Concepts for service integration and data publication via NFDI4Biodiversity and GBIF

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45. Diversity Workbench Workshop
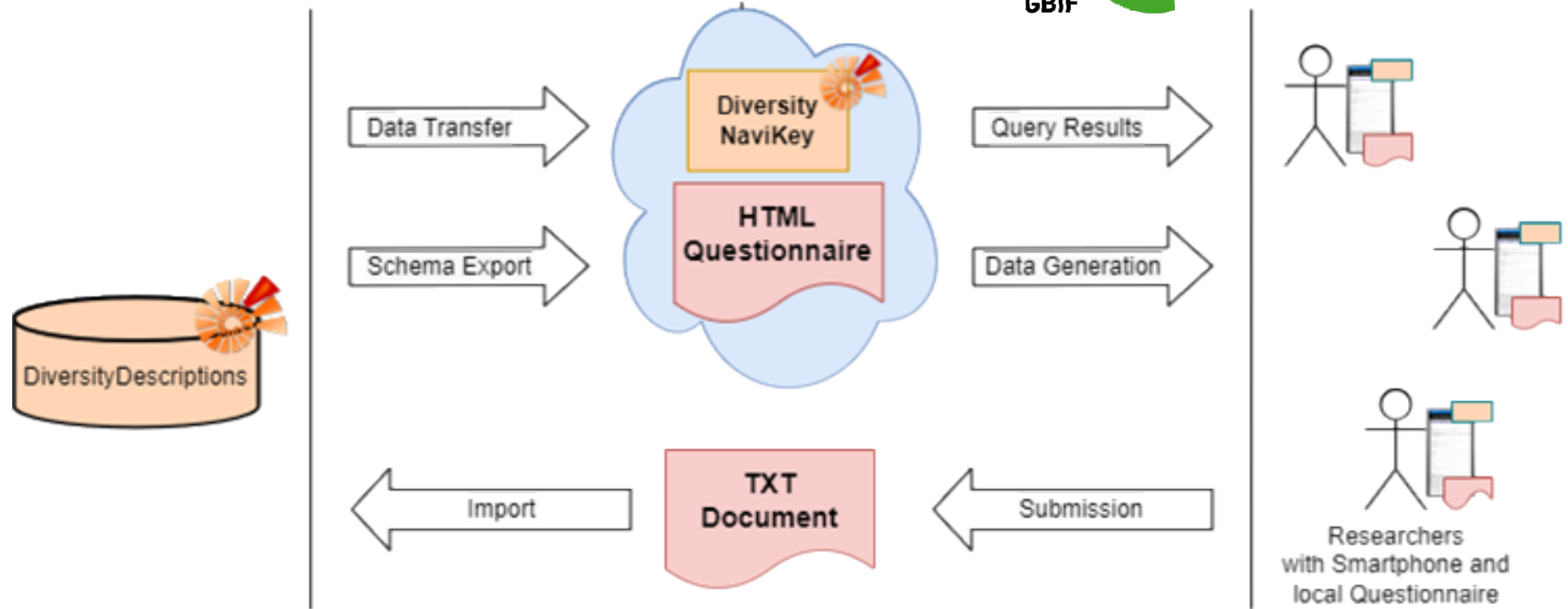ITCER, Kenya, 09.10.2023

