DiSSCo

Distributed System of Scientific Collections

European Loans and Visits System - ELViS

https://elvis.dissco.eu

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ICEDIG.EU

SYNTHESYS+ Synthesis of Systematic Resources a DiSSCo project

mobilise

DiSSCo prepare

FAIR ENVRI

ELViS european loans and visit system

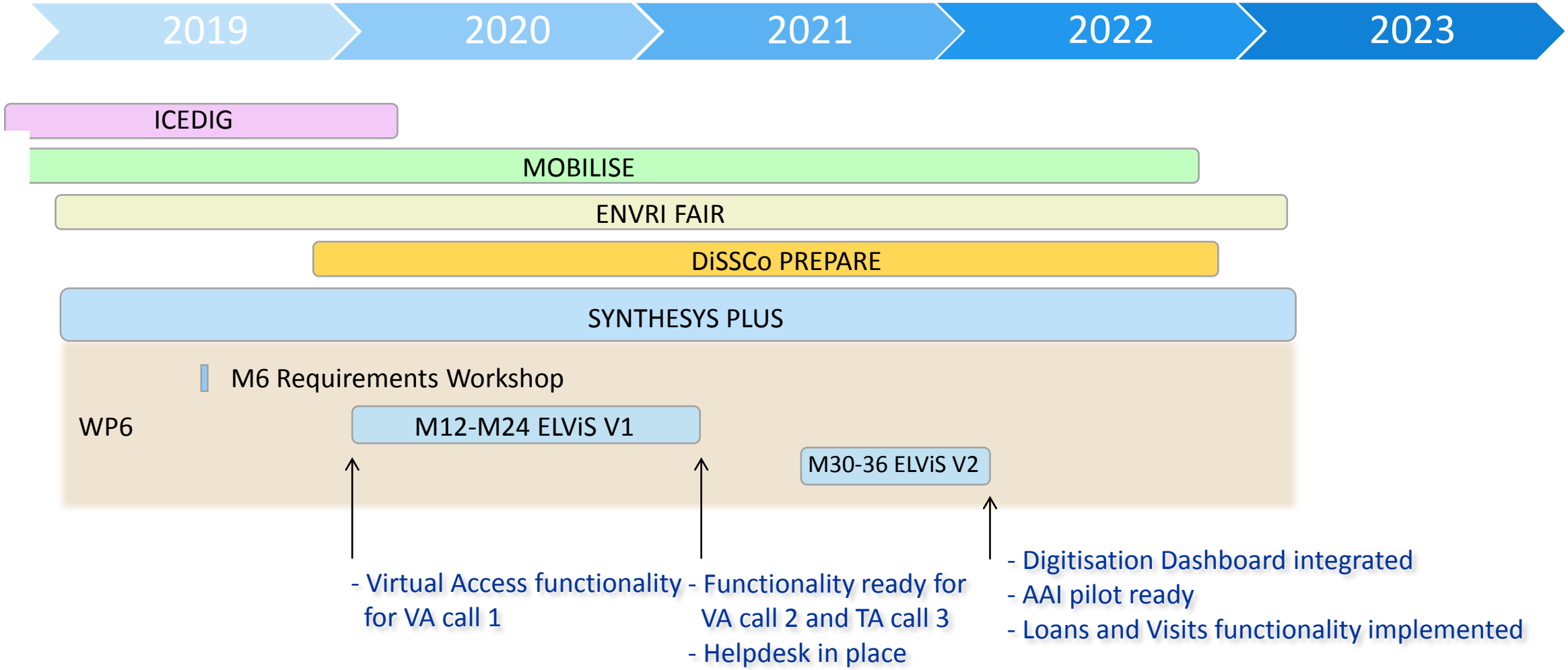
- Integrated system for Europe to support loans, visits, applications for digitisation on demand, and to track outputs.
- DiSSCo e-Service for access to European collections
- A future service in the European Open Science Cloud (EOSC)
- Developed in SYNTHESYS+ project, EC funded

