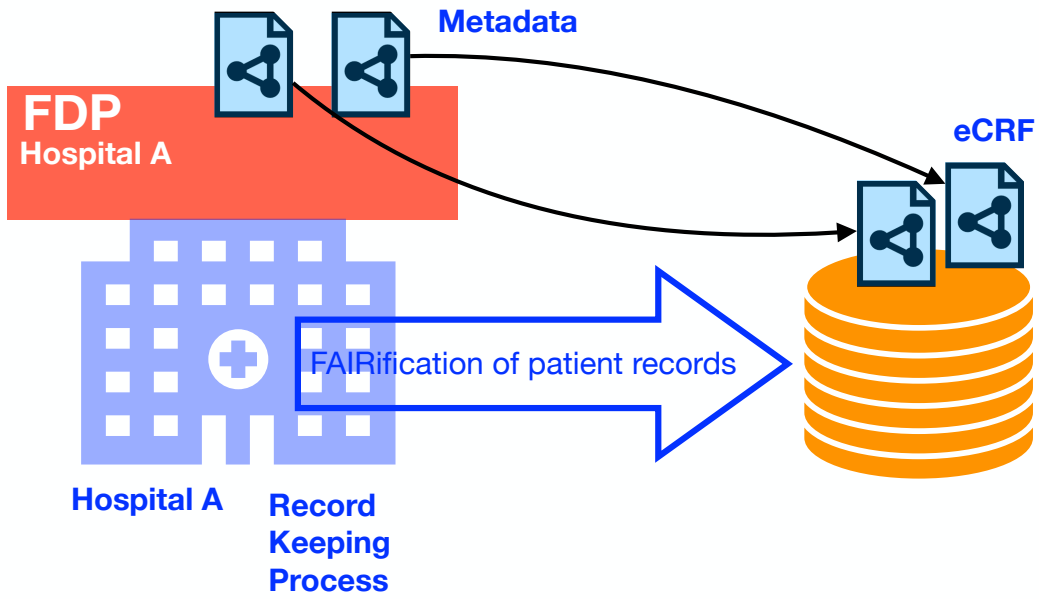
Metadata for Machines Workshop: VODAN Africa

