

International Training Centre for Environmental Research e.V. (ITCER)



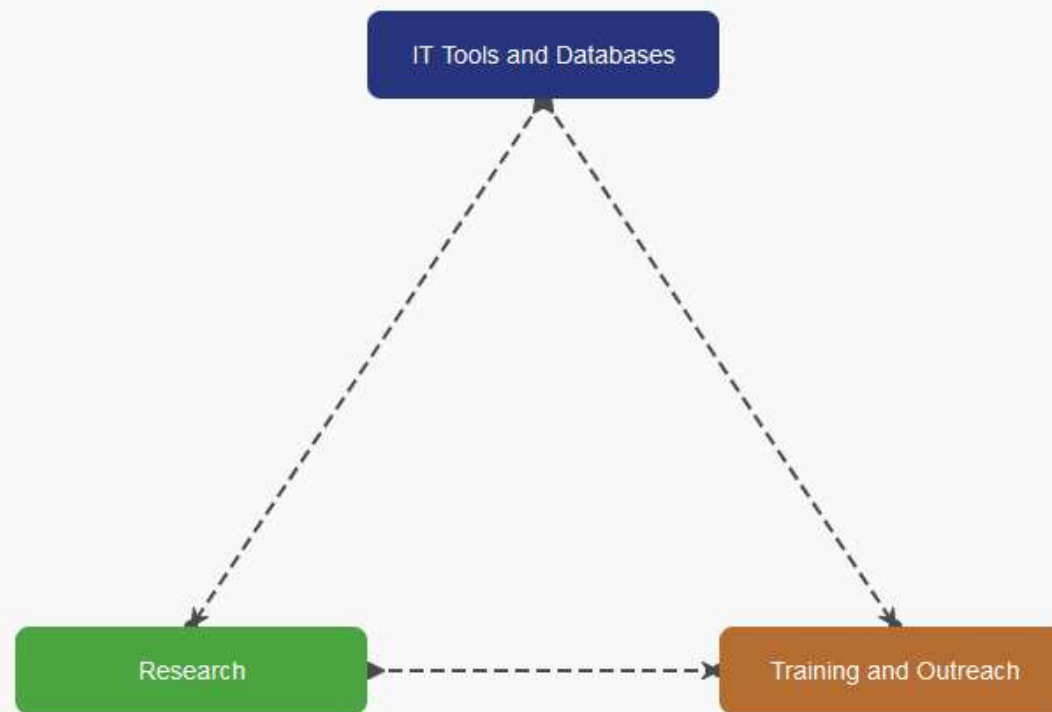
Agenda – Day 1

- 09:00 EAT: Arrival at ITCER (Participants)
- 10:00 EAT: Welcome and introduction to ITCER (Gerhard Rambold)
- 10:15 EAT: GBIF Africa Network and GBIF Kenya Node - Status quo (NN)
- 10:30 EAT: ITCER resources and tools for GBIF data preprocessing (Gerhard Rambold)
- 11:15 EAT: GBIF data paper publication overview (Tanja Weibulat)
- 11:30 EAT: ITCER as a GBIF data publisher - Guidelines (Dagmar Triebel)
- 11:45 EAT: Discussion
- 12:00 EAT: Lunch Break
- 13:30 EAT: ITCER terms, data policy, and roles for GBIF data publication
- 14:30 EAT: Endorsement of ITCER as a GBIF publisher - Technical recommendations
- 15:00 EAT: Summary and End of Day
- 18:30 EAT: Dinner in Siaya town

Agenda – Day 2

- 10:00 EAT: Welcome at ITCER (Gerhard Rambold)
- 10:15 EAT: Team work in small groups on data workflows
- 12:00 EAT: Lunch Break
- 13:30 EAT: Discussion on challenges and solutions for GBIF data publication
- 15:00 EAT: End of the Day