EUROPEAN OPEN SCIENCE CLOUD

DiSSCo Distributed System of Scientific Collections

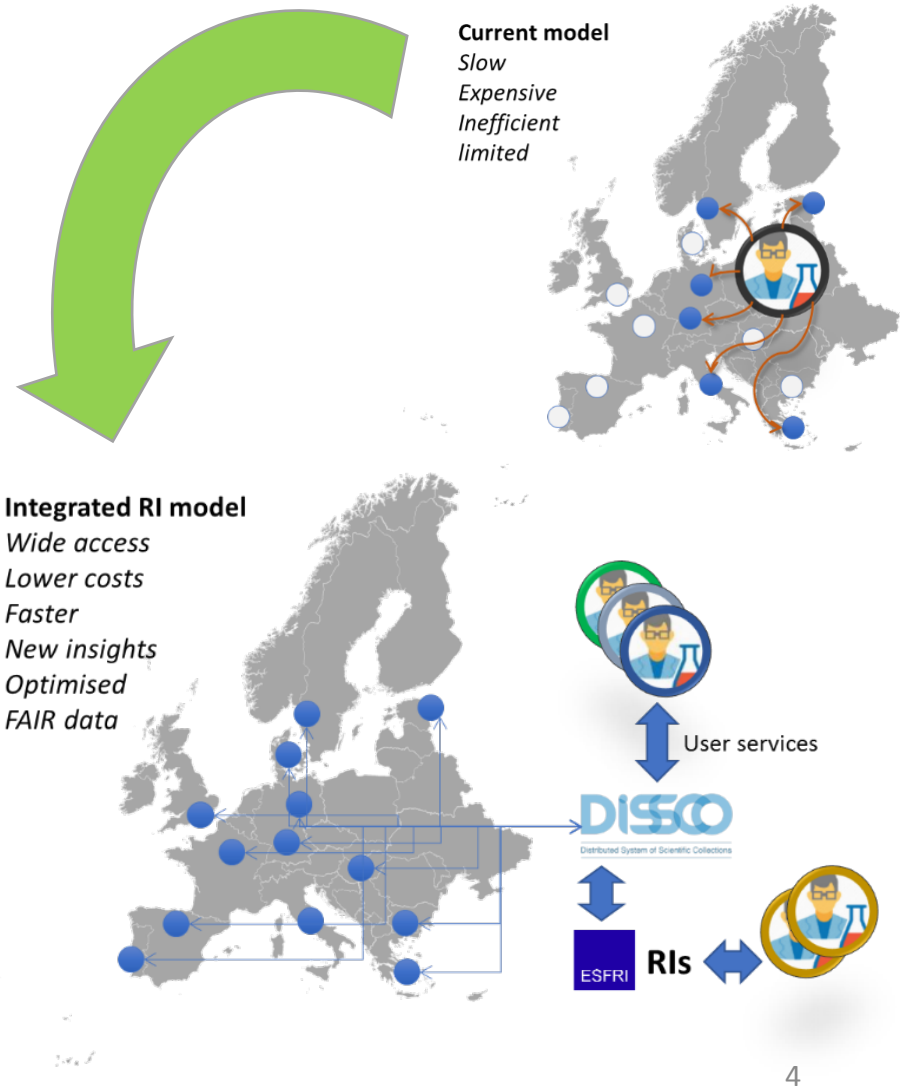
SYNTHESYS+ Synthesis of Systematic Resources a DiSSCo project

ELViS Development Roadmap



Global relevance and context

TDWG



ELViS european loans and visit system

ECOI

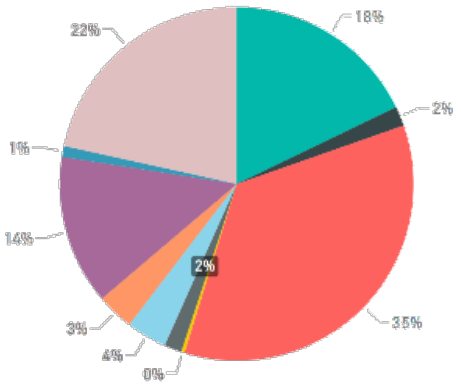
DiSSCo Distributed System of Scientific Collections

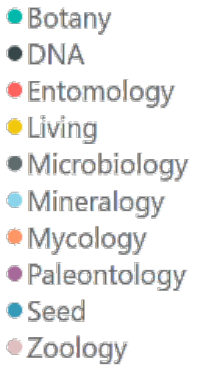
ELViS Components

- Registration for Virtual Access (VA)
- Registration for Transnational Access (TA)
- Peer Review for TA
- Loans transactions
- Visit transactions
- Digitisation on Demand transactions
- Dashboards
- Reporting
- Helpdesk
- People profiles
- Institute profiles
- Collection catalog
- Authentication and Authorisation Infrastructure (AAI)

ELViS will facilitate the placement, assessment, prioritisation and monitoring of requests for visits, loans and digitisation.

The DiSSCo Collection

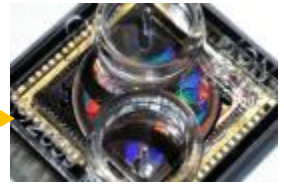


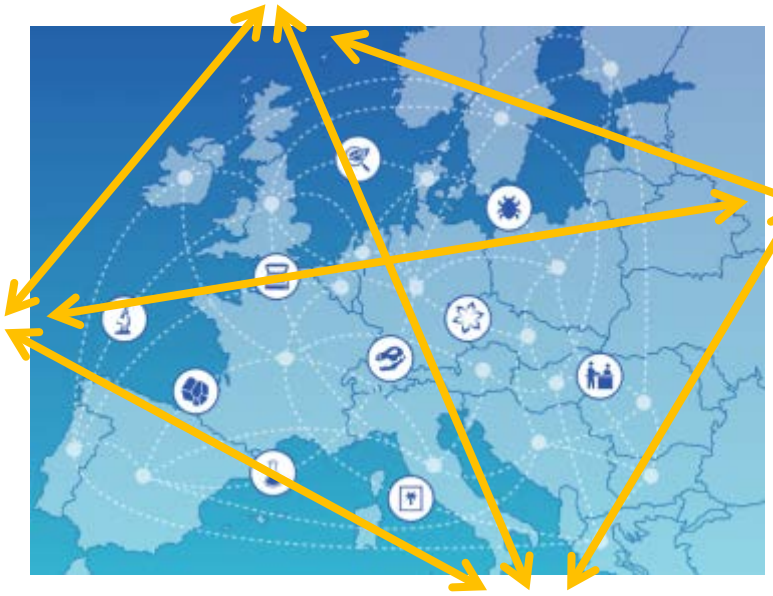


ELViS european loans and visit system

DiSSCo Distributed System of Scientific Collections

ELViS uses connected data from collections, specimen, institutes, facilities and people to provide efficient access to collection material





doi

Biodiversity Literature Repository

Various heterogeneous and authoritative data sources about Institution, People, Collections and Specimens

