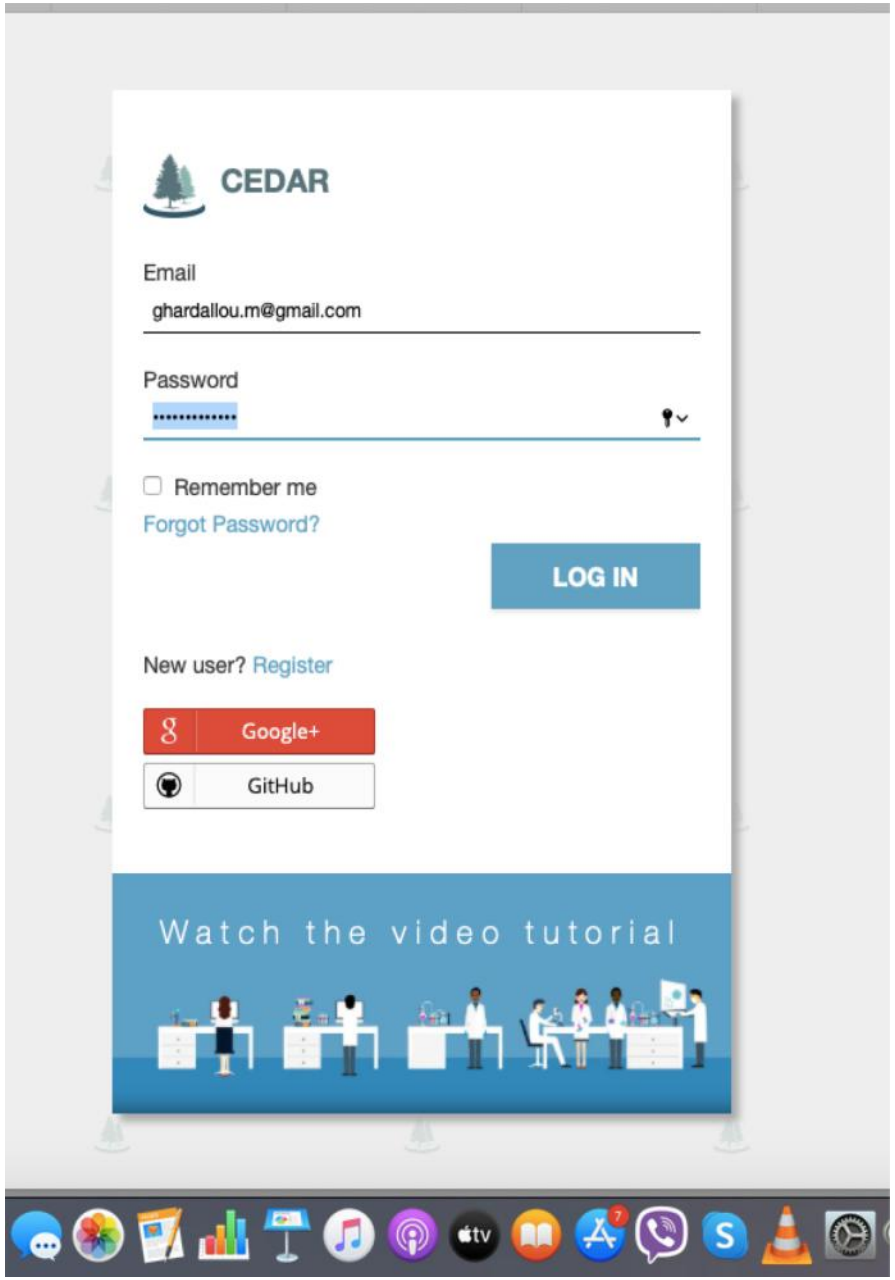
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Data Id	event_id_cnty	event_id_no_cnty	event_date	year	time_precision	event_type	sub_event_type	assoc_actor_1	actor2	country 1	country 2	country 3	other countries	city 1	city 2	city 3	otherr cities
3	#data Id	#event+code (TUN-LIB-NIE-MED-MLT-IT)	#event	#date+occurred	#date+year	1 = sure 2= approximately	#event+type: heath - social - movements - security	**Health** : infections - risk of infections - quarantine - access to healthcare --- **Social:** jobs - accommodation - NGOs actions - Gvt actions - OSC actions --- **Movements:** dying in sea - rescued at sea - arrival by sea - departure by sea - dying crossing borders - rescued crossing borders - arrivals through borders - departures --- **Security:** riots - kidnap - armed clashes - killings.	#group+name+nationality	#group+name+nationality	#country name	#country name	#country name	#countries name	#city name	#city name	#city name	#other cities	
4																		
5																		
6																		

VODAN-MD –MIGRANTS-TUNISIA

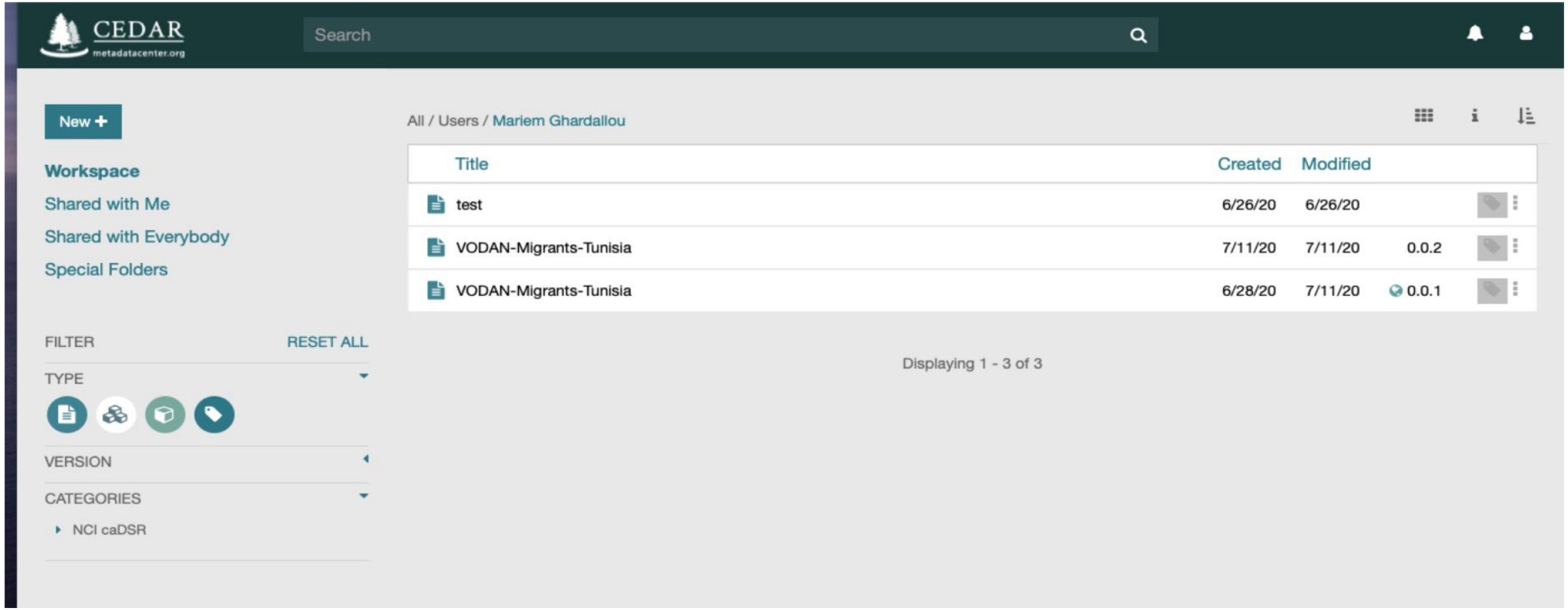
1st step: Make or find a form

Given that we didn't find an exiciting form or template in the CEDAR repository that meet the goal of our work, we try to create a form specific to our research.