ITCER – Focus Points and Activities



Research Equipment Inventory

Item Name	Item Stock	Target Stock	Lab-Container #	Lab-Box #	Storage-Box #	Transport-Container #	Nikon SS-MS1 Bag	Amazonas Camera Box	Out In Lab	Sampling	Env. Sample Processing	DNA Extraction	PCR	Chemical Analysis	Cultivation	Microscopy	Photographic Analysis	Storage	Lab Maintenance	Equipment Maintenance	Consumable	Hardware	Software	Electronic Device
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Filter by Transformation: Grinded sample |
 Filter by Origin Date: TT . MM . JJJJ |
 Filter by ODC-Color: --- |
 Filter by ODC-Position: ---

Filter by UUID: |
 Filter by Preceding Object UUID: |
 Ctl:

Transformation	Origin Date	ODC-Color	ODC-Position	UUID	Processing Date	Agent	Status	Status Date	Ctl	Preceding Object UUID
Grinded samj	01 . 06 . 202	ORANGE	UP	64cde2fa-e821-44e2-9800-c6ce47f6023b	19 . 07 . 202	JO	Present	TT . MM . JJ.		92b01900-4428-4106-ba43-13f19ad837a4
Grinded samj	01 . 06 . 202	ORANGE	MID	8ef15d88-58d6-4276-9b2d-a229819dd162	19 . 07 . 202	JO	Present	TT . MM . JJ.		0988b91c-7093-4019-8bd3-bcb066d707e3
Grinded samj	01 . 06 . 202	ORANGE	DOWN	a81365ea-ae93-404d-b387-db0897e80da0	19 . 07 . 202	JO	Present	TT . MM . JJ.		744ef53a-376c-4fef-b290-47f5a4a6b4d1
Grinded samj	01 . 06 . 202	VIOLET	DOWN	1d8f5e9f-6442-487e-be31-07cef5938424	19 . 07 . 202	JO	Present	TT . MM . JJ.		7b1c2049-394f-4970-8ab4-65e504d21beb
Grinded samj	01 . 06 . 202	YELLOW	UP	2315d4b9-003a-4fbd-bfba-511de313d06d	19 . 07 . 202	JO	Present	TT . MM . JJ.		023b7d45-e510-46b8-a9da-93b81fd975cd
Grinded samj	01 . 06 . 202	RED	MID	70dcb133-3432-48af-8ff0-46f97539643d	19 . 07 . 202	JO	Present	TT . MM . JJ.		b2864638-2e80-4f5d-8a08-098b1f4f8293
Grinded samj	01 . 06 . 202	BLUE	DOWN	080d3a9b-b67b-4fe7-9356-67110f68789c	19 . 07 . 202	JO	Present	TT . MM . JJ.		b457bfc6-0dbe-4541-aae7-04363e5e334d
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Grinded samj	01 . 06 . 202	VIOLET	DOWN	080d3a9b-b67b-4fe7-9356-67110f68789c	19 . 07 . 202	JO	Present	TT . MM . JJ.		b457bfc6-0dbe-4541-aae7-04363e5e334d
Grinded samj	01 . 06 . 202	ORANGE	UP	01df7b92-4013-433a-8a9f-d9e7ac163829	19 . 07 . 202	JO	Present	TT . MM . JJ.		863801f0-e828-4ddb-a7fb-f0b8a899f541
Grinded samj	04 . 08 . 202	ORANGE	UP	01df7b92-4013-433a-8a9f-d9e7ac163829	19 . 07 . 202	JO	Present	TT . MM . JJ.		863801f0-e828-4ddb-a7fb-f0b8a899f541
Grinded samj	04 . 08 . 202	ORANGE	MID	fb77eee0-14f6-4e61-995b-0091dc8dc2fe	19 . 07 . 202	JO	Present	TT . MM . JJ.		76c32df4-712a-49b7-8a40-c746e6b846f9
Grinded samj	04 . 08 . 202	ORANGE	DOWN	08093d43-0d13-403e-b52a-7b46b11a2e68	19 . 07 . 202	JO	Present	TT . MM . JJ.		3d0f4a27-24f6-4f82-9162-1e952d9acce7