ELViS

Loan and Visit Transactions

Transnational Access

Helpdesk

Digitisation On Demand

Virtual Access

ELViS Dashboard

Publications Citing Collections and Specimens

Institution and People Profile

Ideas /Calls/ VA,TA proposal management

Report

Search/Discovery Tools

VA, TA proposal peer review

Federated Authentication

Museum / Organisation managed: Collection Management Systems Loan and Visit Management Systems

Other European Research Infrastructures

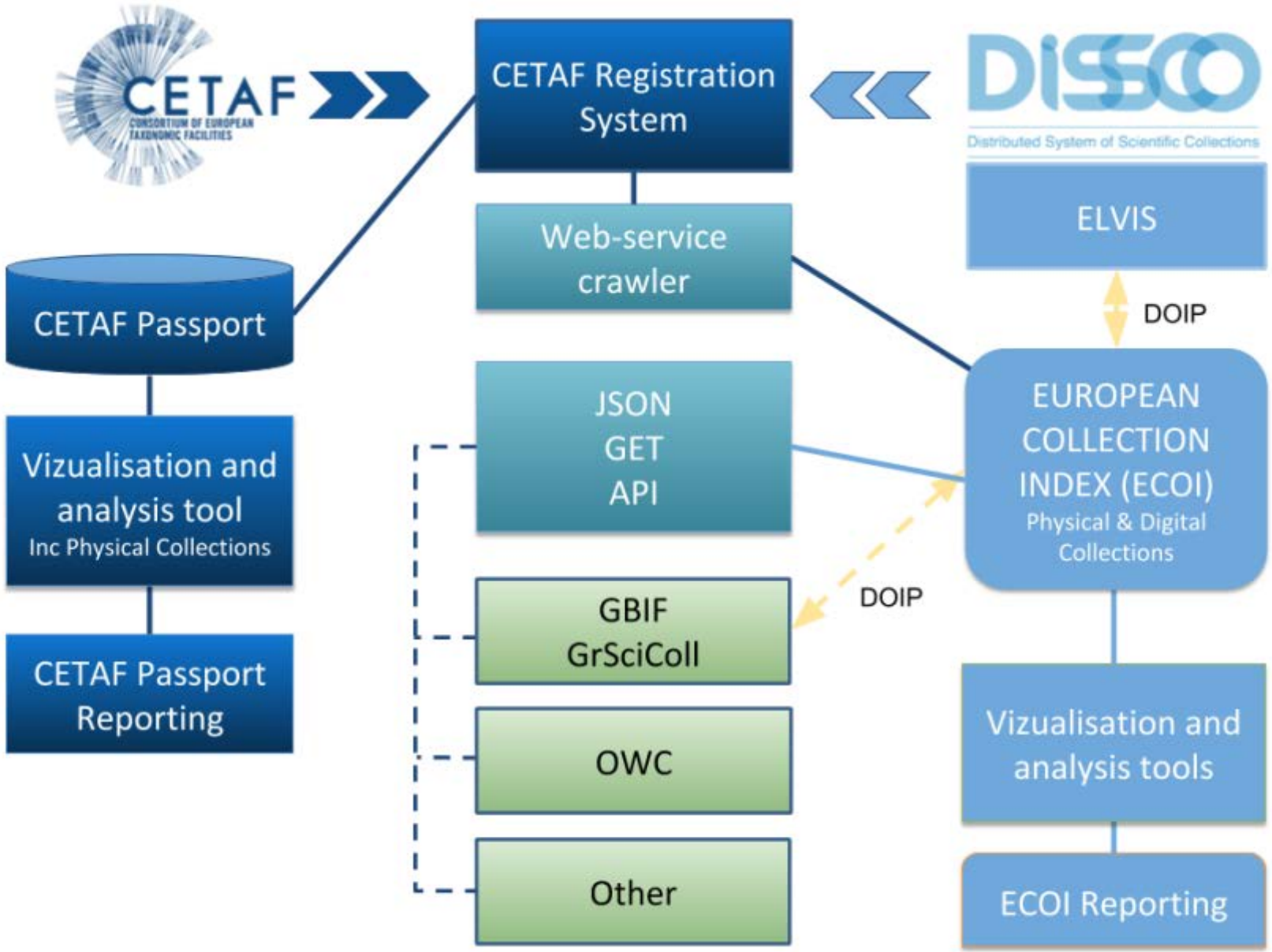
DiSSCo

Other DiSSCo Services

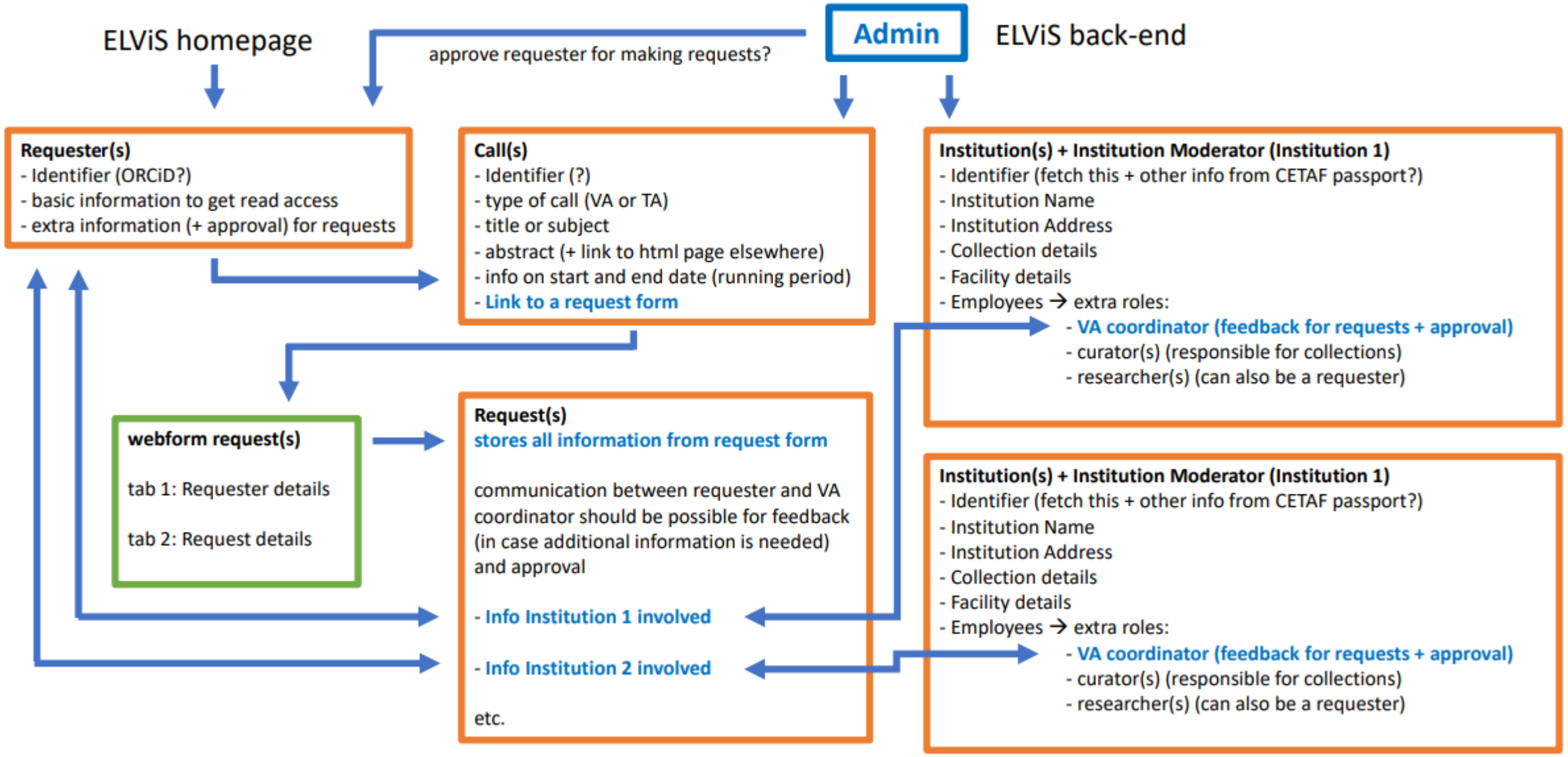
ELViS provides access to Institute Natural Science collections