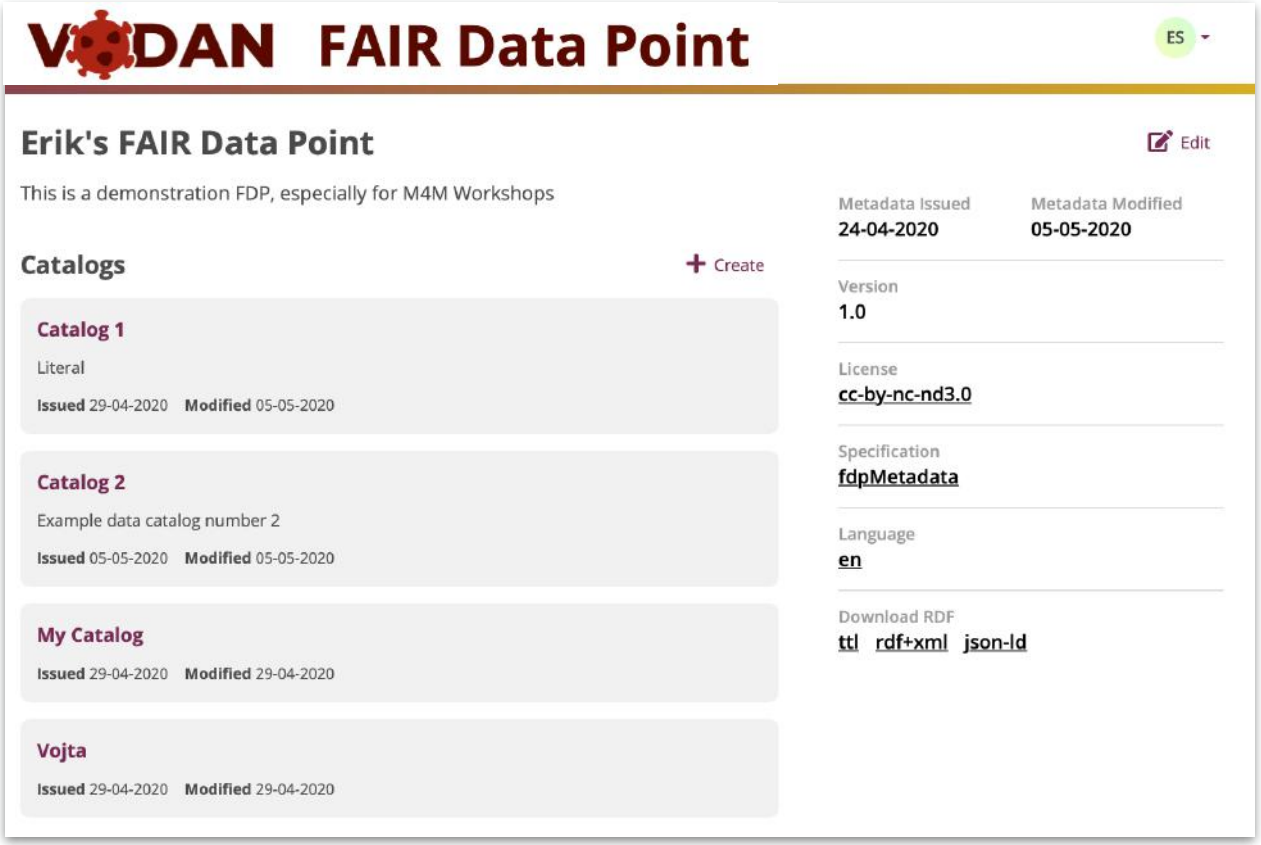
Dr. Erik Schultes, PhD
International Science Coordinator
GO FAIR International Support and Coordination Office
http://orcid.org/0000-0001-8888-635X
erik.schultes@go-fair.org
go-fair.org
https://bit.ly/M4Mhandbook