Upload Image from Smartphone

Tap to Select or Take Image

Select Image

Upload Image from Smartphone



Select Image

Latitude: 0.032878
Longitude: 34.362673
Altitude: 1408.7

Date Taken: 2024:07:03 17:03:18

Upload Image

Macrobiome Taxa Uploaded Images

Enter Taxon Name



Desmodium sp. – 29.09.2024
Camera Model: SM-G715FN **Date Taken:** 29.09.2024
Coordinates: Latitude: 0.067268, Longitude: 34.289828, Altitude: 641
File Name: MO_17276105535655449360207417899843_2024-09-29_14-49-24.jpg
UUID: 35b913f7-ee36-4ef1-83cc-5f760f83ac4



Periplaneta americana – 01.10.2024
Camera Model: SM-G715FN **Date Taken:** 01.10.2024
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/ – 04.10.2024
Camera Model: SM-G398FN **Date Taken:** 04.10.2024
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Mimosa – 04.10.2024
Camera Model: SM-G398FN **Date Taken:** 04.10.2024
Coordinates: Latitude: 0.033098, Longitude: 34.362828, Altitude: N/A
File Name: MO_1728046392988621711622475717911_2024-10-04_15-53-42.jpg
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Markhamia lutea – 05.10.2024
Camera Model: SM-G398FN **Date Taken:** 05.10.2024
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/ – 05.10.2024
Camera Model: SM-G398FN **Date Taken:** 05.10.2024
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Desmodium sp. – 29.09.2024
Camera Model: SM-G715FN **Date Taken:** 29.09.2024
Coordinates: Latitude: 0.067268, Longitude: 34.289828, Altitude: 641
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[Delete](#)



Mimosa – 04.10.2024
Camera Model: SM-G398FN **Date Taken:** 04.10.2024
Coordinates: Latitude: 0.033098, Longitude: 34.362828, Altitude: N/A
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[Delete](#)



Previous



Mimosa pigra (Fabaceae, Mimosoideae, Mimoseae) — 10.10.2023
New Taxon Name



Mimosa pigra (Fabaceae, Mimosoideae, Mimoseae) — 10.10.2023
New Taxon Name



Mimosa pigra (Fabaceae, Mimosoideae, Mimoseae) — 10.10.2023
New Taxon Name



Bombomyia discoides (Bombyliidae, Bombyliinae, Bombyliini) and *Mimosa pigra* (Fabaceae, Mimosoideae, Mimoseae) — 01.07.2023

New Taxon Name



Bombomyia discoides (Bombyliidae, Bombyliinae, Bombyliini) and *Mimosa pigra* (Fabaceae, Mimosoideae, Mimoseae) — 01.07.2023

New Taxon Name



Mimosa pigra (Fabaceae, Mimosoideae, Mimoseae) — 23.05.2023

New Taxon Name



Mimosa pigra (Fabaceae, Mimosoideae, Mimoseae) — 10.10.2023

fruits

- Select Identifier / Revisor
- Bengtsson, Bengt A.
- Haeuser, Christoph
- de Freina, Josef
- Fleischmann, Andreas
- Haiduk, Eva
- Hausmann, Axel
- Holstein, Joachim
- Kment, Petr
- de Prins, Willy
- Schweiger, Julienne
- Wendt, Ingo