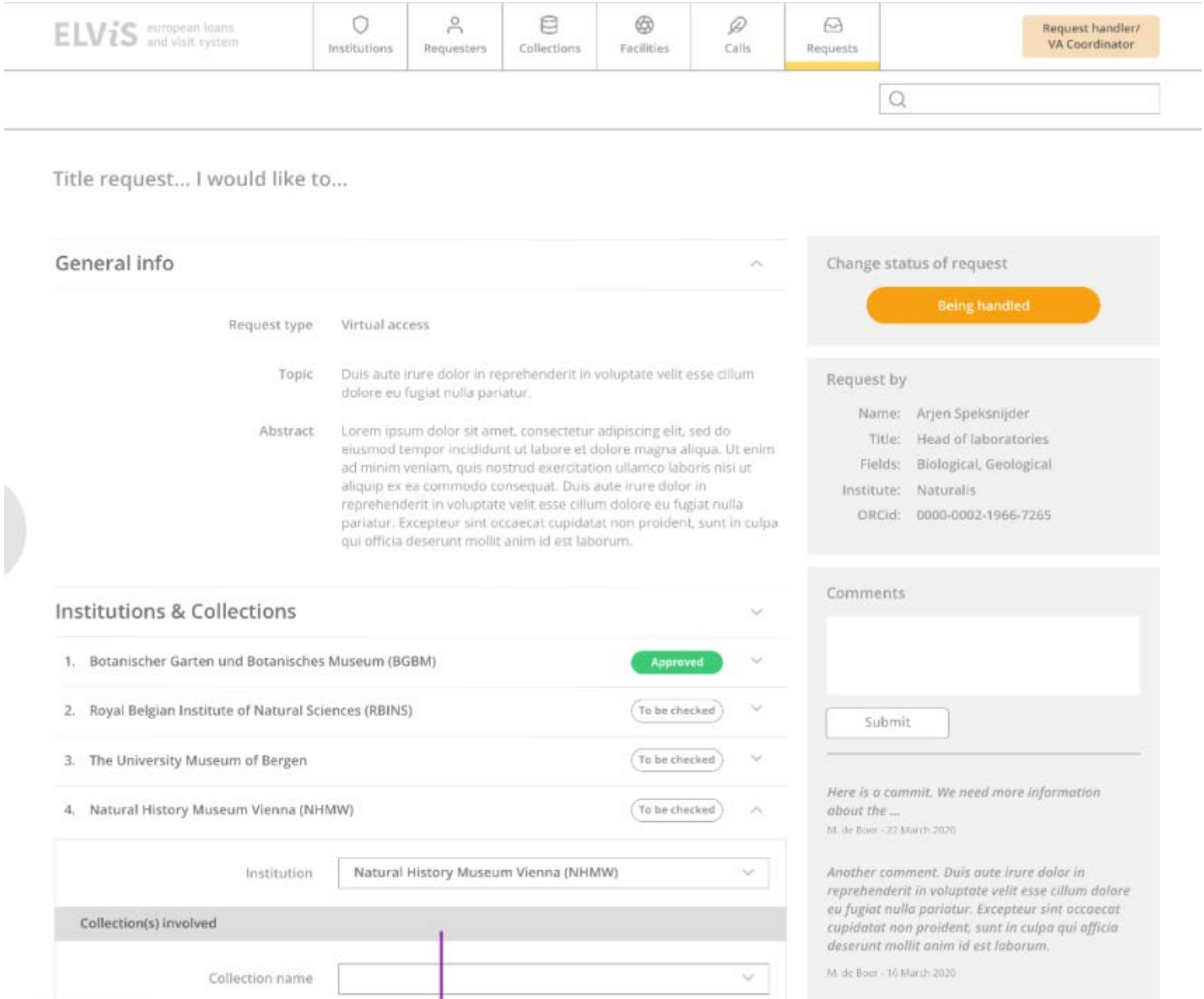
NS Collection class	Main characteristics	Examples
Institute NS Collection	• Institute ownership, • Focus on access • No overlap -can be described on institute level or other grouping of collections	• herbarium collection • zoo • yeast collection • minerals collection • collection of natural science related books • archive
Private NS Collection	Private person ownership	• bird eggs collection • pollen collection
Other NS Collection	• Aggregation from one or multiple institute or private owned collections • Needs to be a work of enduring reference and been put together as a systematic endeavour to make it a reference point*	• items that were collected or made by a particular person • items that came from the same place • a reference collection for environmental DNA sampling • all specimens collected on a research voyage "Other NS collections" are not datasets: • all pages of a digitized fieldbook • a group of records in a dataset or database • all specimens referenced within a single publication

Global Workflow



Virtual Access workflow