M4M.4.10, June 30, 2020

VODAN FAIR Data Point



Setting up the FAIR Data Point
Phase 1: installation



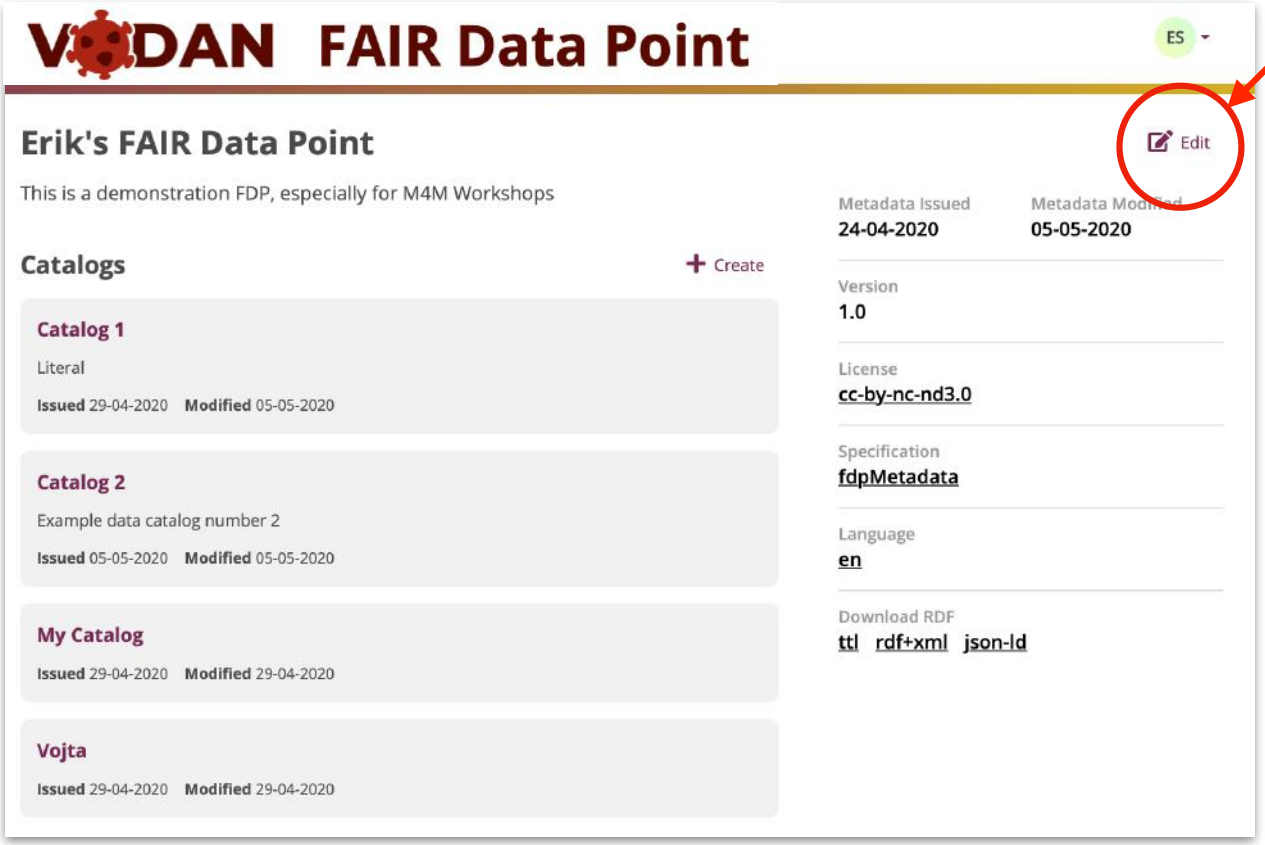
GO FAIR

GO FAIR M4M

Philips Foundation

Setting up the FAIR Data Point
Phase 2: configuration

Login as “admin”
Edit metadata fields



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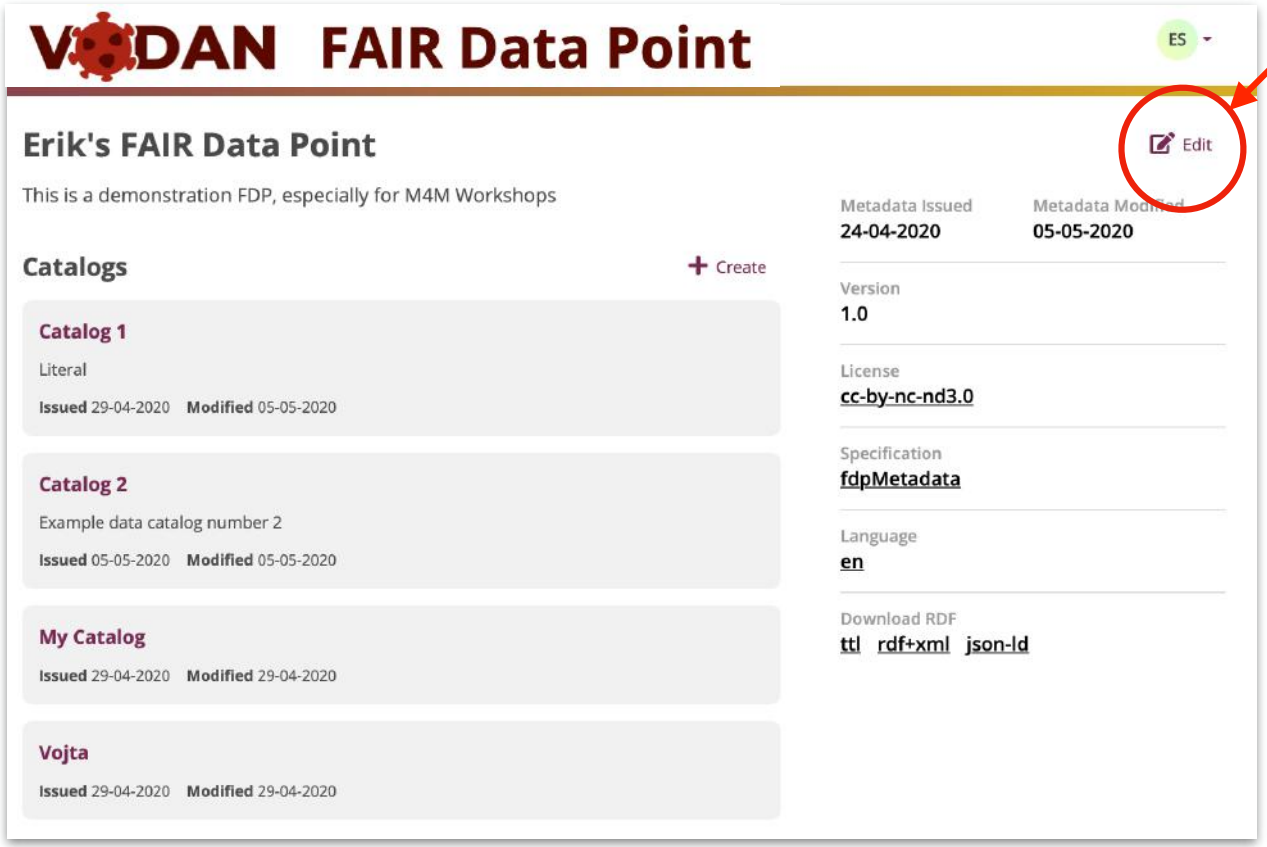
Setting up the FAIR Data Point
Phase 2: configuration