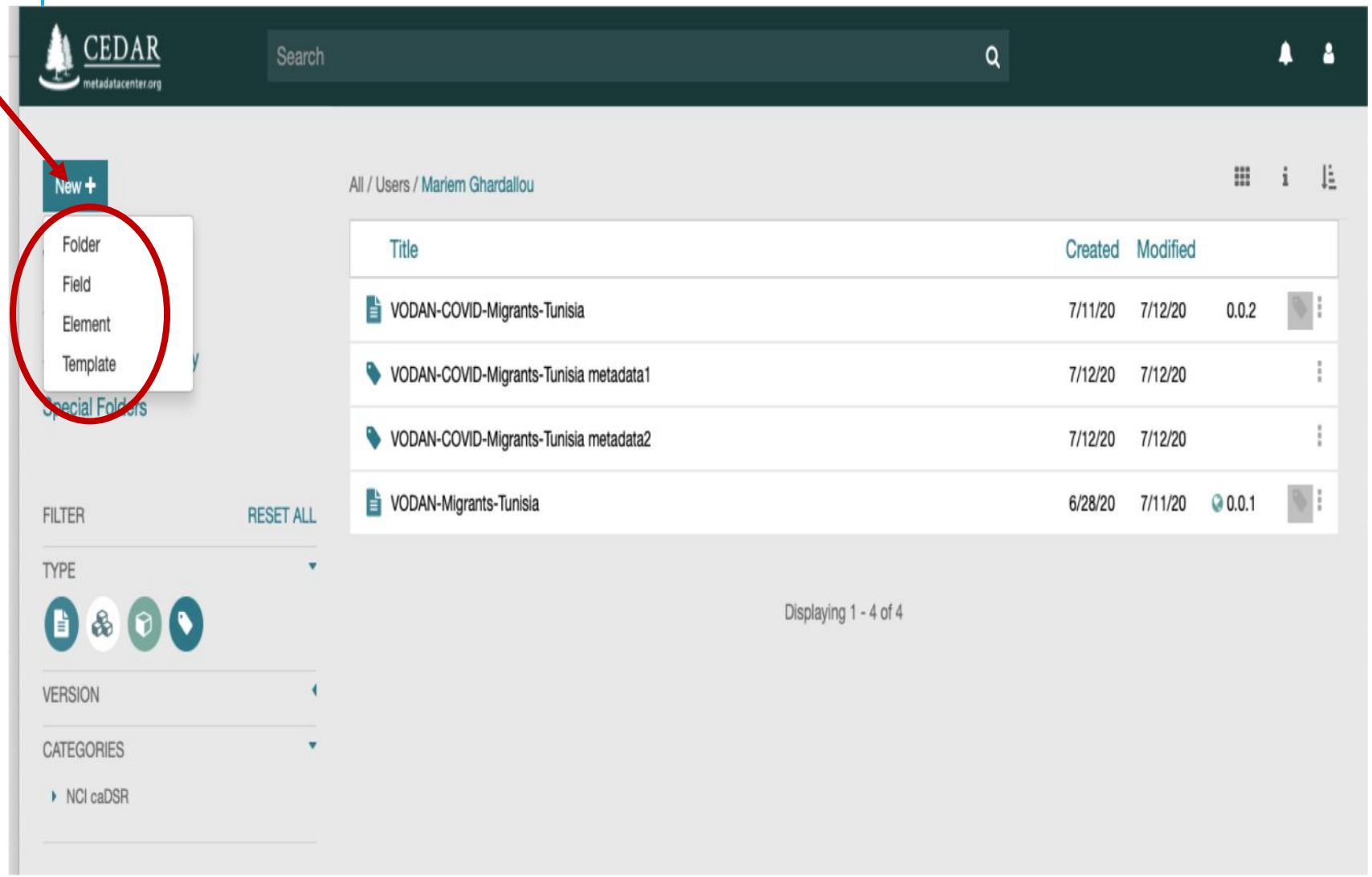
So, an account in CEDAR was created



THE WORK SPACE ON CEDAR



THE CREATION A NEW TEMPLATE

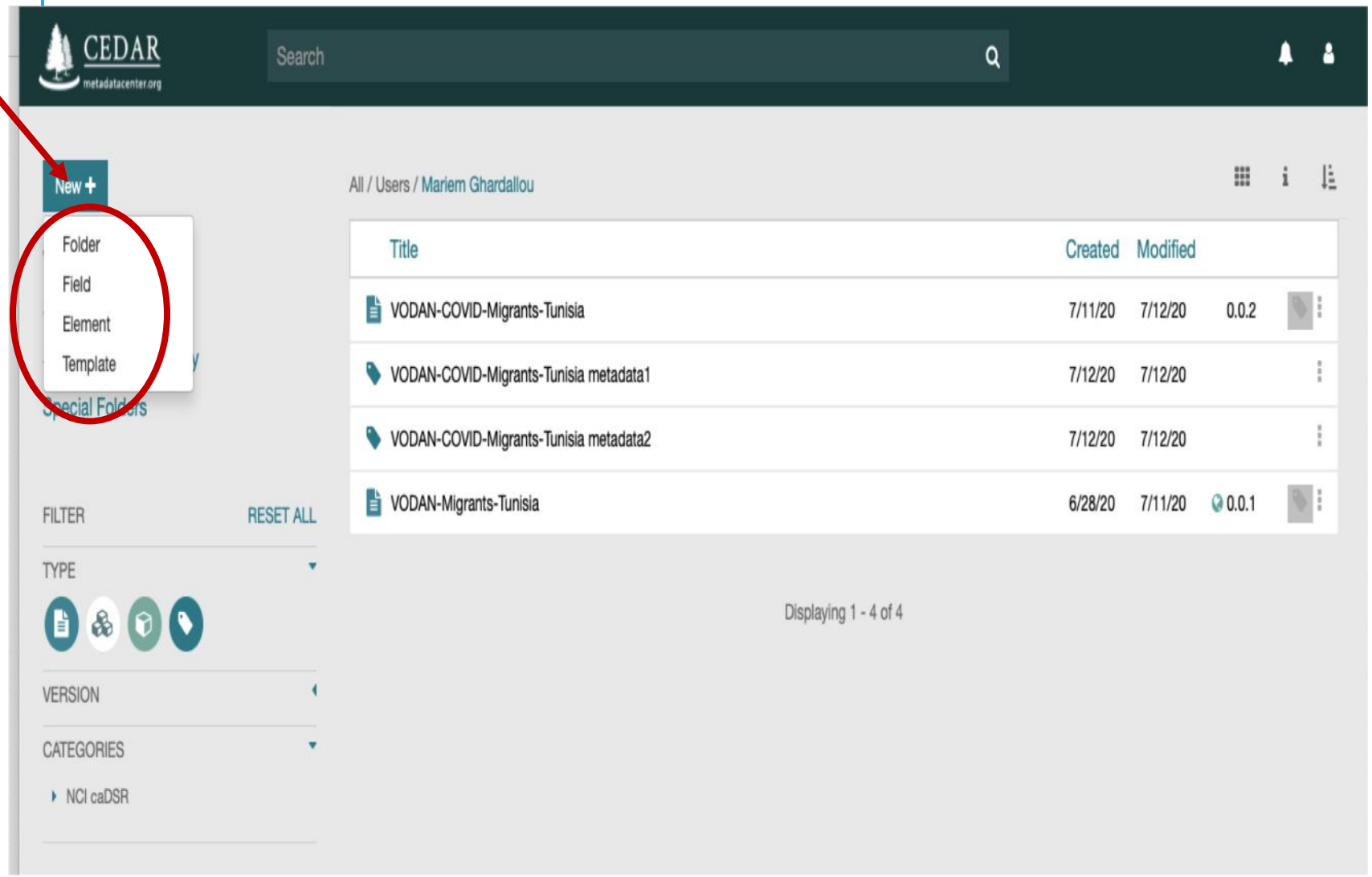


Template =Form

It contain individual questions **(Fields)**

The collections of those fields called **Metadata Elements**

THE CREATION A NEW TEMPLATE

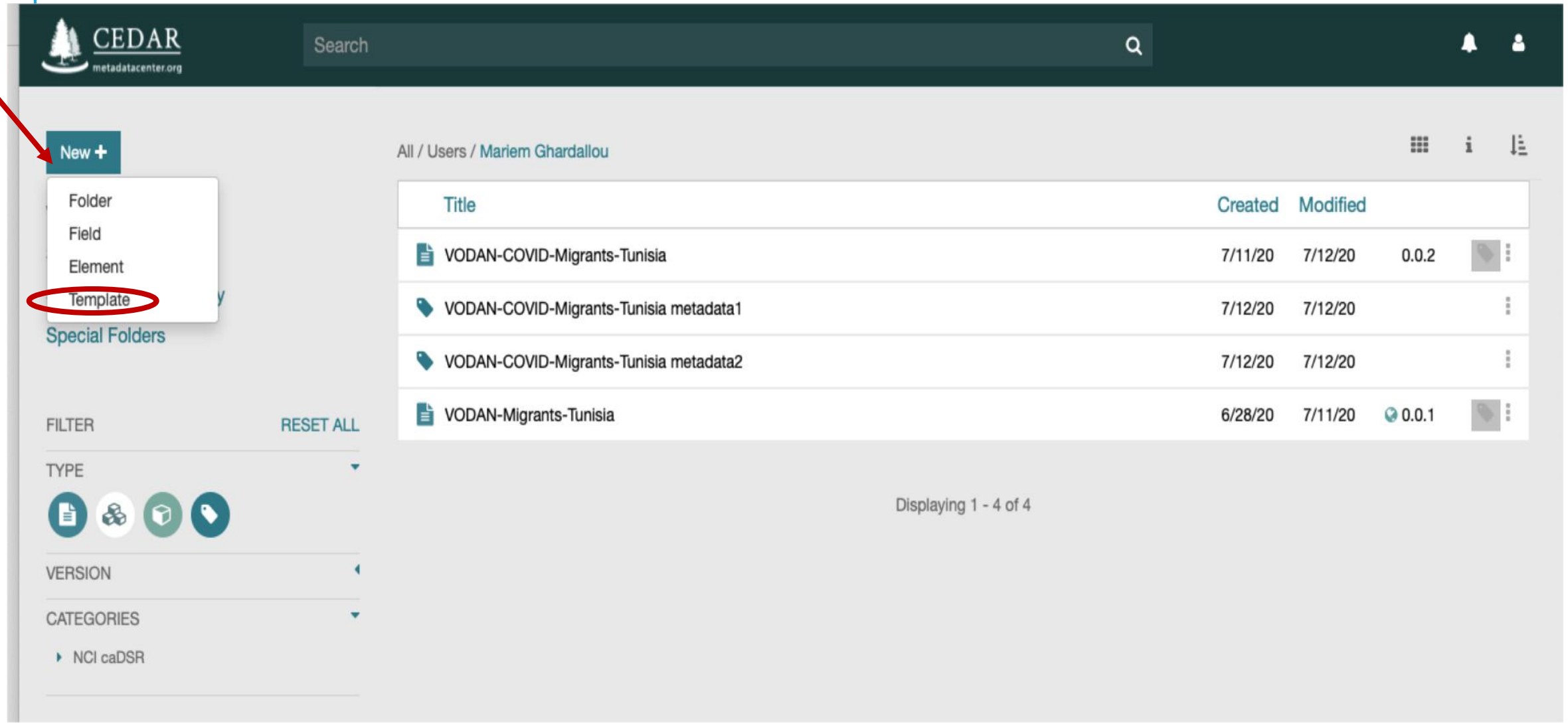


3 goals for the CEDAR Metadata Template :

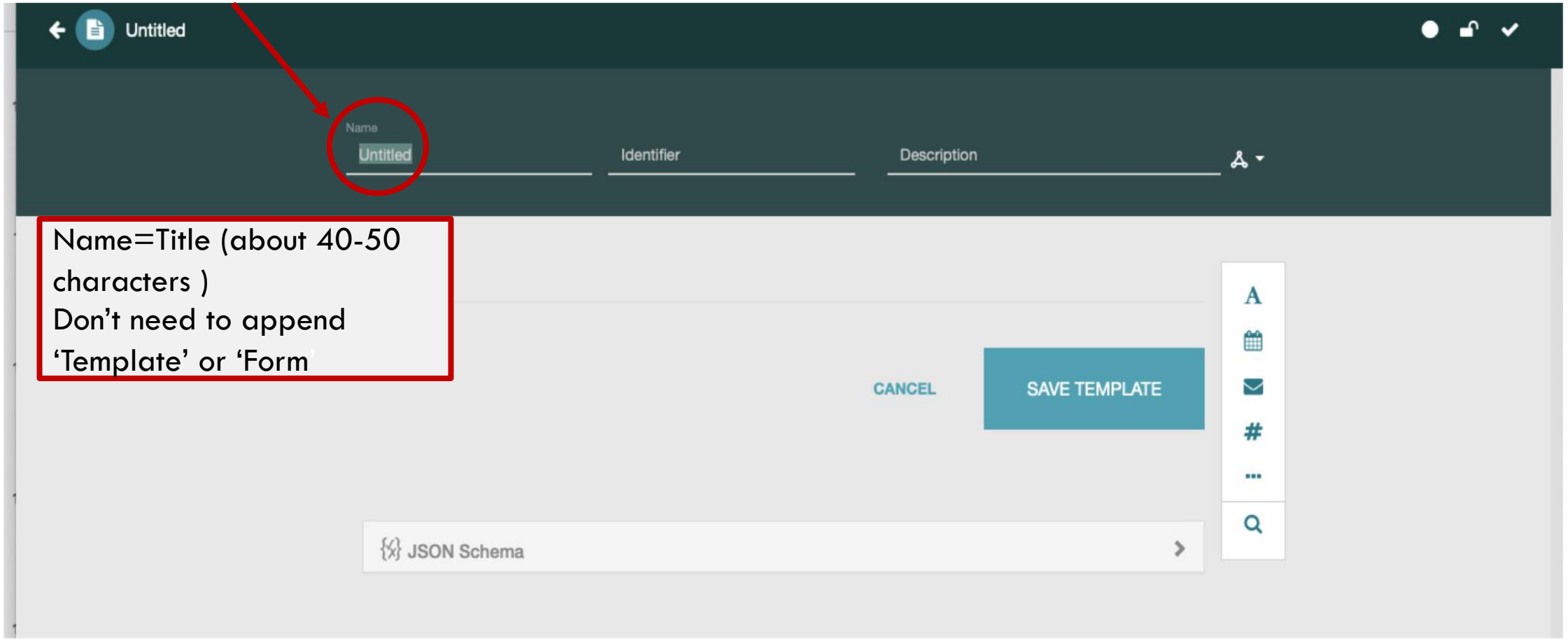
- **defining the template questions**
- documenting **the order** in which the questions and elements will appear
- describing **the template artifact** (name, provenance including creation and update times, and other characteristics.

HOW TO BUILT A BASIC METDATA TEMPLATE?