EthnoMycAfrica data pipeline

Kinge et al. 2023, Fig. 6 (modified) https://doi.org/10.1017/S0024282923000294

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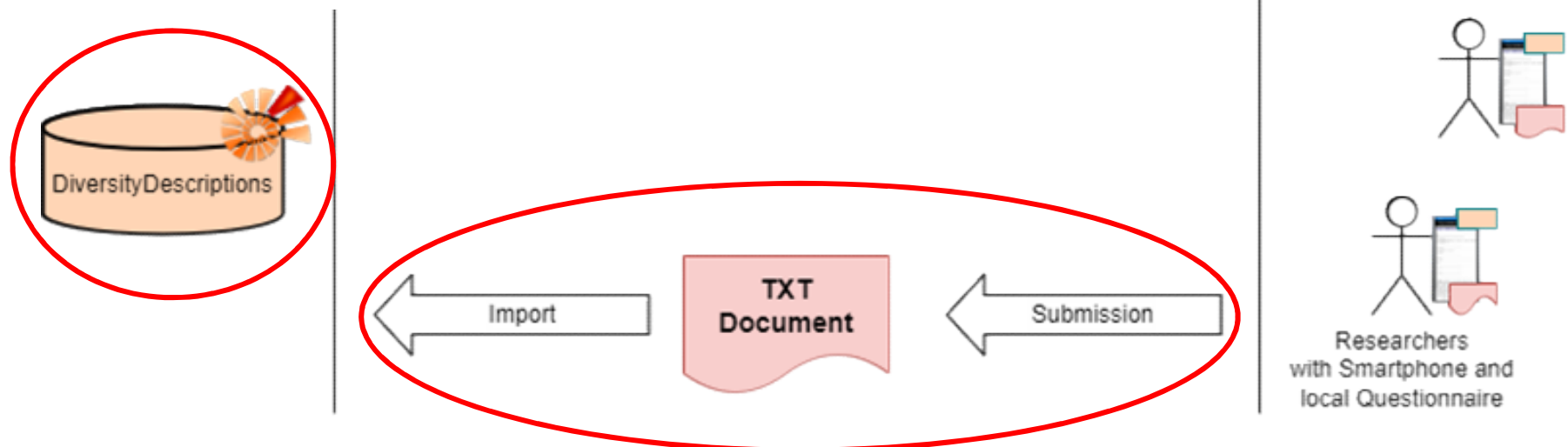
Managing and storing services realised

- Data of the EthnoMycAfrica project are managed in a DiversityDescriptions installation.

- The installation is administrated at SNSB.