Mimosa pigra (Fabaceae, Mimosoideae,

New Taxon Name









Select a KML File

ITCER Site

Select Area

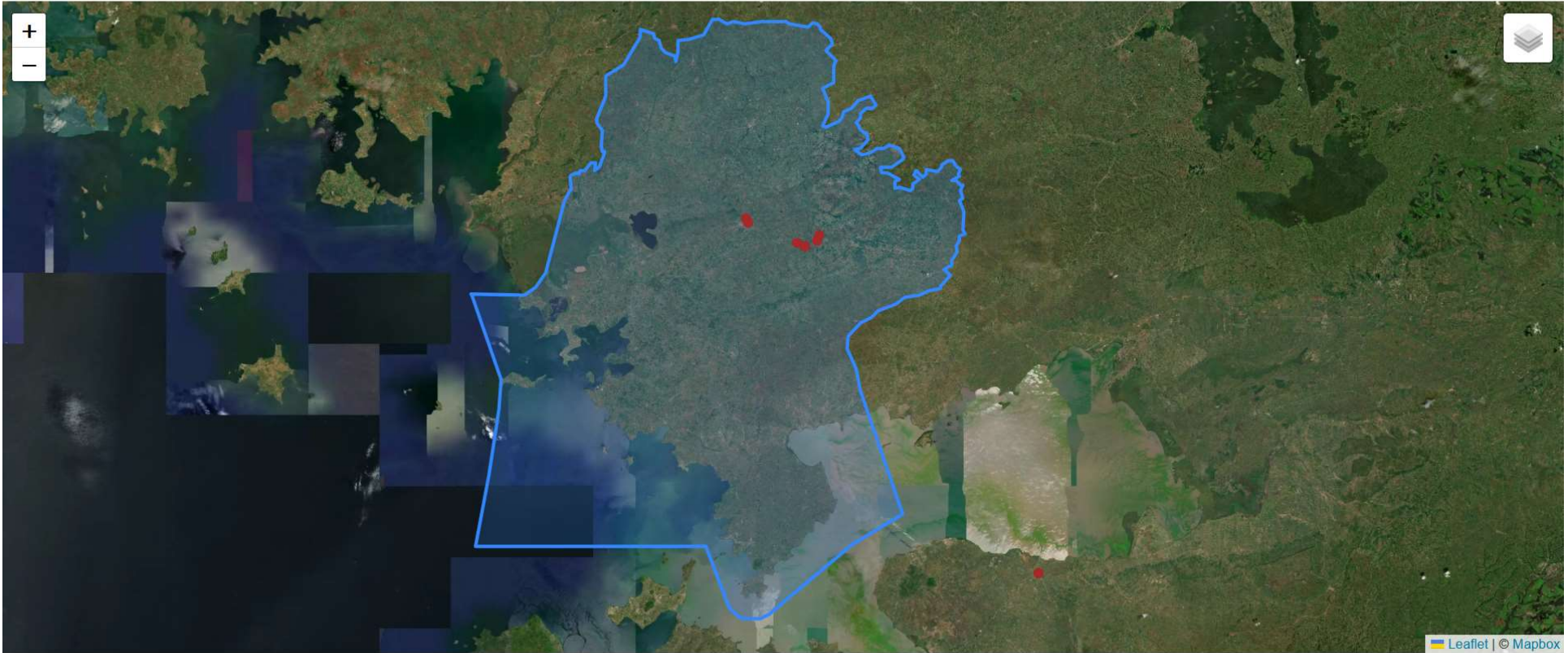
Siaya

Enter Taxon Name

i

Fetch Taxon Occurrences

Refresh



Select a KML File

ITCER Site

Select Area

Siaya

Enter Taxon Name

indet

Fetch Taxon Occurrences

Refresh





ca. 0.8 ha

> 5,000 images

> 800 species (incl. Indet.)



GBIF Species Occurrences

Enter Taxon Name:

Mimosa pigra

Select Area:

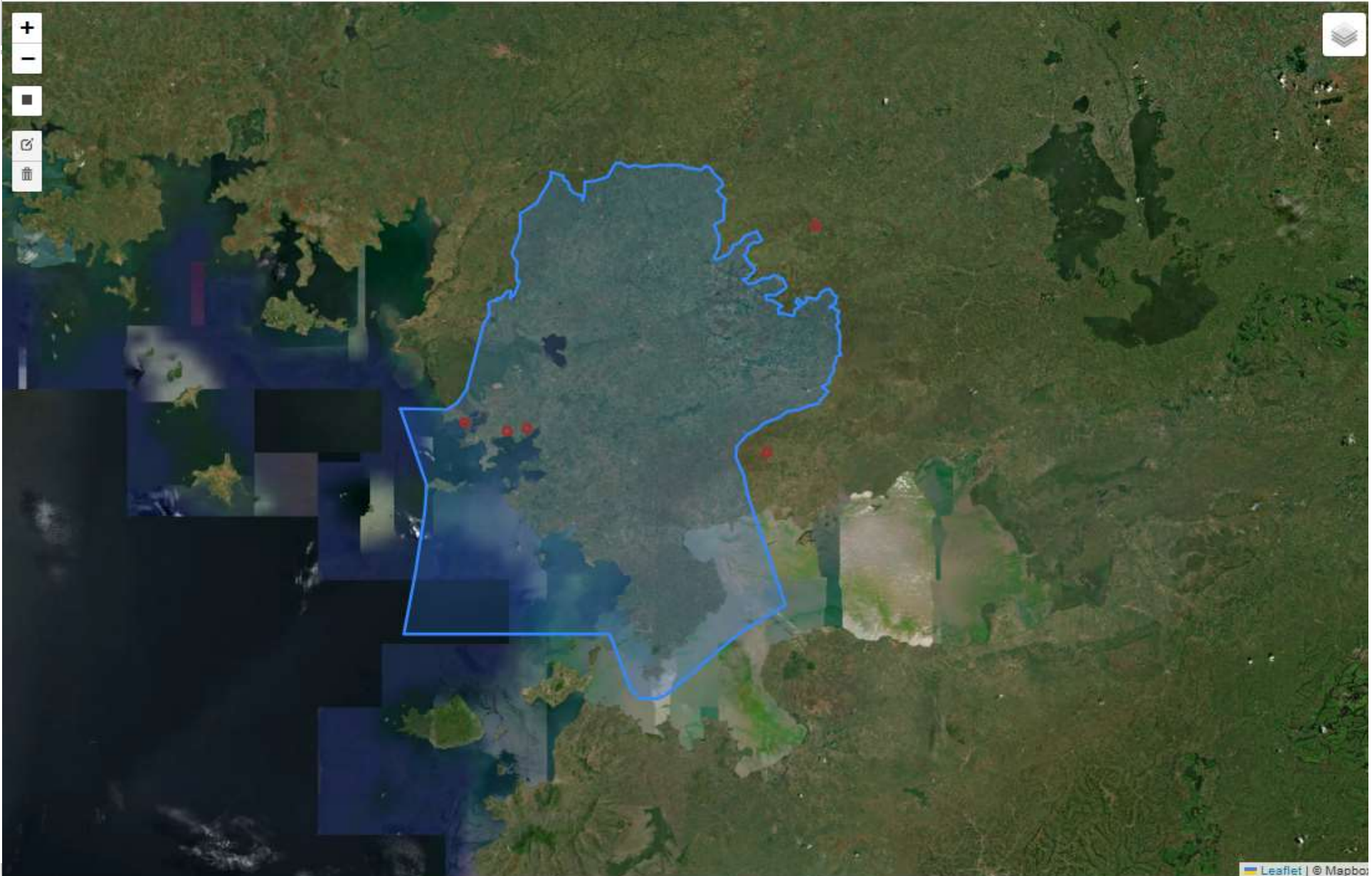
Siaya

Limit of Records:

300

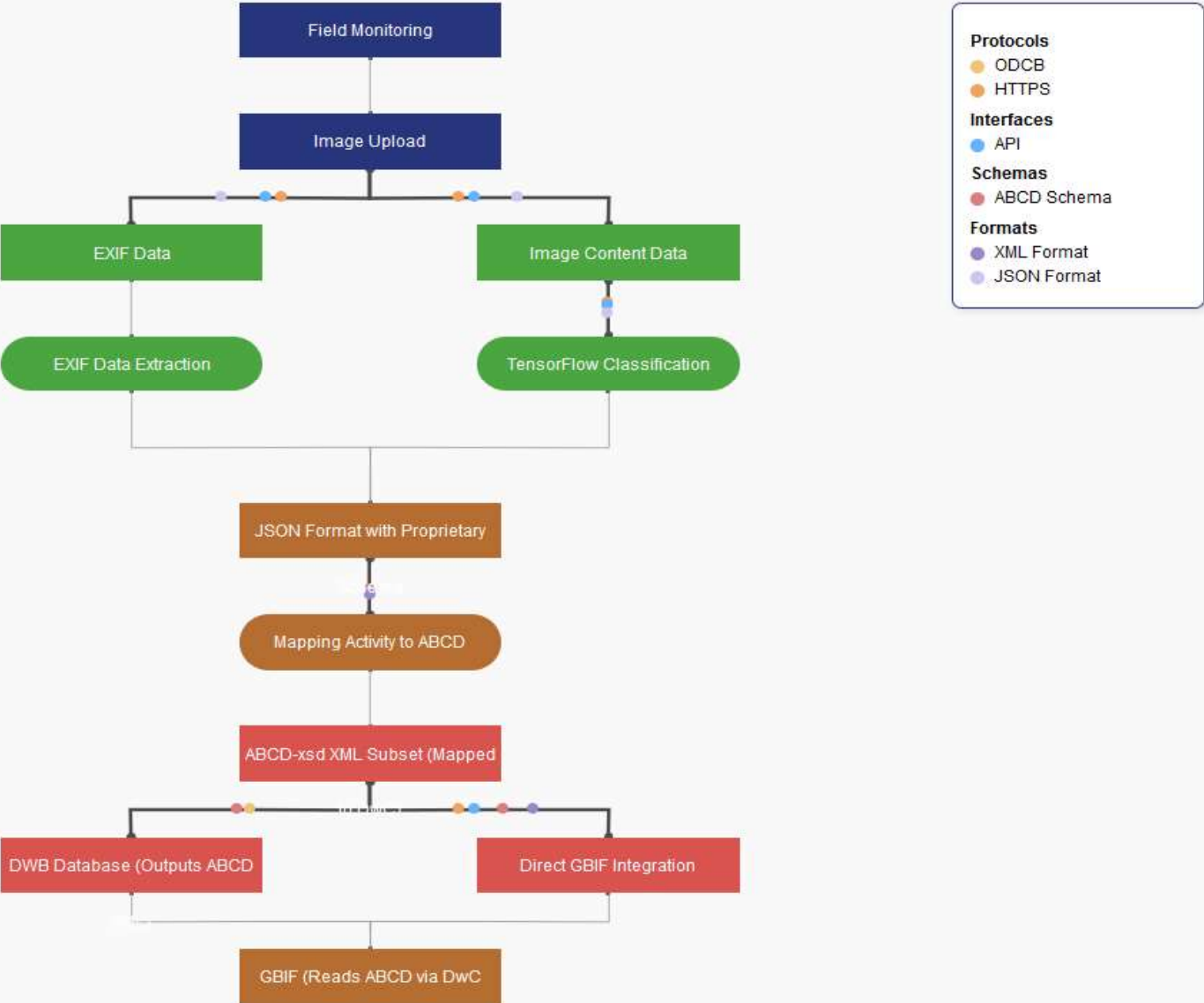
Fetch Taxon Occurrences

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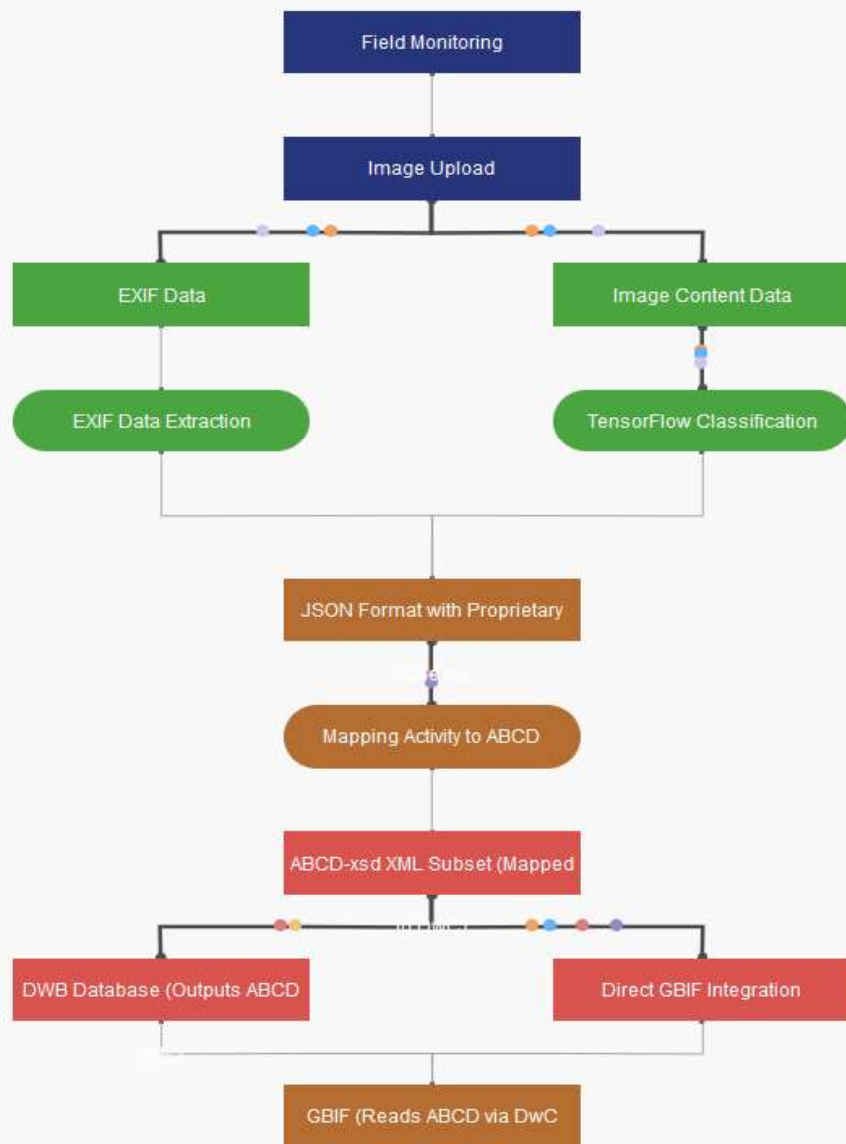
Biodiversity Monitoring Workflow

From Field Monitoring to GBIF Integration with ABCD and DwC Mapping



Biodiversity Monitoring Workflow

From Field Monitoring to GBIF Integration with ABCD and DwC Mapping



Protocols

- ODCB
- HTTPS

Interfaces

- API

Schemas

- ABCD Schema

Formats

- XML Format
- JSON Format

Latitude: 0.032878
Longitude: 34.362673
Altitude: 1408.7
Date Taken: 2024:07:03 17:03:18



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ABCD Subset based on DwC (xsd format)