THE CREATION A NEW TEMPLATE



1ST STEP: PROVIDING A HUMAN-READABLE LABEL, A UNIQUE IDENTIFIER, AND A DESCRIPTION OF WHAT THE TEMPLATE RESOURCE REPRESENTS



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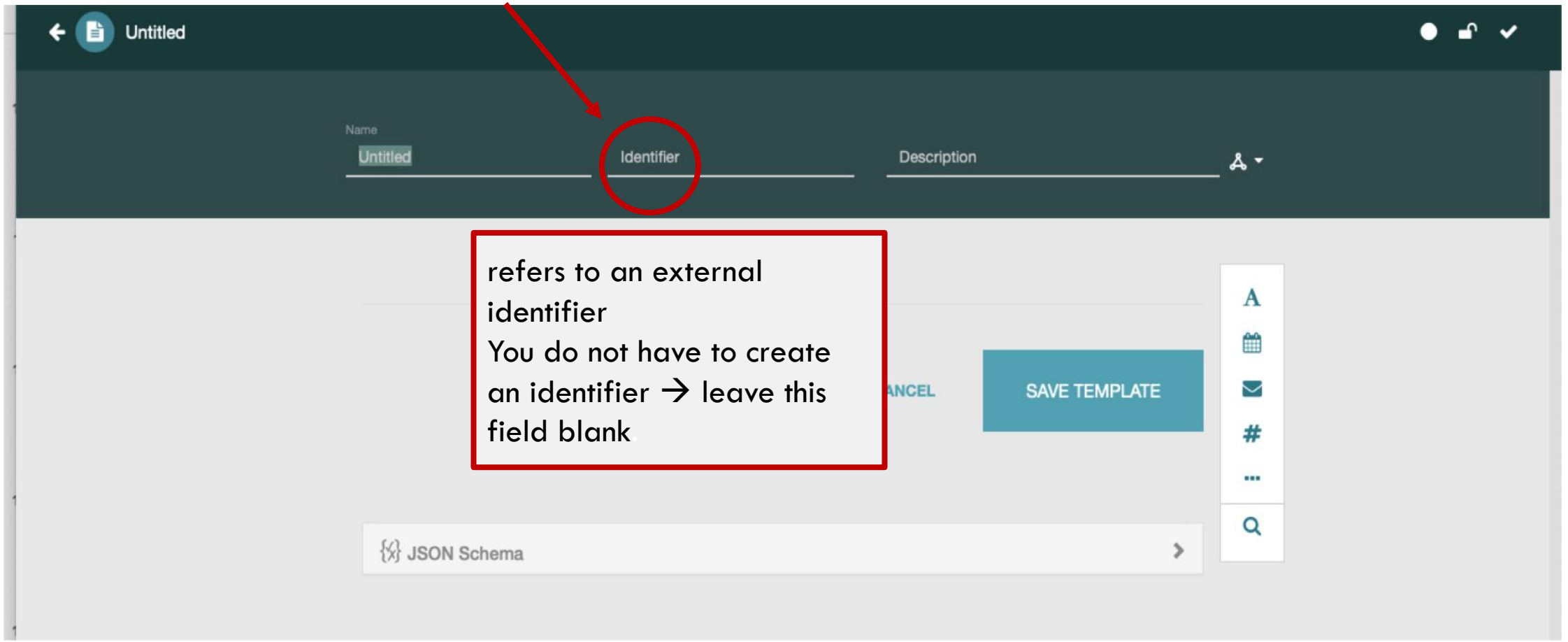

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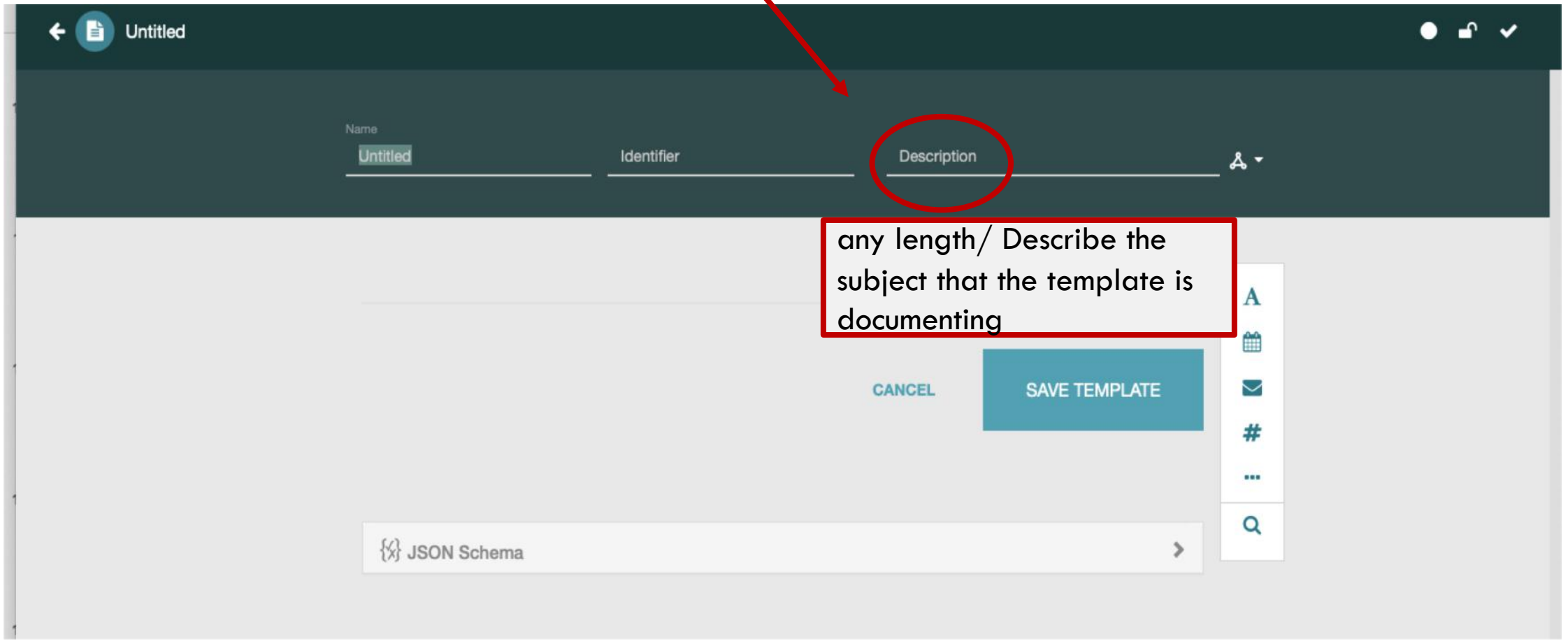

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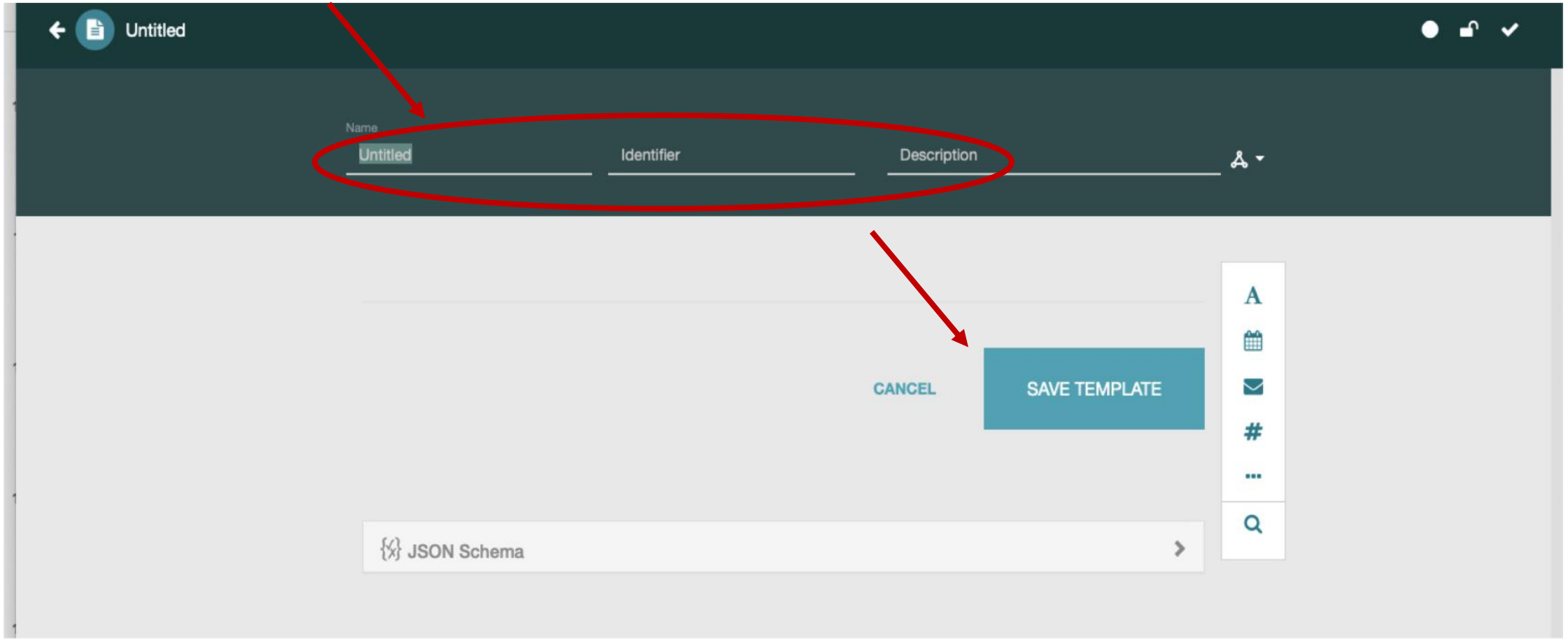

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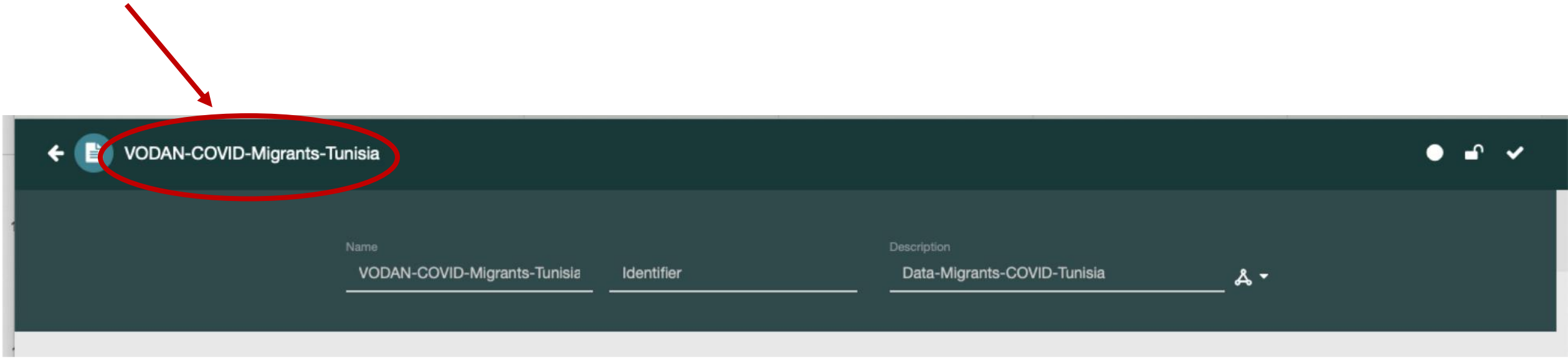