- The EthnoMycAfrica project team has access to the data for management and curation purposes.
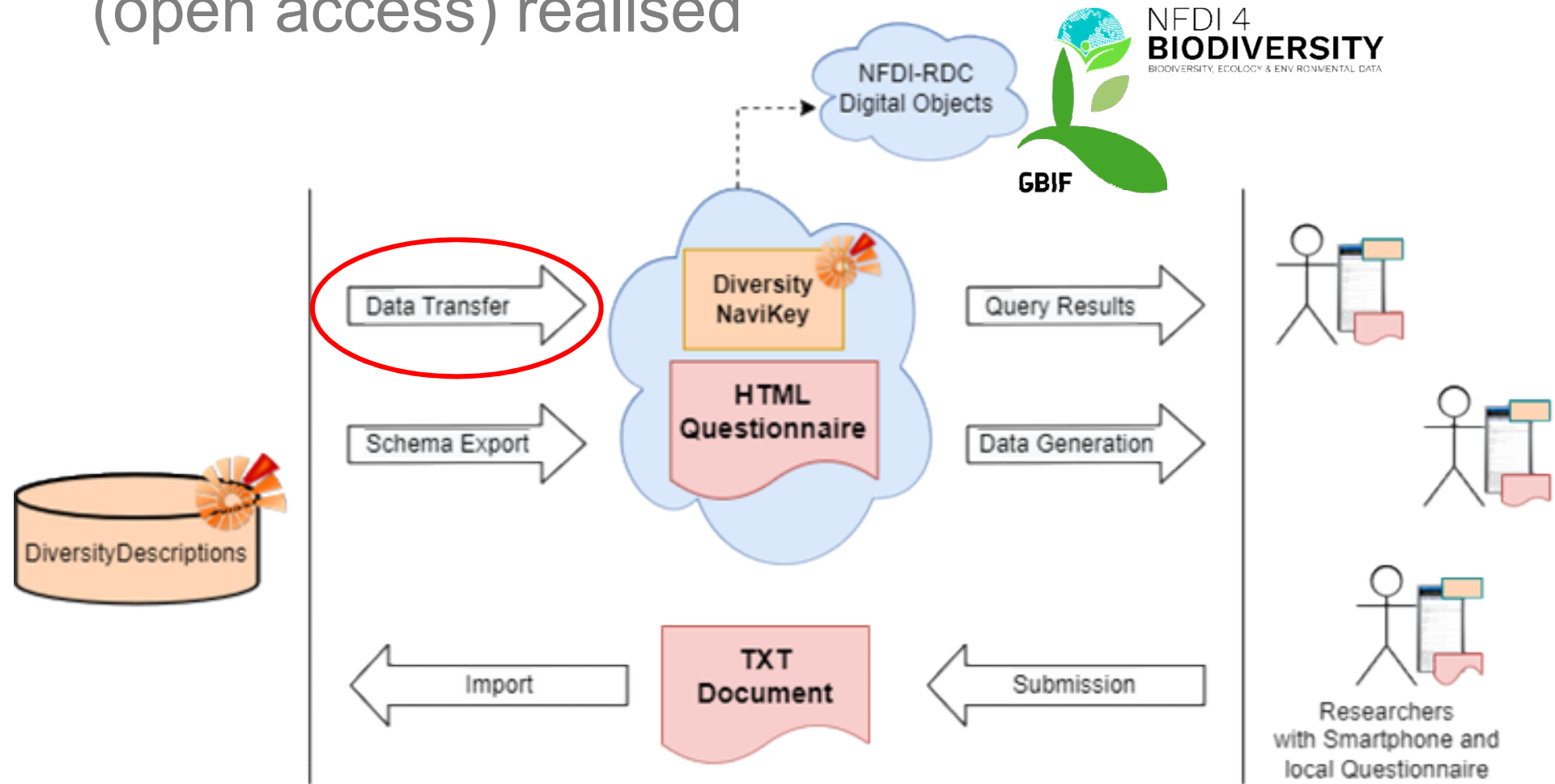

Kinge et al. 2023, Fig. 6 (modified) https://doi.org/10.1017/S0024282923000294

Managing and storing services realised

DiversityNaviKey code and project logo	Title and description of the data source (dataset)	Responsible/ author(s)	Creative Commons Licenses (CC)⊠ (textual data and hosted images)	Number of items, number of item values (•)	Number of descriptors, number of categorical descriptor states (•)	Number of linked images and documents hosted by SNSB	Linked internet resources	Access point with citation (e.g. re3data, DOI)	References and notes
UBTMYCethnomycdesc / EthnoMycAfrica (••••)	EthnoMycAfrica – Ethnomycological knowledge in Africa	Kinge, Rosemary Tonjock; Jefwa, Joyce Mnyazi; Houdanon, Roel D.; Kamalebo, Héritier Milenge; Abduzalem, Ahmed; Gryzenhout, Marieka; Rambold, Gerhard	CC BY	1,366 items with 13,490 categorical state values and 6,438 text values	34 descriptors with 21 categorical descriptors (486 categorical states), 13 free text descriptors	-	-	-	item status from **Mar. 2023** (DD); HTML Questionnaire for EthnoMycAfrica Database ⊠, to run the HTML questionnaire locally please download the zip-archive ⊠
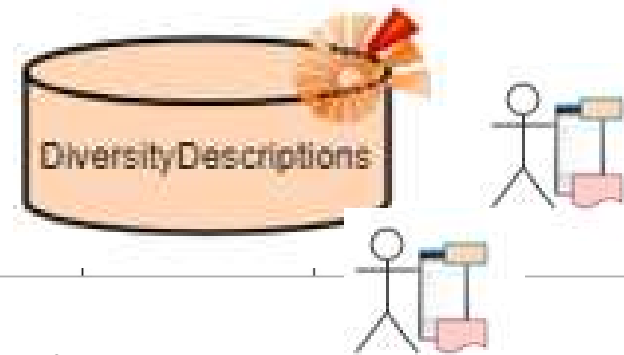
https://diversityworkbench.net/Portal/DWB_DiversityNaviKey_data_sources