Login as “admin”
Edit metadata fields

- **FDP**
  - VODAN
  - Country
    - **Catalog**
      - Hospital
        - **Dataset**
          - eCRF
            - **Distribution**
              - RDF
              - Txt
              - XML

	Repository metadata (9 components)
1	**Title:** Give a tile, or name, of the FAIR Data Point. Ex.: VODAN FAIR Data Point, KIU FAIR Data Point, LUMC FAIR Data Point
2	**Description:** A textual description of the FAIR Data Point explaining its purpose, the context, etc. E.g., "This FAIR Data Point contains the metadata of datasets and other artefacts related to the COVID-19 pandemic in hospital ACME".
3	**Publisher:** The person or organization responsible for the FAIR Data Point. E.g., Hospital A, University B, etc.
4	**Version:** The version of this deployment of the FAIR Data Point. E.g., 1.0
5	**Language** The URI of the main language of this FAIR Data Point according to ISO 639-1. E.g: http://id.loc.gov/vocabulary/iso639-1/en, http://id.loc.gov/vocabulary/iso639-1/fr
6	**License** The URI of the usage license for the FAIR Data Point. Notice that this license does not need to be the same of the datasets' licenses. This is for the usage of the FAIR Data Point as a metadata provisioning service. E.g., http://rd]icense.appspot.com/rd]icense/cc-by-nc-nd4.0
7	**Start date** The date when the FDP started operating. MM DD YYYY X/Y/ 2020
8	**Last update** The date when the FDP was last updated operating. MM DD YYYY X/Y/ 2020
9	**Institution country:** The URI of the country of origin of the institution responsible for the FDP. E.g., https://www.wikidata.org/entity/Q55 (URI for The Netherlands in WikiData), https://www.omg.org/spec/LCC/Countries/ISO3166-1-CountryCodes/Netherlands (URI for The Netherlands in ISO 3166-1 Country Codes Ontology).