2ND STEP: ADDING FIELDS

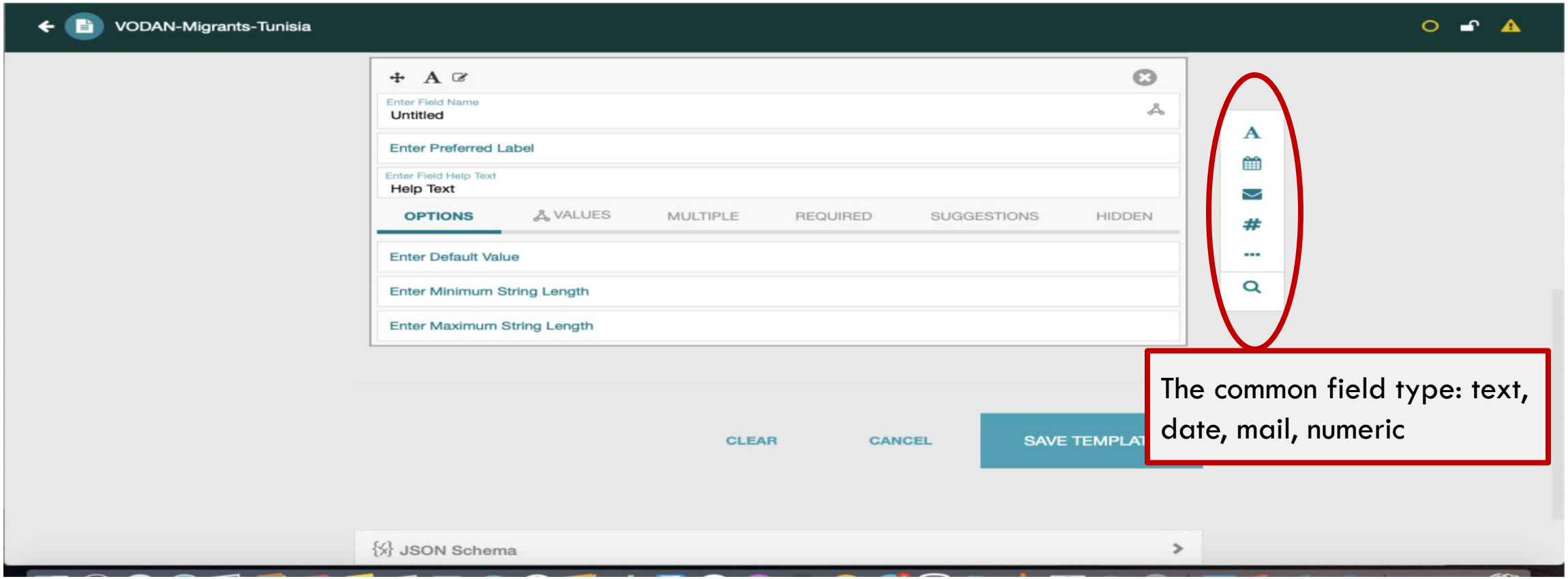
2ND STEP: ADDING FIELDS

2 ways:

- by importing a stand-alone Field artifact which was created separately
- by defining a field within an Element resource or a Template resource.

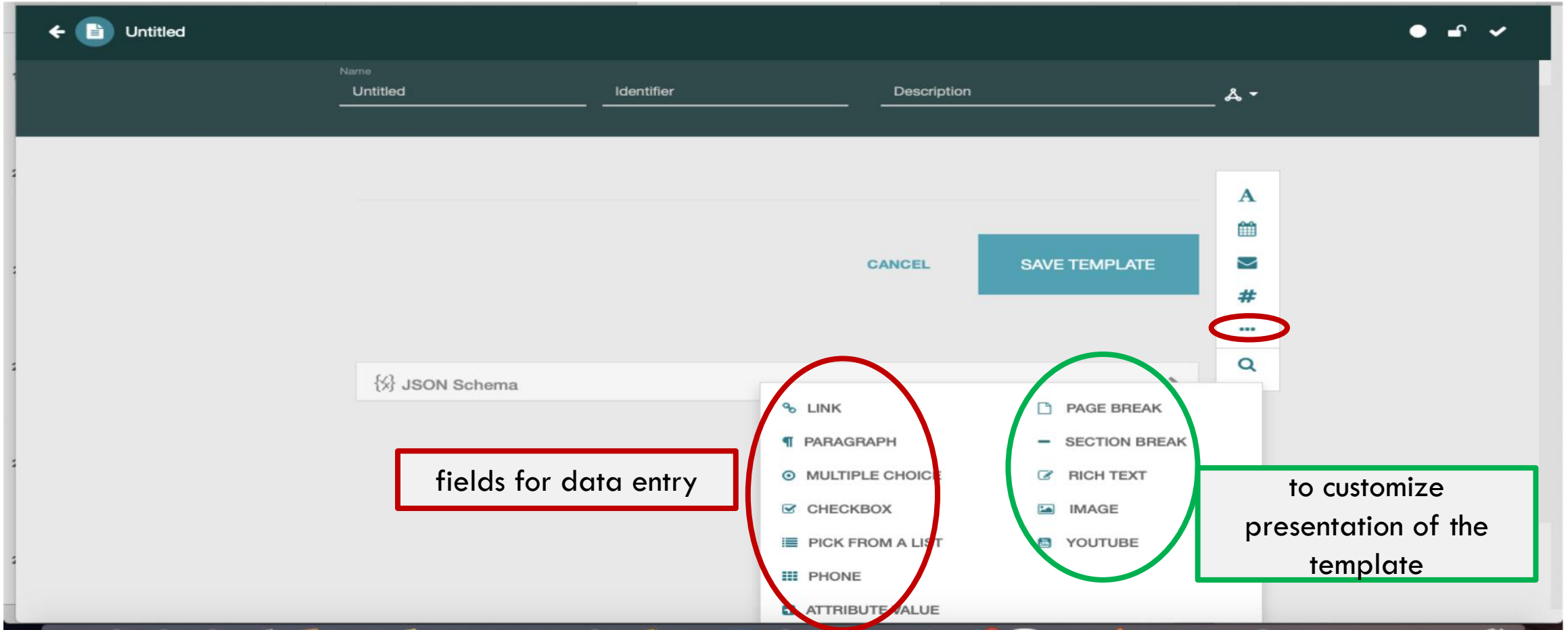
2ND STEP: ADDING A FIELD DEFINITION

To choose the type of file to add to the template → use the **vertical selector** at the upper right of the Template Designer window.



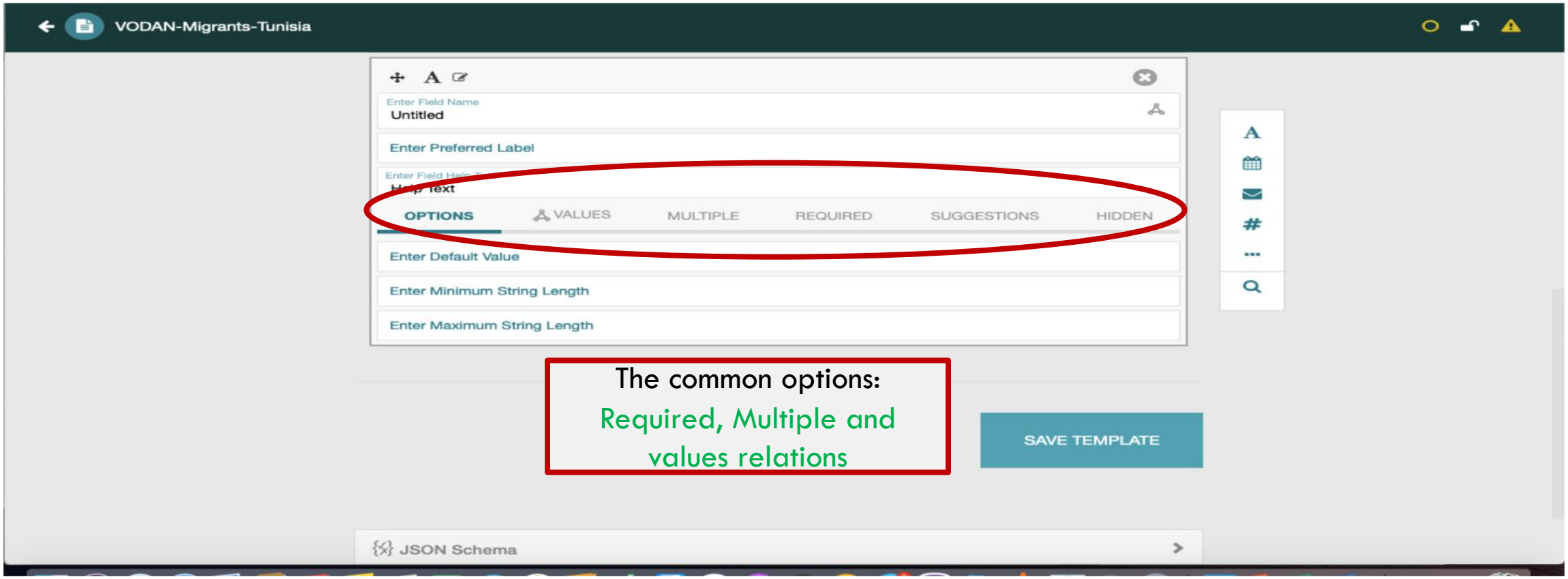
2ND STEP: ADDING A FIELD DEFINITION

To choose the type of file to add to the template → click on the ellipsis (three dots) icon to bring up many more field choices.



2ND STEP: CHOOSING AND CONFIGURING THE FIELD DEFINITION

For each data-entry field type, CEDAR supports certain options

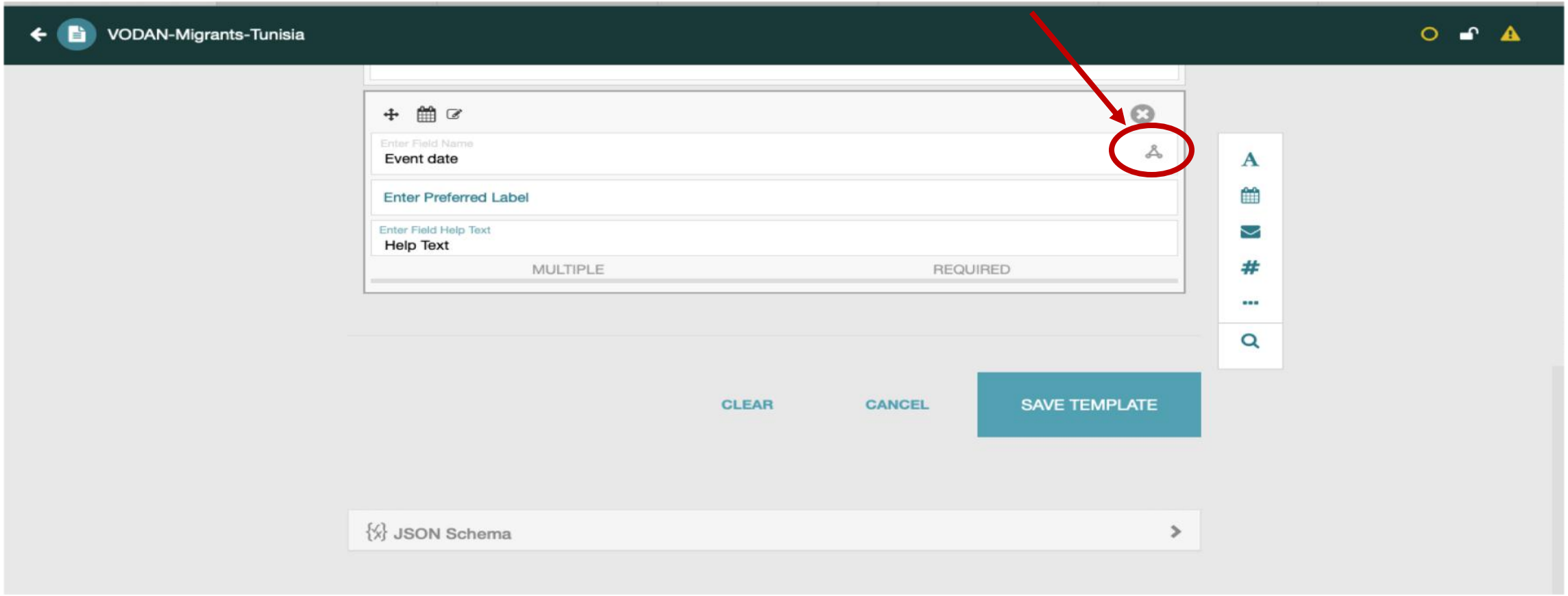


Unique Field Type	Data Type(s)	Unique Supported Customizations
Short Text		Values; Suggestions; Hidden; Default
Paragraph Text		
Email		
Phone		
Link		
Numeric	any number (xsd:decimal); integer (xsd:integer); long integer (xsd:long); single-precision real (xsd:float); double-precision real (xsd:double)	Unit of Measure, Minimum Value, Maximum Value, Decimal Places
Date	xsd:date	
Multi-Choice		Default; *no Multiple*
Checkbox		Default; *no Multiple*
Pick From List		Single Select vs Multi-Select; Default; *no Multiple*