Processing service to feed the DNK interface (open access) realised

Kinge et al. 2023, Fig. 6 (modified) https://doi.org/10.1017/S0024282923000294

Processing service to publish SDD-EML structured data products with DOI as NFDI4Biodiversity service planned

https://doi.datacite.org/repositories/zbmed.snsb

Processing service to publish SDD-EML structured data products with DOI as NFDI4Biodiversity service planned

https://search.gfbio.org/

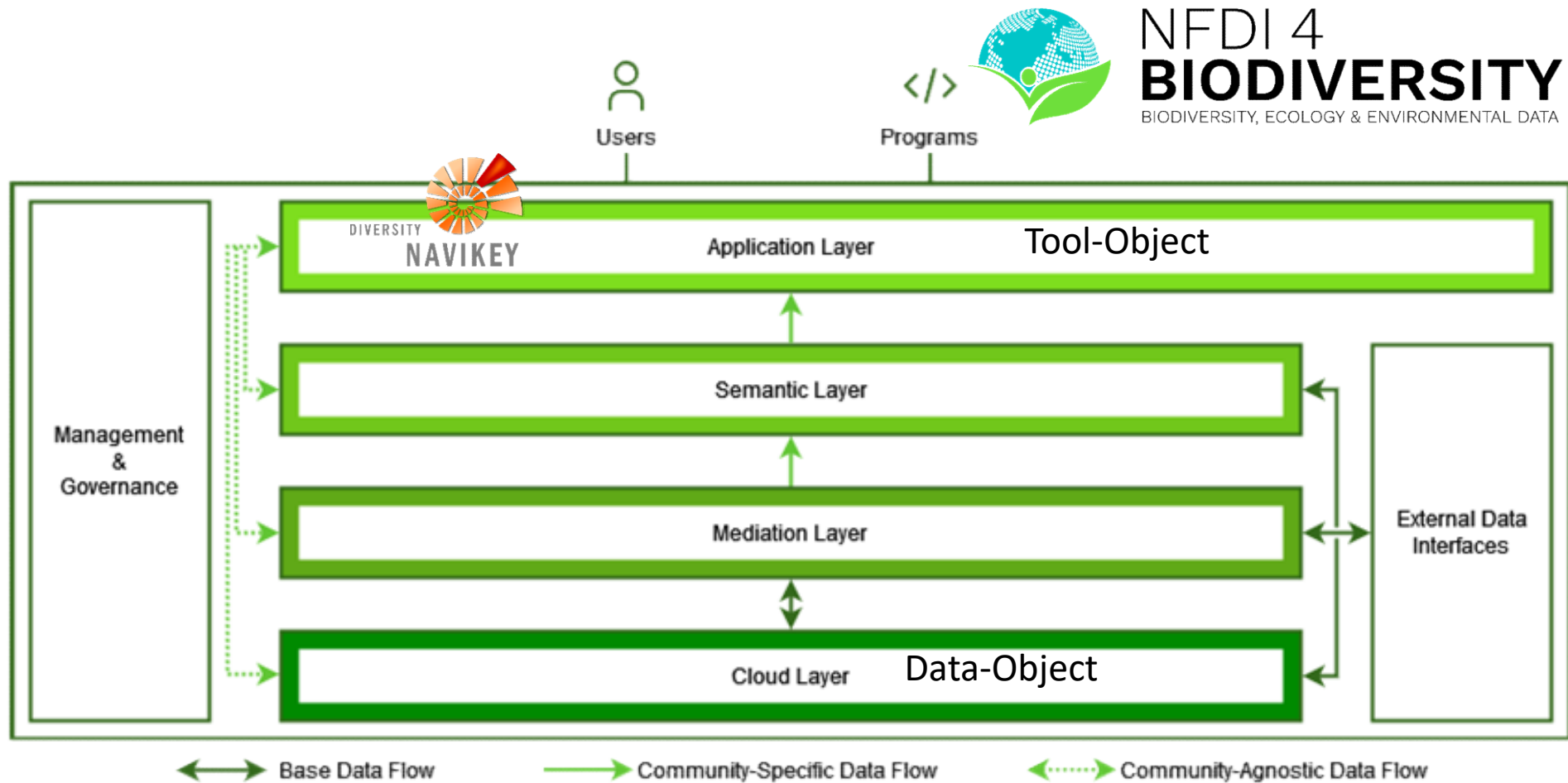# Processing service to publish SDD-EML structured data products with DOI as NFDI4Biodiversity service planned