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	Catalog metadata (5 components)
1	**Title:** Give a tile, or name, of the Catalog. Ex.: COVID-19 CRFs; Virus Sequence Data; Refugee Interviews
2	**Description:** A textual description of the catalog. E.g., "This catalog contains patient CRFs following the WHO standard".
3	**Publisher**: The publisher (person or organization) responsible for this catalog. E.g., Hospital A, University B, etc.
4	**Version:** The version of this catalog. E.g., 1.0
5	**Language**: The URI of the main language used in this catalog according to ISO 639-1. E.g: http://id.loc.gov/vocabulary/iso639-1/en, http://id.loc.gov/vocabulary/iso639-1/fr

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	Dataset metadata (12 components)
1	**Title:** Tile, or name, of the dataset. Ex.: Clinical trial dataset, COVID-19 WHO CRF dataset, etc
2	**Description:** A textual description of the dataset. E.g., "This dataset is the COVID-19 WHO case report form data for hospital X.".
3	**Publisher:** The publisher (person or organization) responsible for this dataset. E.g., Hospital A, University B, etc.
4	**Version:** The version of this dataset. E.g., 1.0
5	**Language**: The URI of the main language used in this dataset according to ISO 639-1. E.g: http://id.loc.gov/vocabulary/iso639-1/en, http://id.loc.gov/vocabulary/iso639-1/fr
6	**License**: The URI of the usage license for the dataset. E.g., http://rd\license.appspot.com/rd\license/cc-by-nc-nd4.0
7	**Issued** The date when the dataset was ^rst issued. MM DD YYYY X/Y/ 202
8	**Modified** The date when the dataset was last modi^ed. MM DD YYYY X/Y/ 2020
9	**Keywords**: List of terms related to the dataset. These keywords/terms give hints for the human user on what the dataset is about. The machine equivalent of keyword is theme.
10	**Theme:** URIs of concepts related to the dataset. These URIs give hints for the machine user - the artifcial agents - on what the dataset is about. The human equivalent of theme is keyword.
11	**Contact point:** The URI representing a contact point to get more information about the dataset
12	**Landing page:** The URI of the landing page (if other than the FDP Client) of the dataset

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	Distribution Metadata (10 components, technical description of the digital representation of the dataset)
1	**Title:** Tile, or name, of the distribution. Ex.: COVID-19 WHO CRF dataset in RDF, Interview document in txt, temperature in XML, etc
2	**Description:** A textual description of the distribution. E.g., "The RDF distribution of the COVID-19 WHO case report form data for hospital X.".
3	**License:** The URI of the usage license for the distribution. E.g., http://rdVicense.appspot.com/rdVicense/cc-by-nc- nd4.0
4	**Issued** The date when the distribution was Zrst issued. MM DD YYYY X/Y/ 2020
5	**Modified** The date when the distribution was last modiZed. MM DD YYYY X/Y/ 2020
6	**Download URL:** The URL to download the Zle. Only use this if there is a file to be downloaded.
7	**Access URL**: A URL of the resource that gives access to a distribution of the dataset. E.g. landing page, feed, SPARQL endpoint.
8	**Media Type:** The media type of the distribution as deZned by IANA [https://www.w3.org/TR/vocab-dcat-2/#bib-iana-media-types].
9	**Format:** The file format of the distribution
10	**Byte Size:** The size of a distribution in bytes