Special Field Type	Description	Purpose
Section	Creates a section break	Provides a textual separator with optional explanatory text
Page	Creates a page break	Breaks up form into multiple pages (screens) when entering metadata
Rich Text	Support entry of rich text in HTML	Provide a descriptive lead-in to the *following* field for metadata creators
Image	Specify location of an image to display	Provide a static visual lead-in to the following field for metadata creators
YouTube	Specify location of a YouTube video to display	Provide a video lead-in to the following field for metadata creators

2ND STEP: CHOOSING AND CONFIGURING THE FIELD DEFINITION

For each field , we have to specify a name →Controlled terms (Bioportal ontologies)



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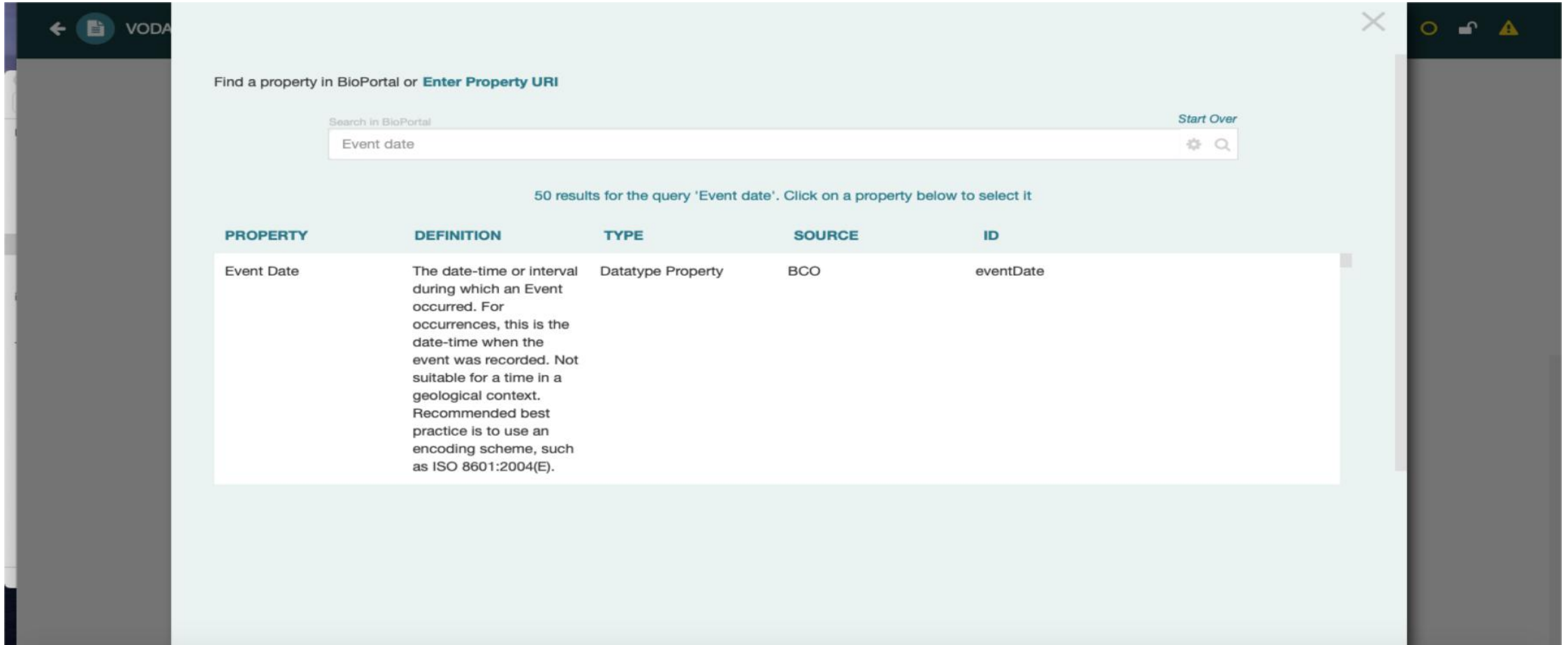

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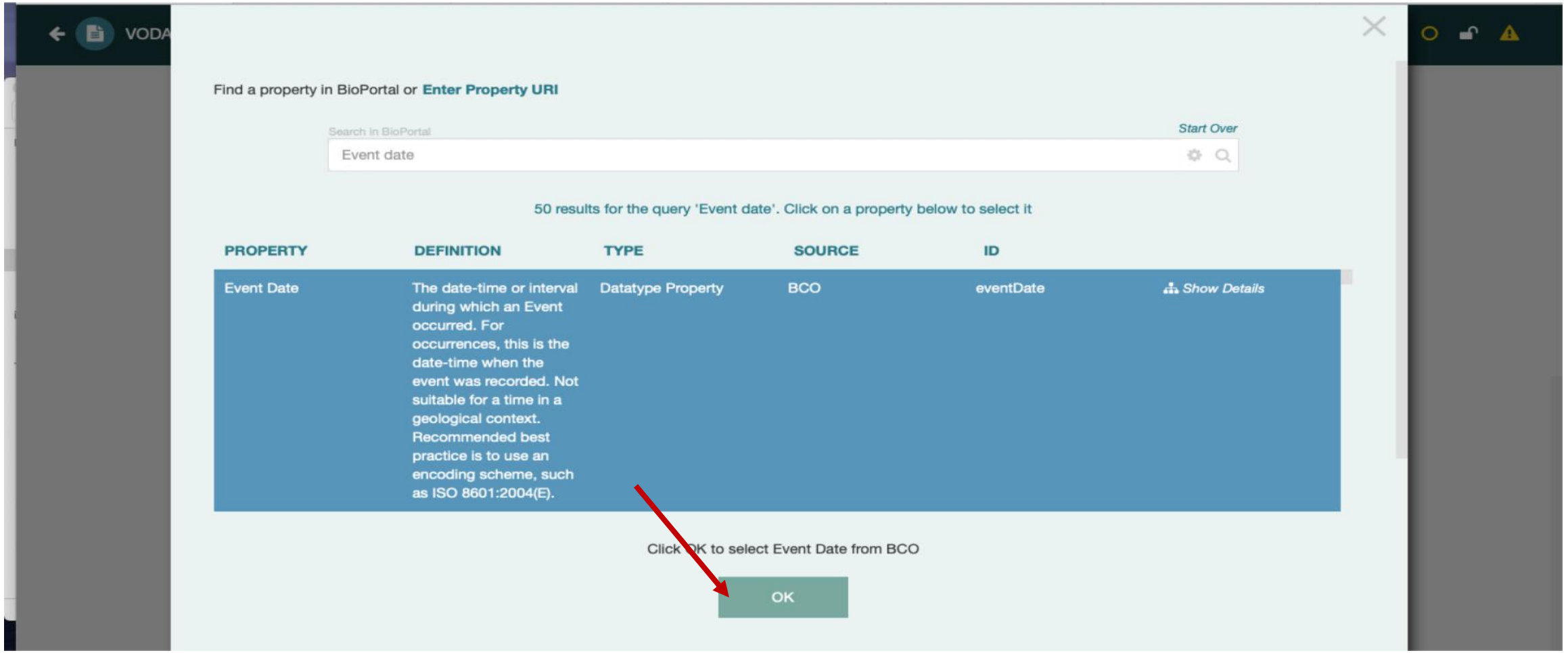