ELViS european loans and visit system
Institutions
Requesters
Collections
Facilities
Calls
Requests
Request handler/ VA Coordinator
Title request... I would like to...
General info
Request type
Virtual access
Topic
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
Abstract
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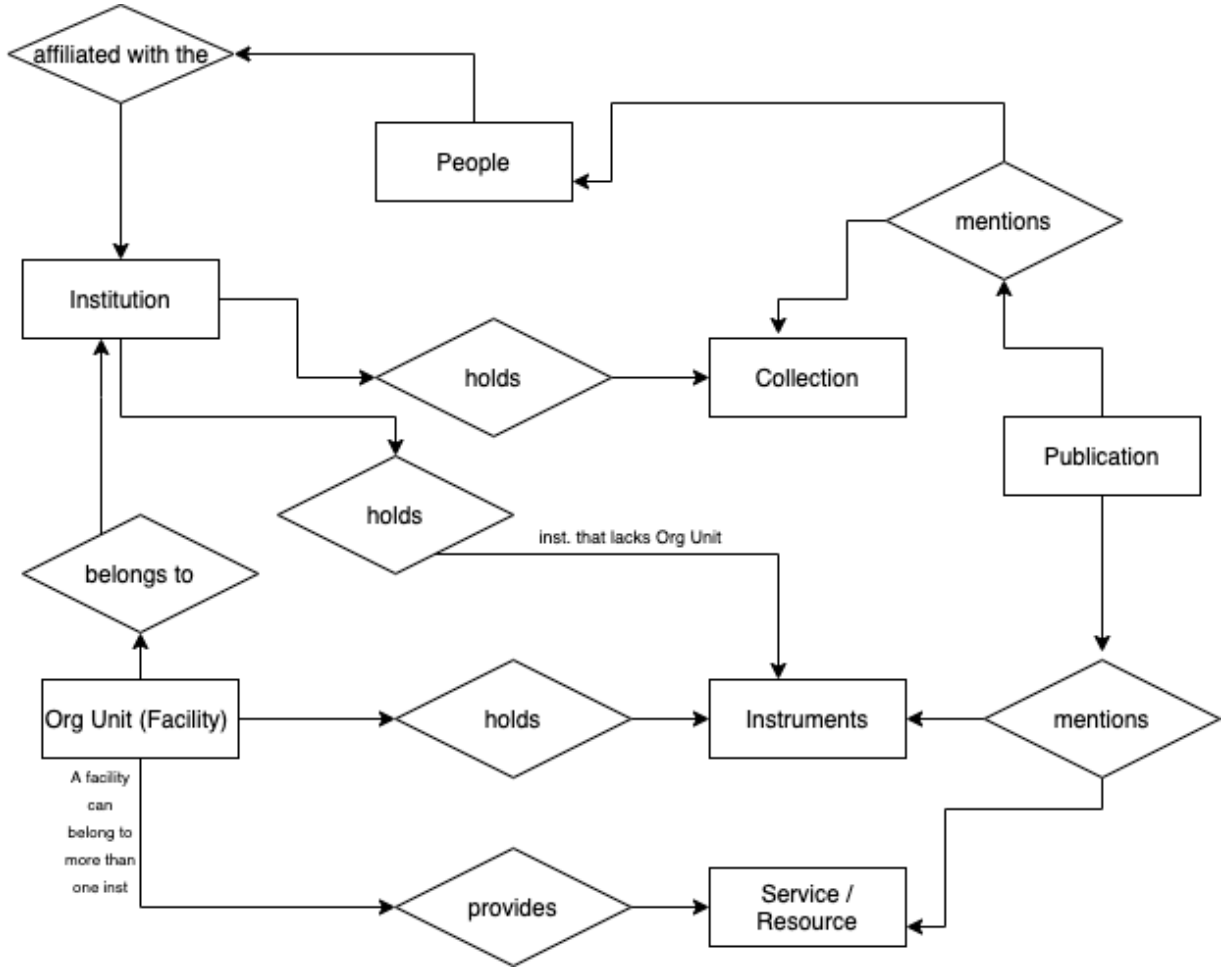
Institutions & Collections
1. Botanischer Garten und Botanisches Museum (BGBM) Approved
2. Royal Belgian Institute of Natural Sciences (RBINS) To be checked
3. The University Museum of Bergen To be checked
4. Natural History Museum Vienna (NHMW) To be checked
Institution
Natural History Museum Vienna (NHMW)
Collection(s) involved
Collection name
Change status of request
Being handled
Request by
Name: Arjen Speksnijder
Title: Head of laboratories
Fields: Biological, Geological
Institute: Naturalis
ORCid: 0000-0002-1966-7265
Comments
Submit
Here is a commit. We need more information about the ...
M. de Boer - 22 March 2020
Another comment. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
M. de Boer - 16 March 2020