https://data.snsb.info/dataset/gfbio/projects_gfbio/968/?archiveid=20

Processing service to integrate data and service in NFDI4Biodiversity RDC cloud planned
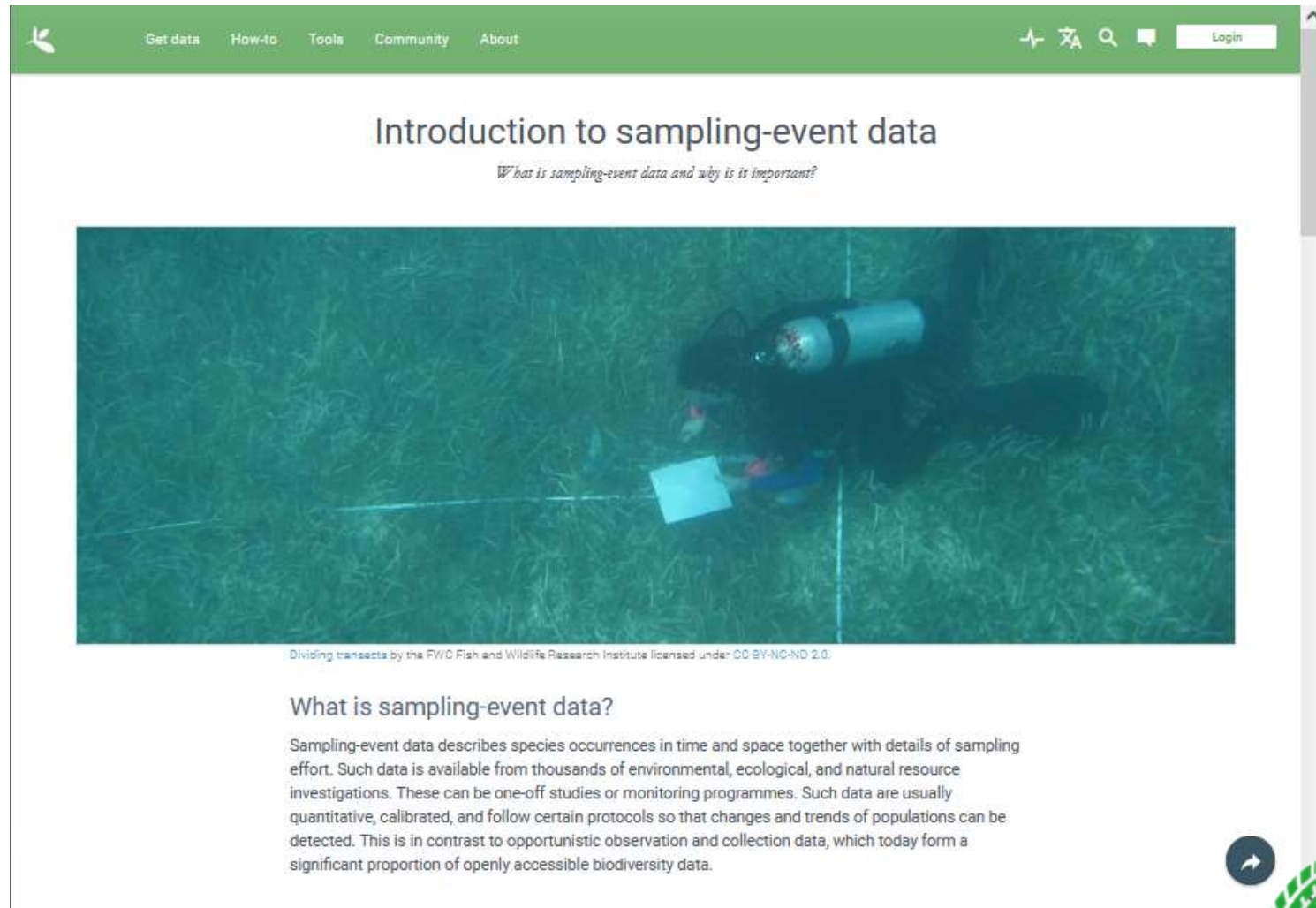