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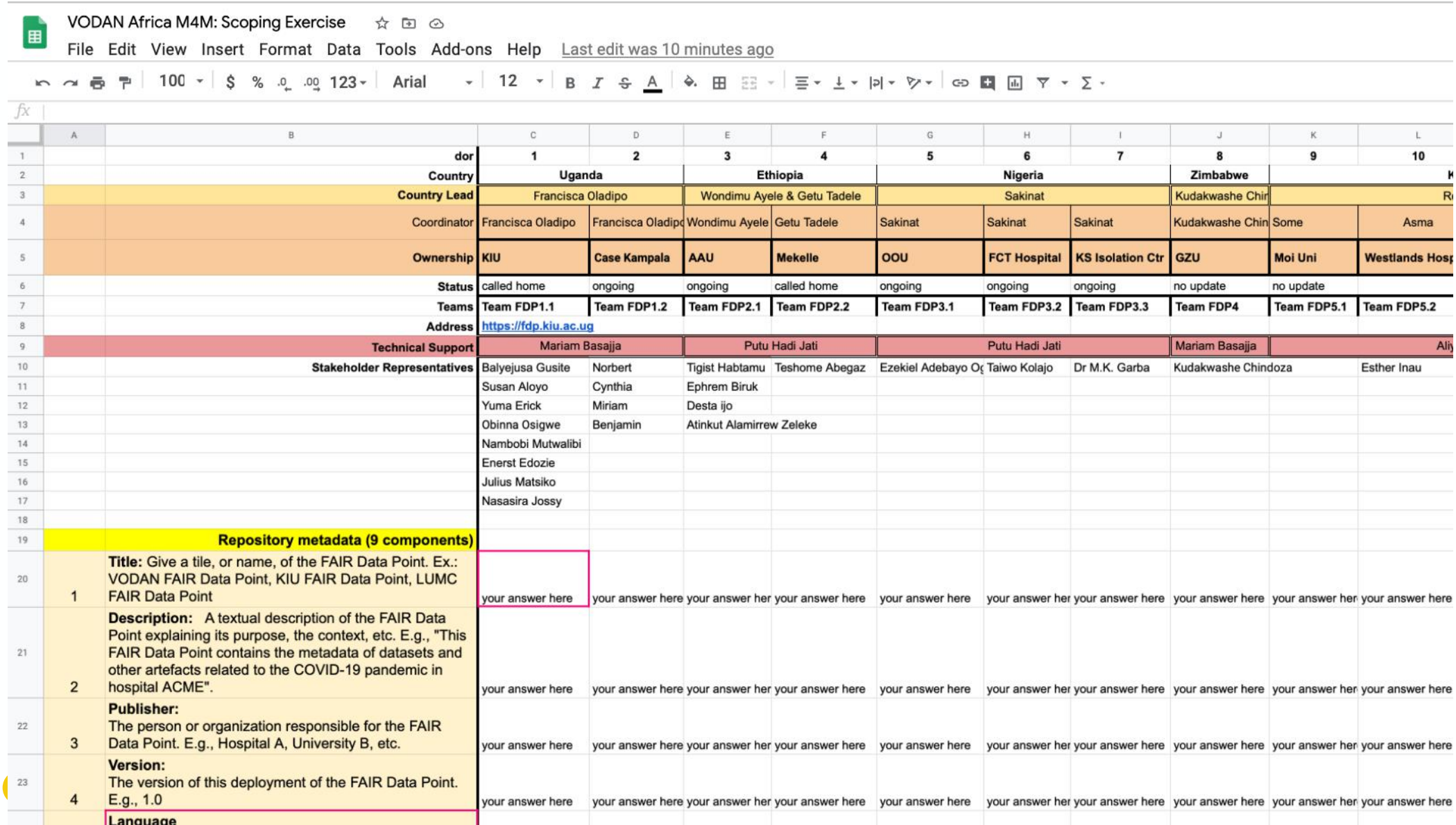
Homework
VODAN Africa M4M: Scoping Exercise

https://bit.ly/M4MScopingExercise under the tab “FDP Deployment Teams”