Initial idea for selecting collections and equipment for a virtual access request

	Institution	APM	Naturalis	RBGK	LUOMUS	MNHN	UTARTU	NHM
What collections are you currently able to digitise?	Herbarium sheets	☑	☑	☑	☑	☑	☑	☑
	Microscope slides	☑	☑	☑	☑	☑	☐	☑
	Vertebrates specimens	☐	☑	☐	☑	☑	☑	☐
	Spirit material	☐	☑	☑	☑	☑	☑	☐
	Mineral specimens	☐	☑	☐	☐	☑	☑	☐
	Palaeontological	☐	☑	☐	☑	☑	☑	☐
	Anthropological	☐	☐	☑	☐	☑	☐	☐
	Pinned insects	☐	☑	☐	☑	☑	☑	☑
	Other	☐	☐	☑	☑	☐	☐	☐

Resources	Insitution	APM	Naturalis	RBGK	LUOMUS	MNHN	UTARTU	NHM
What equipment is available?	Macro photography setup (camera, stand & light source)	☑	☑	☑	☑	☑	☑	☑
	Image stacking photographic equipment	☑	☐	☐	☑	☑	☑	☑
	Multiple-camera setup (linked cameras, stand & light source)	☐	☑	☐	☐	☐	☐	☑
	Custom specimen digitisation hardware i.e. cradles, rigs, holders	☐	☐	☑	☑	☑	☐	☑
	Herbarium imaging setup (camera, lens, stand & light source)	☑	☑	☐	☑	☑	☐	☑
	Herbarium scanner	☐	☑	☑	☑	☑	☑	☐
	Flatbed scanner	☐	☑	☐	☑	☑	☑	☐
	Other scanner (please specify)	☐	☑	☐	☐	☐	☐	☑
	Infrared scanner	☐	☐	☐	☐	☐	☐	☐
	3D laser scanner	☐	☐	☐	☑	☑	☐	☑
	CT scanner	☐	☐	☐	☐	☑	☐	☑
	Micro-CT	☐	☐	☐	☐	☐	☐	☑
	X-ray	☐	☐	☑	☐	☑	☐	☑
	SEM	☑	☐	☐	☐	☑	☐	☑
	Automated slide scanner (please specify)	☑	☐	☑	☐	☑	☐	☑
	Semi-automated microscope (please specify)	☐	☐	☐	☐	☐	☐	☑
	Manual microscope (please specify)	☐	☐	☐	☑	☑	☑	☑
	Specialist microscope (please specify)	☑	☐	☐	☐	☑	☐	☑
	Other (please specify)	☐	☑	☐	☐	☐	☐	☐

Institutional profile in ELViS



Institute
The institute that holds the facility and provides the services. Similar term has been proposed for the TDWG Collection Description standards: Class:Institution · Issue #146 · tdwg/cd

Facility
Borrowing from the OBO Class:
Facility http://purl.obolibrary.org/obo/NCIT_C62574
Services and space and equipment provided for a particular purpose; a building or place that provides a particular service or is used for a particular industry.
Also Core laboratory / Core Facility : *A lab providing services such as training, protocols, or access to instruments or software*

Instrument
Borrowing from ERO ontology Class: Instrument
http://purl.obolibrary.org/obo/ERO_0000004
Material entity that is designed to have a function and play a role in scientific investigation.