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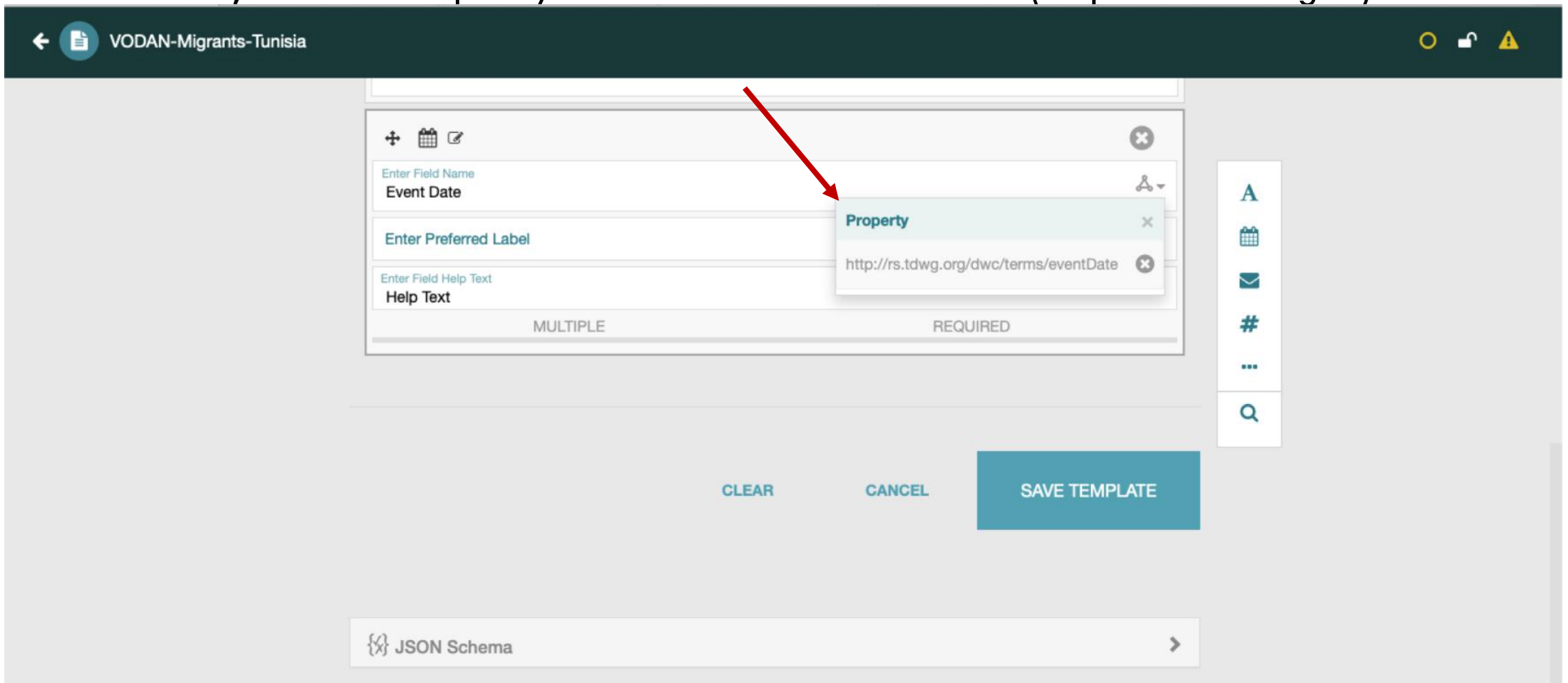
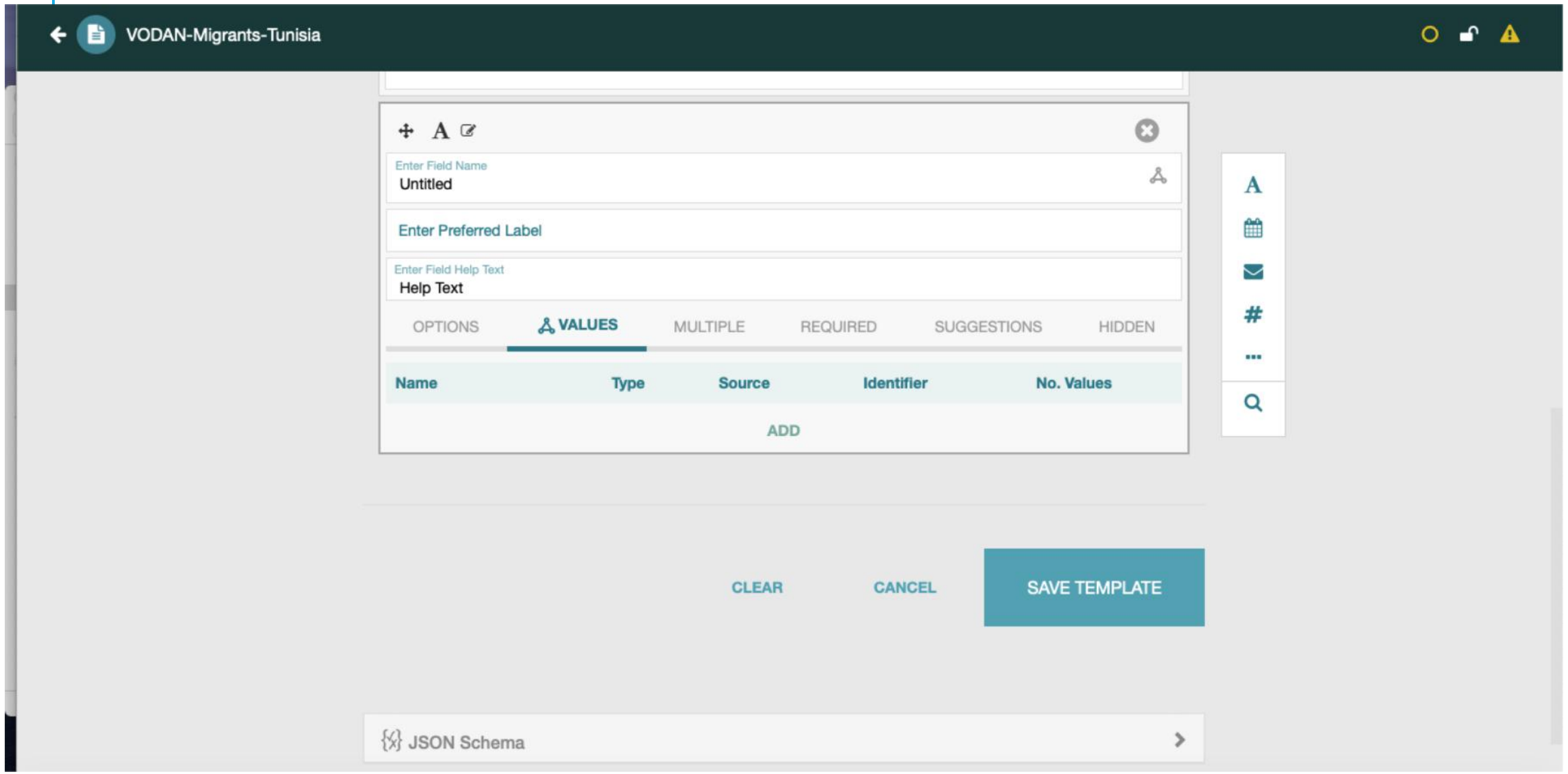
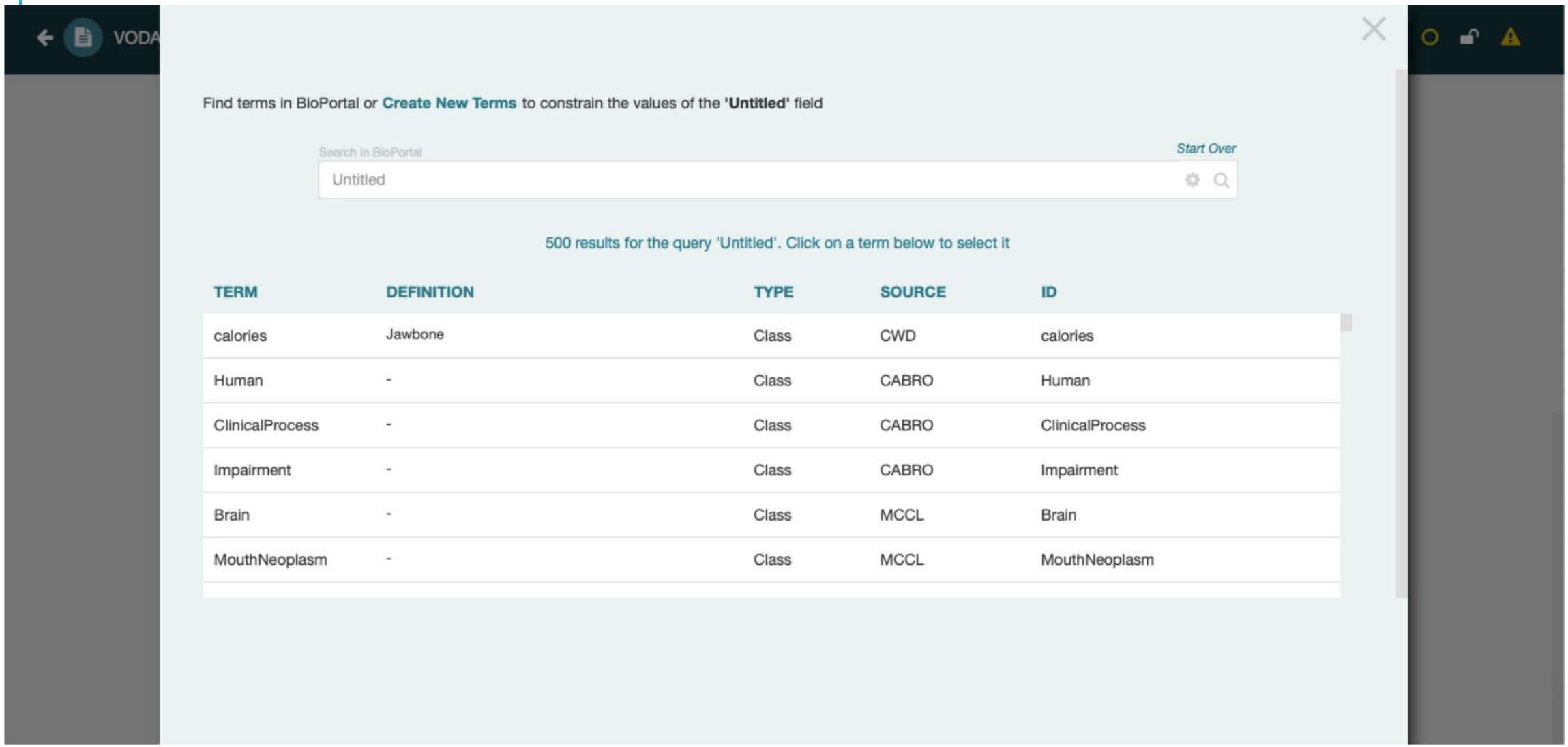


TEXT FIELD


VODAN-Migrants-Tunisia
Enter Field Name
Untitled
Enter Preferred Label
Enter Field Help Text
Help Text
OPTIONS
VALUES
MULTIPLE
REQUIRED
SUGGESTIONS
HIDDEN
Name
Type
Source
Identifier
No. Values
ADD
CLEAR
CANCEL
SAVE TEMPLATE
JSON Schema

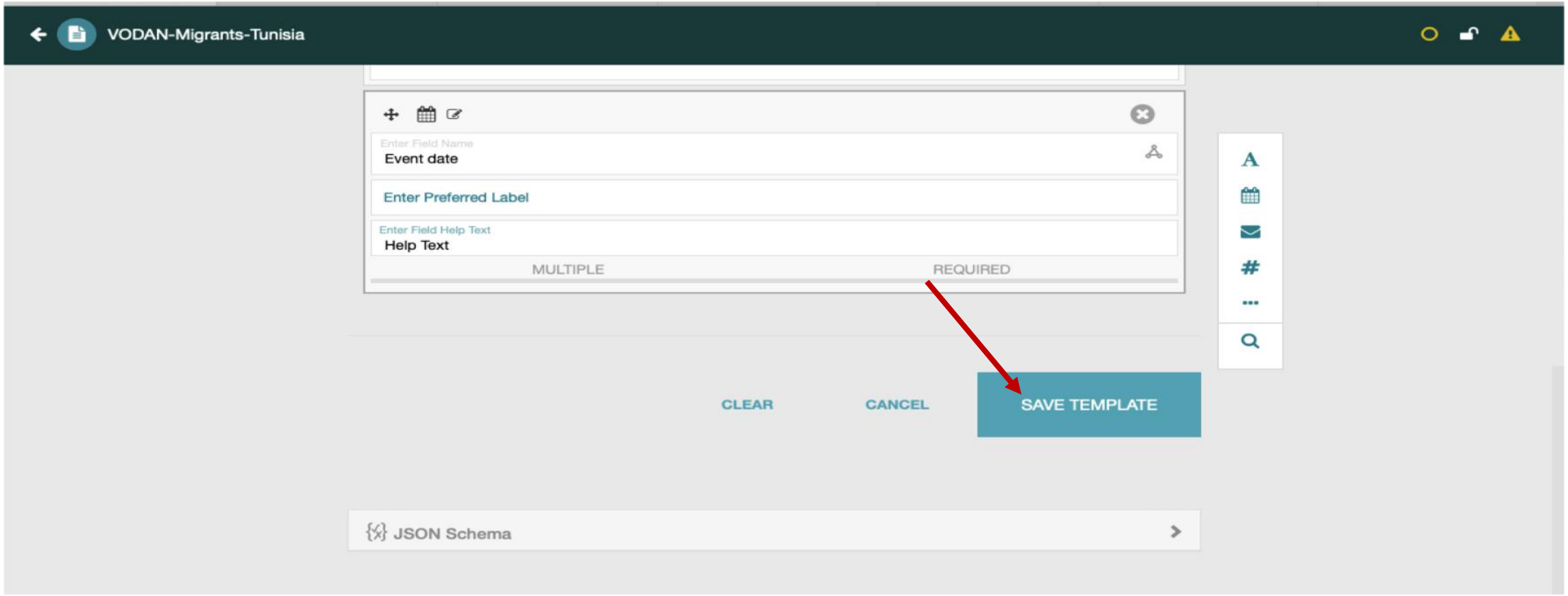
TEXT FIELD


VODA
Find terms in BioPortal or Create New Terms to constrain the values of the 'Untitled' field
Search in BioPortal
Start Over
Untitled
500 results for the query 'Untitled'. Click on a term below to select it
TERM
DEFINITION
TYPE
SOURCE
ID
calories
Jawbone
Class
CWD
calories
Human
-
Class
CABRO
Human
ClinicalProcess
-
Class
CABRO
ClinicalProcess
Impairment
-
Class
CABRO
Impairment
Brain
-
Class
MCCL
Brain
MouthNeoplasm
-
Class
MCCL
MouthNeoplasm