NFDI 4 BIODIVERSITY
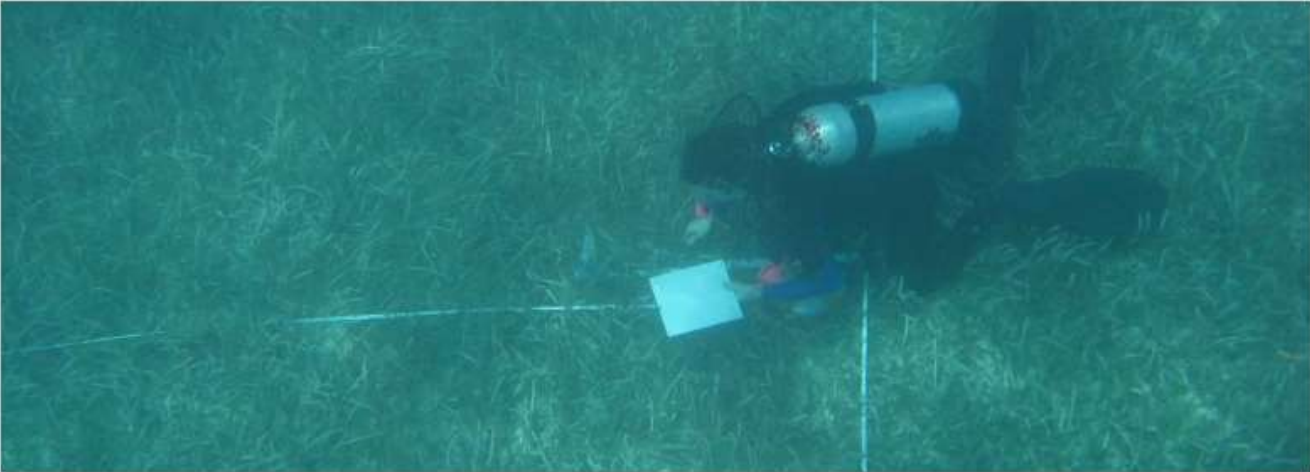BIODIVERSITY, ECOLOGY & ENVIRONMENTAL DATA

Users

Programs

DIVERSITY NAVIKEY

Management & Governance

Application Layer — Tool-Object

Semantic Layer

Mediation Layer

Cloud Layer — Data-Object

External Data Interfaces

Base Data Flow → Community-Specific Data Flow → Community-Agnostic Data Flow

https://www.nfdi4biodiversity.org/de/

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snsb it center

Processing service to publish data products (digital objects) via GBIF Sampling-Event planned

https://www.gbif.org/sampling-event-data

Processing service to publish data products (digital objects) via GBIF Sampling-Event planned

SDD   EML   SDD-EML-Archive

https://www.gbif.org/sampling-event-data

snsb
it center

Summarizing:

Several processing services to publish data products as digital objects are on the way…

Thank you!