Service
Borrowing from ERO ontology 'service offering'
http://purl.obolibrary.org/obo/ERO_0000005
An information content entity that describes a service performed by a person or organization with the objective of performing a technique, providing training, providing storage of data or material entities, or providing access to resources for another person or organization

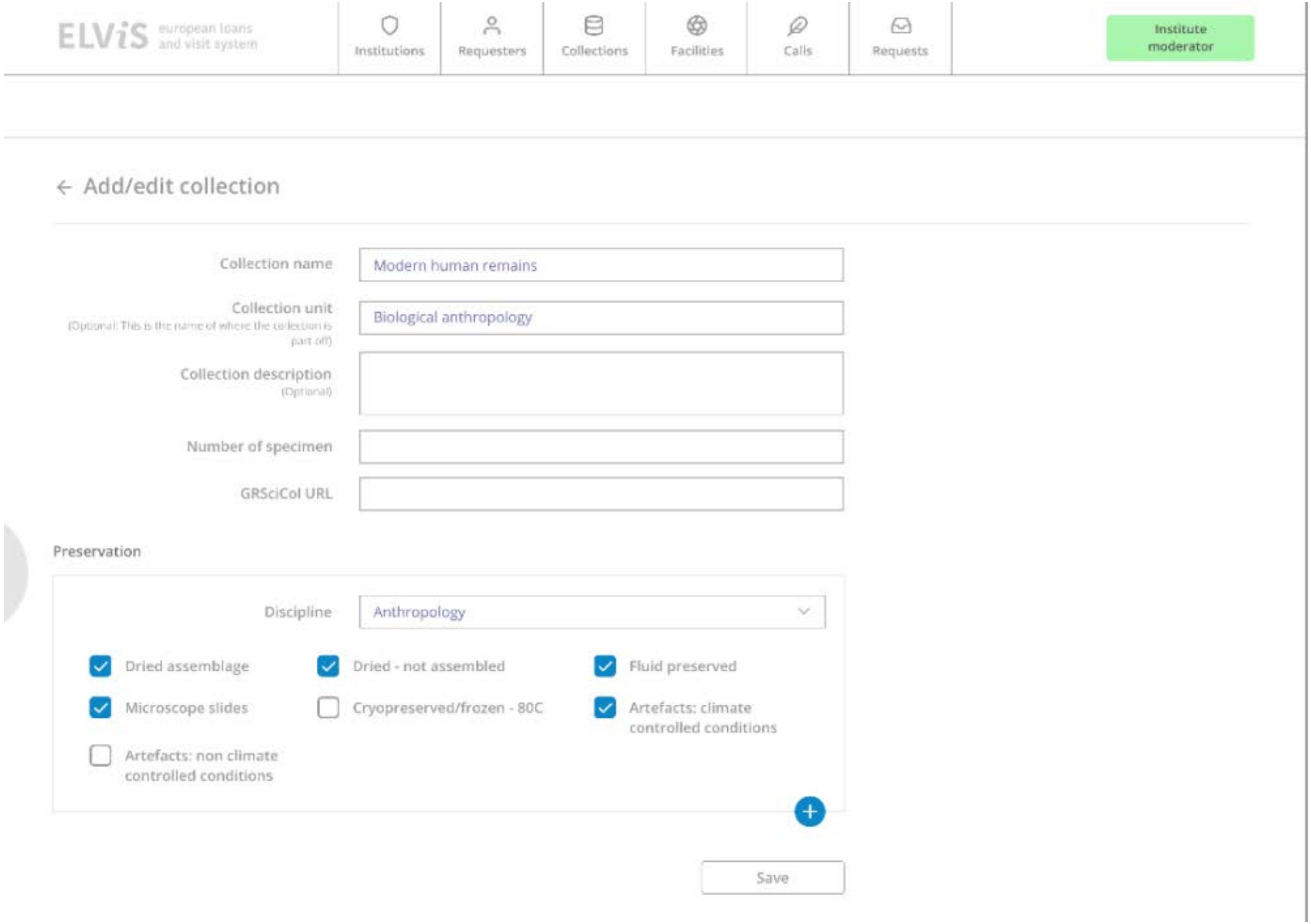
Facilities

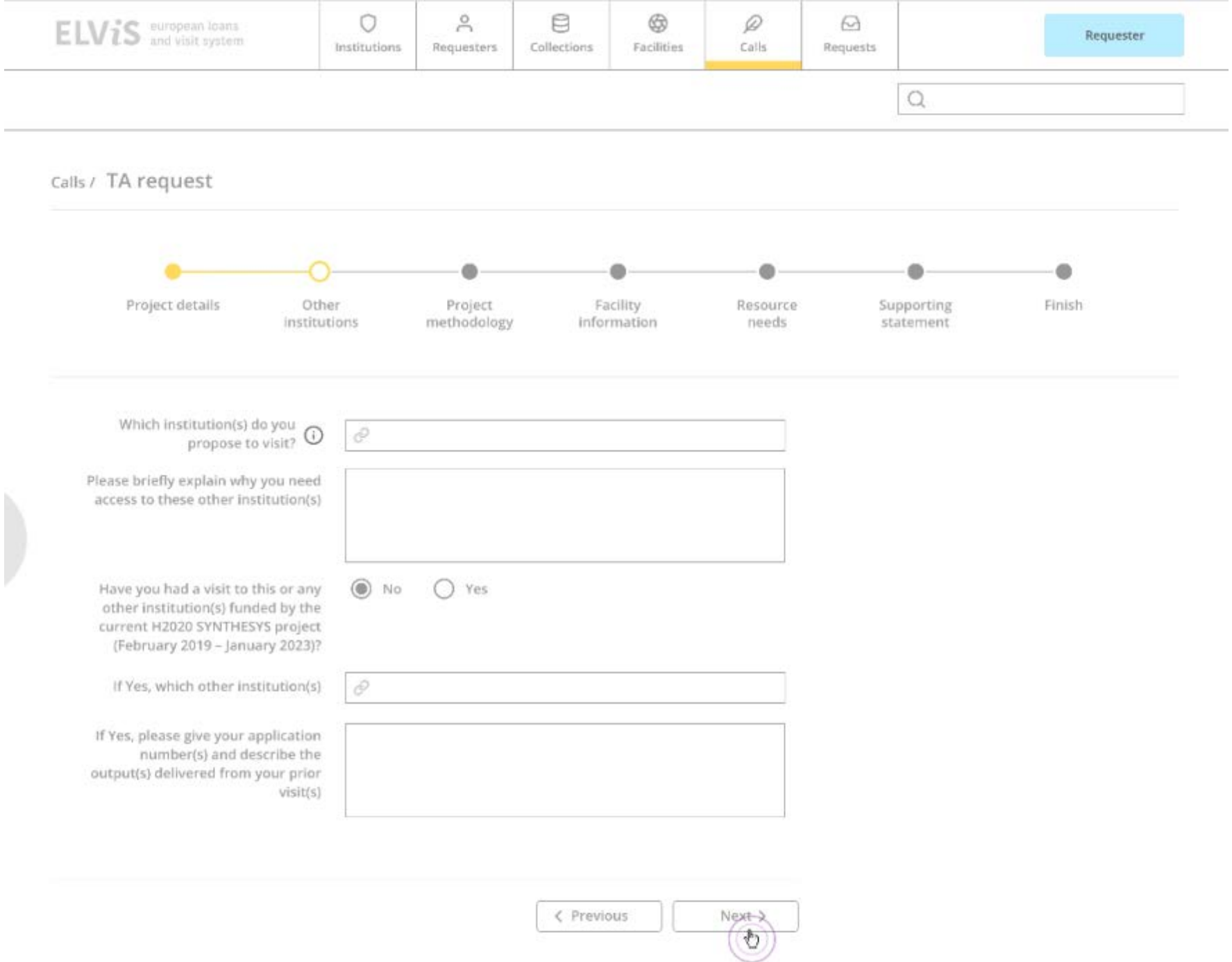
Laboratory name	Tools	Institute	Country
Geology lab	Micro raman, Xray, Faxitron, FITR en UV spectrofotometer, Orbis XRF	Naturalis Biodiversity Center	The Netherlands
Morphology lab	micro Ct scan, TEM, FEG-SEM-EDS, low vacuum SEM	Naturalis Biodiversity Center	The Netherlands
DNA Labs (several)	-	Bavarian Natural History Collections	Germany
DNA-Bank	-	Bavarian Natural History Collections	Germany
Service Area Laboratories	**SEM (Scanning electron microscopy), Optical microscopy - Multiple Stereo-/ Microscopes, Beckmann CEQ 8000 sequencer**	Botanic Garden and Botanical Museum Berlin	Germany

Service Area Laboratories

Spread over two locations, the laboratory facilities cover approximately 450 m2. Institutionally, the Service Area Laboratories is affiliated on one side to the Botanic Garden and Botanical Museum, Berlin, and on the other side to the Borsch Working Group at the Institute of Biology, Systematic Botany and Geography of Plants. Both institutions are part of the Freie Universität Berlin.