3RD STEP: SAVING THE TEMPALTE

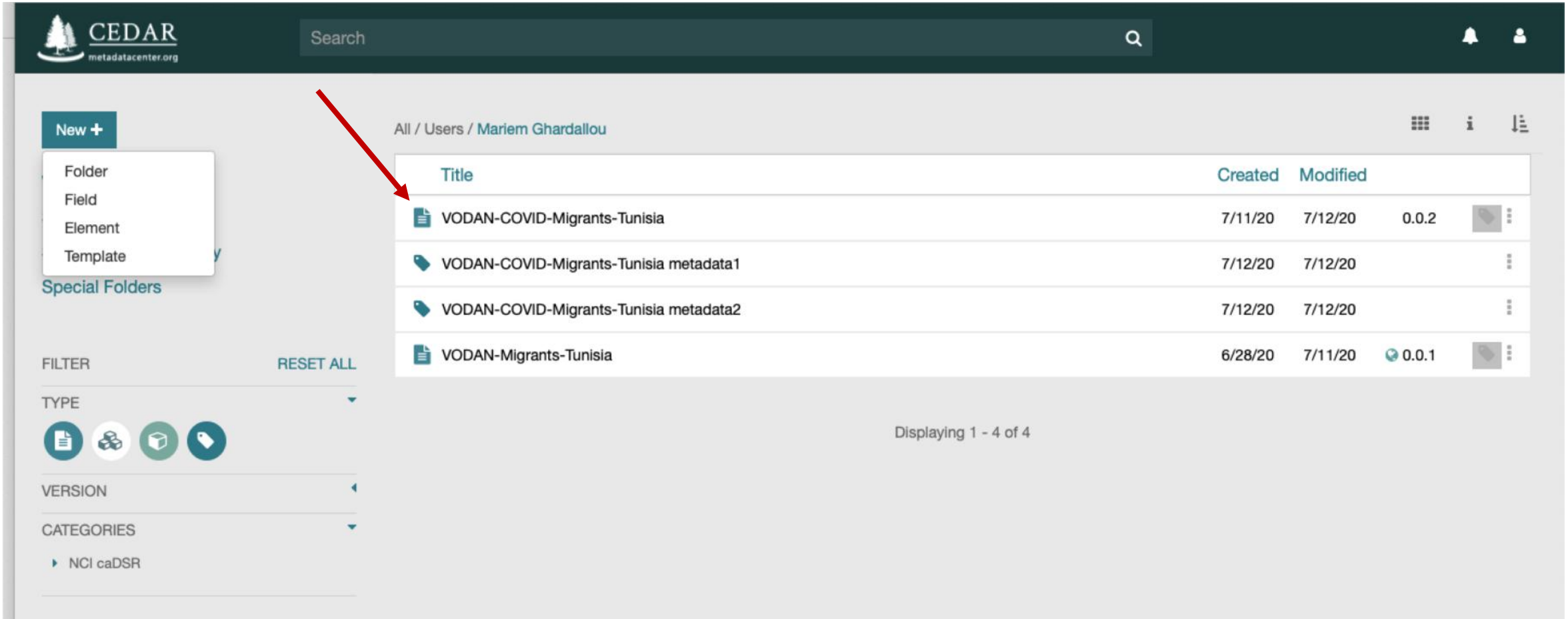
3RD STEP: SAVING THE TEMPLATE

After completing the creation of the template →save the tempalte



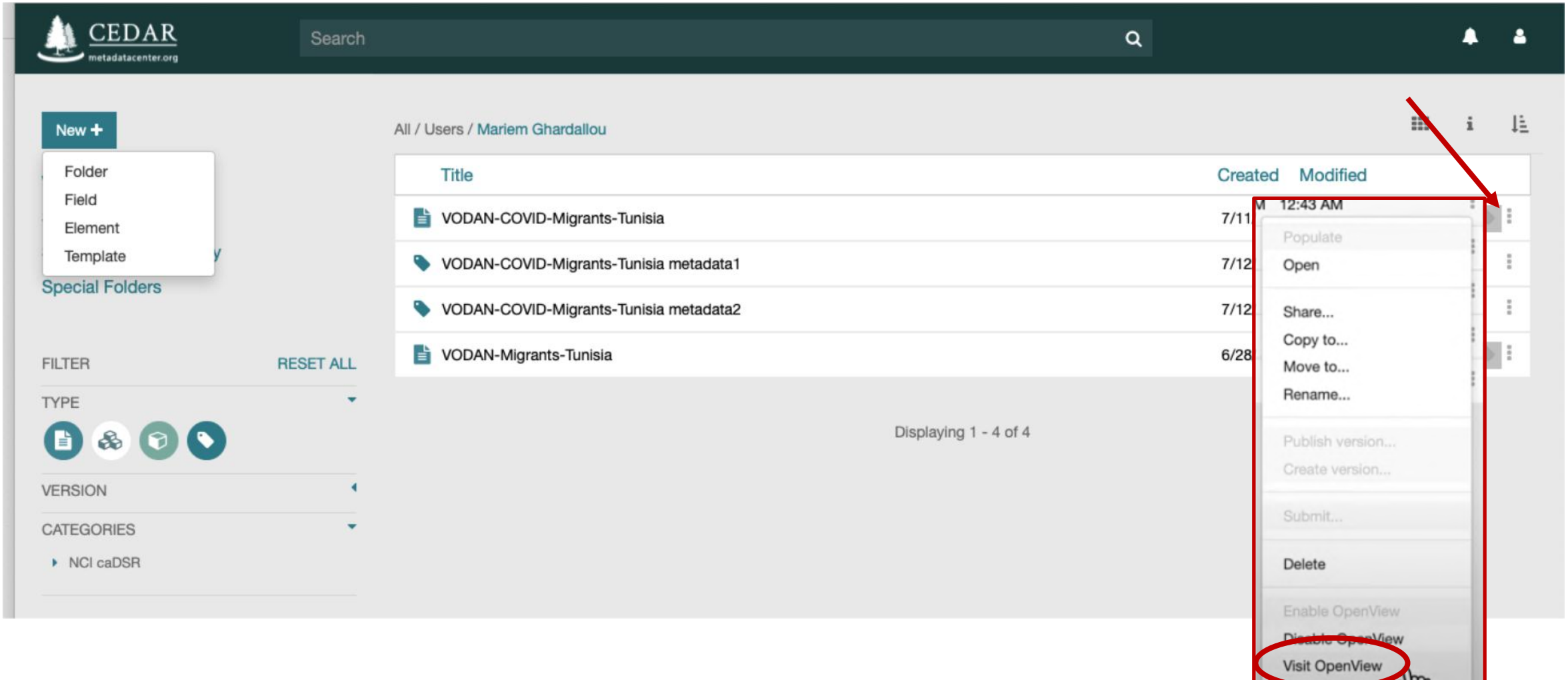
3RD STEP: SAVING THE TEMPLATE

After completing the creation of the template and saving the tempalte→ this template will be added to the Workspace



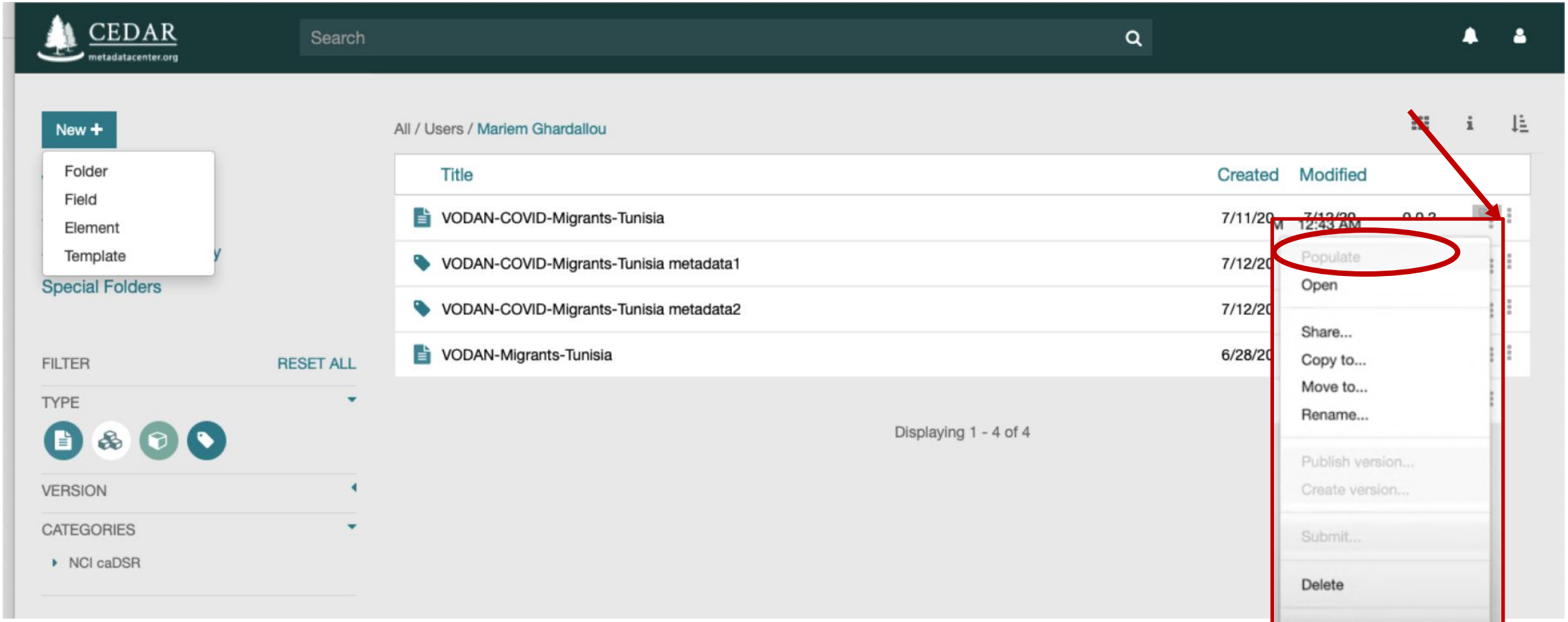
3RD STEP: OVERVIEW

We can than select the open wiew option to get an overview



II- ENTERING METADATA

To complete the metdata form → Option « Popular »



Publishing Metadata with CEDAR

CEDAR OpenView

Revised case report form for Confirmed Novel Coronavirus COVID-19 metadata - Metadata instance (Read-Only)

metadatacenter.org

View

Revised case report form for Confirmed Novel Coronavirus COVID-19 metadata

(Also report to WHO within 48 hours of case identification)