VODAN Africa M4M: Scoping Exercise

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		dor	1	2	3	4	5	6	7	8	9	10
		Country	Uganda		Ethiopia		Nigeria			Zimbabwe		
		Country Lead	Francisca Oladipo		Wondimu Ayele & Getu Tadele		Sakinat			Kudakwashe Chir		
		Coordinator	Francisca Oladipo	Francisca Oladipo	Wondimu Ayele	Getu Tadele	Sakinat	Sakinat	Sakinat	Kudakwashe Chin	Some	Asma
		Ownership	KIU	Case Kampala	AAU	Mekelle	OOU	FCT Hospital	KS Isolation Ctr	GZU	Moi Uni	Westlands Hosp
		Status	called home	ongoing	ongoing	called home	ongoing	ongoing	ongoing	no update	no update	
		Teams	Team FDP1.1	Team FDP1.2	Team FDP2.1	Team FDP2.2	Team FDP3.1	Team FDP3.2	Team FDP3.3	Team FDP4	Team FDP5.1	Team FDP5.2
		Address	https://fdp.kiu.ac.ug									
		Technical Support	Mariam Basajja		Putu Hadi Jati		Putu Hadi Jati			Mariam Basajja		Ali
		Stakeholder Representatives	Balyejusa Gusite	Norbert	Tigist Habtamu	Teshome Abegaz	Ezekiel Adebayo Oc	Taiwo Kolajo	Dr M.K. Garba	Kudakwashe Chindoza		Esther Inau
			Susan Aloyo	Cynthia	Ephrem Biruk							
			Yuma Erick	Miriam	Desta ijo							
			Obinna Osigwe	Benjamin	Atinkut Alamirrew Zeleke							
			Nambobi Mutwalibi									
			Enerst Edozie									
			Julius Matsiko									
			Nasasira Jossy									
		Repository metadata (9 components)										
	1	**Title:** Give a tile, or name, of the FAIR Data Point. Ex.: VODAN FAIR Data Point, KIU FAIR Data Point, LUMC FAIR Data Point	your answer here	your answer here	your answer here	your answer here	your answer here	your answer her	your answer here	your answer here	your answer her	your answer here
	2	**Description:** A textual description of the FAIR Data Point explaining its purpose, the context, etc. E.g., "This FAIR Data Point contains the metadata of datasets and other artefacts related to the COVID-19 pandemic in hospital ACME".	your answer here	your answer here	your answer here	your answer here	your answer here	your answer her	your answer here	your answer here	your answer her	your answer here
	3	**Publisher:** The person or organization responsible for the FAIR Data Point. E.g., Hospital A, University B, etc.	your answer here	your answer here	your answer here	your answer here	your answer here	your answer her	your answer here	your answer here	your answer her	your answer here
	4	**Version:** The version of this deployment of the FAIR Data Point. E.g., 1.0	your answer here	your answer here	your answer here	your answer here	your answer here	your answer her	your answer here	your answer here	your answer her	your answer here
		Language										

Homework
VODAN Africa M4M: Scoping Exercise

https://bit.ly/M4MScopingExercise under the tab “FDP Deployment Teams”

Country lead & Tech leads, to be completed by Thursday:

1) Try to complete all 32 questions in the spreadsheet.
2) If you do not understand the question, just say so.
3) Give your answer in human language if you like (no need for code or URLs at this point).
4) Collaborate/coordintate with others in your team or with other teams as much as you like.
5) We will review answers on Friday and discuss next Tuesday.

VODAN FDP Reference

WHO COVID-19 CRF, and rendered this in the RDF language.

- http://bioportal.bioontology.org/ontologies/COVIDCRFRAPID

VODAN FAIR Data Point “in-a-box”. This is an Open Source Dockerized server application that launches a FAIR Data point and contains the semantically enabled CRF.

- FAIRDataPoint-Spec https://github.com/DTL-FAIRData/FAIRDataPoint-Spec/
- FAIR Data Point metadata specification https://github.com/FAIRDataTeam/FAIRDataPoint-Spec/blob/master/spec.md
- FAIR Data Point Registry https://home.fairdatapoint.org
- Video: Introduction to the FAIR Data Point https://www.youtube.com/watch?v=PtS_ek7BXSA&feature=youtu.be
- Video: How to deploy a FAIR Data Point in your local computer https://www.youtube.com/watch?v=rN_IVwppL_E
- Video: FAIR Data Point production deployment demonstration https://www.youtube.com/watch?v=JqZm8dha1PY&feature=youtu.be