Tool name	Description
SEM (Scanning electron microscopy)	Hitachi SU-8010 FE-SEM
Optical microscopy - Multiple Stereo-/ Microscopes	incl. Fluorescence, equipped with high res. Cameras (Olympus, Leica, Zeiss)


ELViS european loans and visit system
Institutions
Requesters
Collections
Facilities
Calls
Requests
Institute moderator
← Add/edit collection
Collection name
Modern human remains
Collection unit
(Optional: This is the name of where the collection is part of)
Biological anthropology
Collection description
(Optional)
Number of specimen
GRSciCol URL
Preservation
Discipline
Anthropology
Dried assemblage
Dried - not assembled
Fluid preserved
Microscope slides
Cryopreserved/frozen - 80C
Artefacts: climate controlled conditions
Artefacts: non climate controlled conditions
Save


ELViS european loans and visit system
Institutions
Requesters
Collections
Facilities
Calls
Requests
Requester
Calls / TA request
Project details
Other institutions
Project methodology
Facility information
Resource needs
Supporting statement
Finish
Which institution(s) do you propose to visit?
Please briefly explain why you need access to these other institution(s)
Have you had a visit to this or any other institution(s) funded by the current H2020 SYNTHESYS project (February 2019 – January 2023)?
No
Yes
If Yes, which other institution(s)
If Yes, please give your application number(s) and describe the output(s) delivered from your prior visit(s)
Previous
Next