Date of reporting to national health authority *

6/16/2020

Reporting country *

South Africa

Why tested for COVID-19 *

- (•) Contact of a case
- ( ) Ill Seeking Healthcare due to suspicion of COVID-19
- ( ) Detected at point of entry
- ( ) Repatriation
- ( ) Routine respiratory disease surveillance systems (e.g., influenza
- ( ) Unknown

If none of the above, please explain

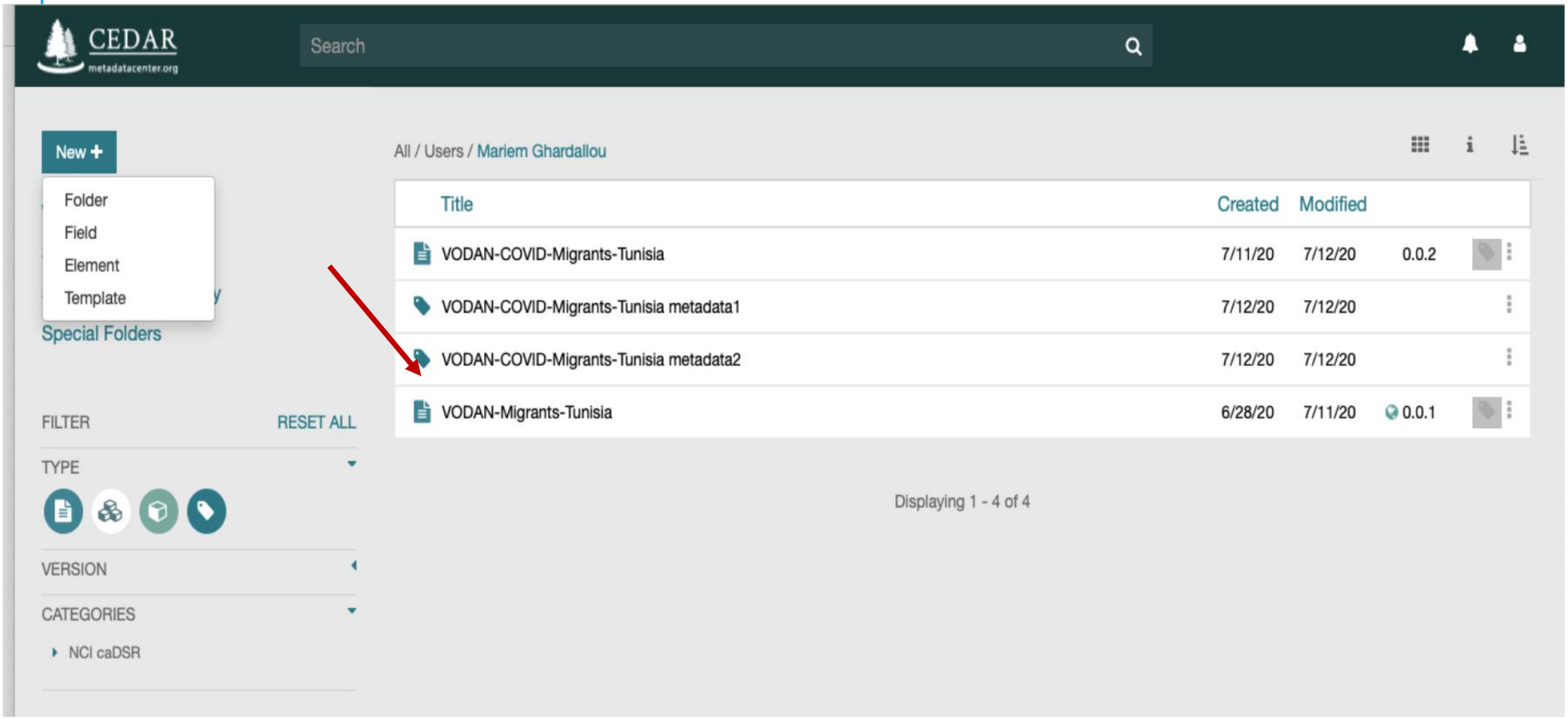
> WHO COVID-19 CRF Section 1: Patient Information

> WHO COVID-19 CRF Section 2: Clinical Status

> WHO COVID-19 CRF Section 3: Exposure Risk

2:47 / 5:08

After completing the form:



VODAN-COVID-Migrants-Tunisia metadata

JSON-LD

RDF

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<https://repo.metadatacenter.org/template-instances/4d65c77a-0b8f-498c-ad67-80c69e6ac50f> <http://bmkeg.isi.edu/ooevv/integerValue> "1"^^<http://www.w3.org/2001/XMLSchema#int> .
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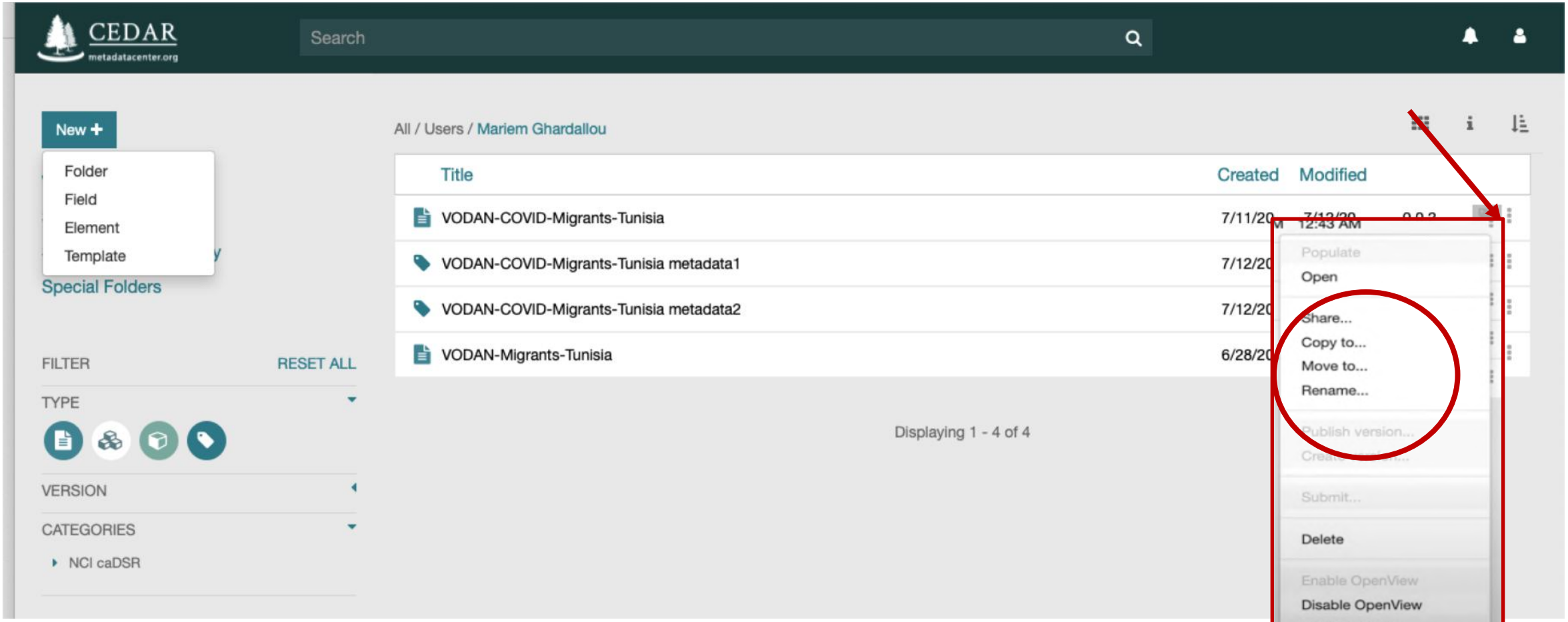
<https://repo.metadatacenter.org/template-instances/4d65c77a-0b8f-498c-ad67-80c69e6ac50f> <http://schema.org/event> "Social" .
<https://repo.metadatacenter.org/template-instances/4d65c77a-0b8f-498c-ad67-80c69e6ac50f> <http://schema.org/isBasedOn> <https://repo.metadatacenter.org/templates/1988902f-9fc0-46bf-8cee-aeec54539cac> .
<https://repo.metadatacenter.org/template-instances/4d65c77a-0b8f-498c-ad67-80c69e6ac50f> <http://schema.org/name> "VODAN-COVID-Migrants-Tunisia metadata" .
<https://repo.metadatacenter.org/template-instances/4d65c77a-0b8f-498c-ad67-80c69e6ac50f> <http://vivoweb.org/ontology/core#dateTimePrecision> "No" .
```

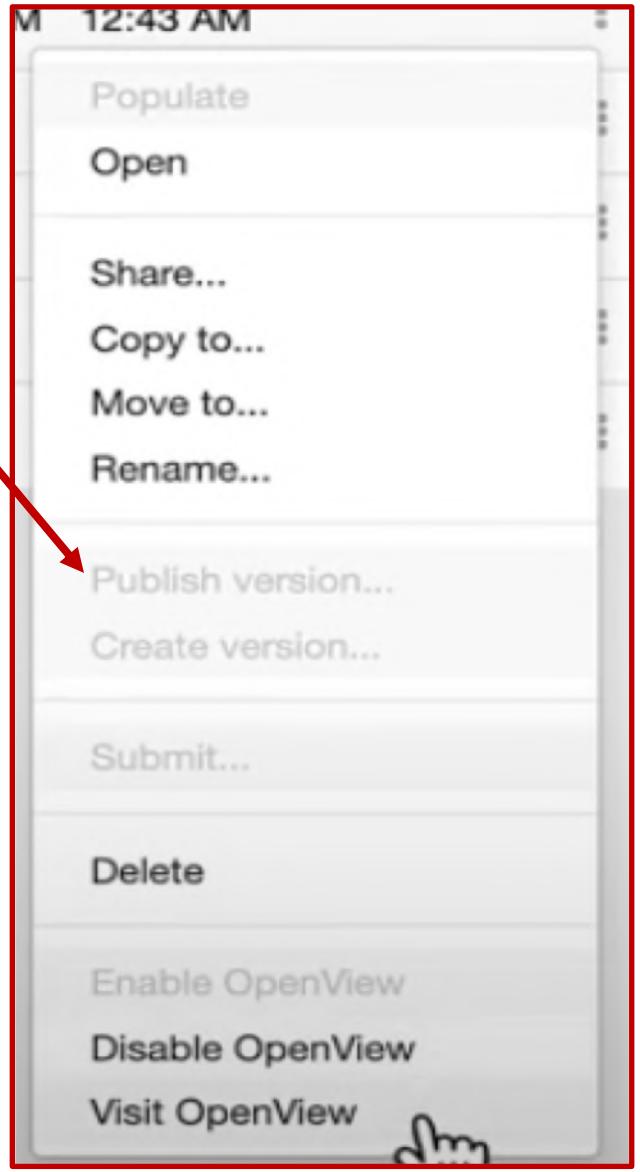
To complete the metdata form → other Options: rename, copy and share (with other members team)



III- SUBMISION OF METADATA ON CEDAR

PUBLISHING METDATA

1. Open view: will be accessible for all users
2. User process: for a specific other system
3. Copy the MD and paste it
4. Submission to a target repository



Publishing Metadata with CEDAR: https://www.youtube.com/watch?v=1HnHmihzEdQ

THANK YOU FOR YOUR ATTENTION