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  <xs:element xmlns:ns0="http://www.w3.org/ns/sawSDL" name="PlatformName" type="String" minOccurs="0" ns0:modelReference="http://rs.tdwg.org/abcd/terms/platformName"/>
  <xs:element xmlns:ns1="http://www.w3.org/ns/sawSDL" name="LocalityText" type="StringL" minOccurs="0" ns1:modelReference="http://rs.tdwg.org/abcd/terms/localityText"/>
  <xs:element xmlns:ns2="http://www.w3.org/ns/sawSDL" name="NearbyPlaceName" type="StringL" minOccurs="0" ns2:modelReference="http://rs.tdwg.org/abcd/terms/nearbyPlaceName"/>
  <xs:element xmlns:ns3="http://www.w3.org/ns/sawSDL" name="LongitudeDecimal" type="decimalLongitudeDataType" minOccurs="0" ns3:modelReference="http://rs.tdwg.org/abcd/terms/longitudeDecimal"/>
  <xs:element xmlns:ns4="http://www.w3.org/ns/sawSDL" name="LatitudeDecimal" type="decimalLatitudeDataType" minOccurs="0" ns4:modelReference="http://rs.tdwg.org/abcd/terms/latitudeDecimal"/>
  <xs:element xmlns:ns5="http://www.w3.org/ns/sawSDL" name="Name" type="StringL" minOccurs="0" ns5:modelReference="http://rs.tdwg.org/abcd/mappings/Biotope-Name"/>
  <xs:element xmlns:ns6="http://www.w3.org/ns/sawSDL" name="Name" type="StringL" minOccurs="0" ns6:modelReference="http://rs.tdwg.org/abcd/mappings/NamedArea-Name"/>
  <xs:element xmlns:ns7="http://www.w3.org/ns/sawSDL" name="Owner" type="Contact" minOccurs="0" ns7:modelReference="http://rs.tdwg.org/abcd/mappings/Unit-Owner"/>
  <xs:element xmlns:ns8="http://www.w3.org/ns/sawSDL" name="Owner" type="Contact" minOccurs="0" ns8:modelReference="http://rs.tdwg.org/abcd/mappings/SpecimenUnit-Owner"/>
  <xs:element xmlns:ns9="http://www.w3.org/ns/sawSDL" name="TypifiedName" type="ScientificName" minOccurs="0" ns9:modelReference="http://rs.tdwg.org/abcd/mappings/TypifiedName"/>
  <xs:element xmlns:ns10="http://www.w3.org/ns/sawSDL" name="AssemblageName" type="StringL" minOccurs="0" ns10:modelReference="http://rs.tdwg.org/abcd/mappings/Assemblage-Name"/>
  <xs:element xmlns:ns11="http://www.w3.org/ns/sawSDL" name="CollectorName" type="String" minOccurs="0" ns11:modelReference="http://rs.tdwg.org/abcd/mappings/FieldNumber-CollectorName"/>
  <xs:element xmlns:ns12="http://www.w3.org/ns/sawSDL" name="Sex" type="SexCodeEnum" minOccurs="0" ns12:modelReference="http://rs.tdwg.org/abcd/terms/Sex"/>
  <xs:element xmlns:ns13="http://www.w3.org/ns/sawSDL" name="ISODateTimeBegin" type="DateTimeISO" minOccurs="0" ns13:modelReference="http://rs.tdwg.org/abcd/terms/timeSpanBegin"/>
  <xs:element xmlns:ns14="http://www.w3.org/ns/sawSDL" name="ISODateTimeEnd" type="DateTimeISO" minOccurs="0" ns14:modelReference="http://rs.tdwg.org/abcd/terms/timeSpanEnd"/>
  <xs:element xmlns:ns15="http://www.w3.org/ns/sawSDL" name="Sex" type="String" minOccurs="0" ns15:modelReference="http://rs.tdwg.org/dwc/terms/sex"/>
  <xs:element xmlns:ns16="http://www.w3.org/ns/sawSDL" name="CodecName" type="String" minOccurs="0" ns16:modelReference="http://rs.tdwg.org/abcd/terms/codecName"/>
  <xs:element name="Name" type="Label"/>
  <xs:element name="PersonName">
    <xs:element xmlns:ns17="http://www.w3.org/ns/sawSDL" name="FullName" type="String255" ns17:modelReference="http://rs.tdwg.org/abcd/terms/fullName"/>
    <xs:element xmlns:ns18="http://www.w3.org/ns/sawSDL" name="SortingName" type="String255" minOccurs="0" ns18:modelReference="http://rs.tdwg.org/abcd/terms/sortingName"/>
    <xs:element name="AtomizedName" minOccurs="0">
      <xs:element xmlns:ns19="http://www.w3.org/ns/sawSDL" name="InheritedName" type="String255" ns19:modelReference="http://rs.tdwg.org/abcd/terms/inheritedName"/>
      <xs:element xmlns:ns20="http://www.w3.org/ns/sawSDL" name="PreferredName" type="String255" minOccurs="0" ns20:modelReference="http://rs.tdwg.org/abcd/terms/preferredName"/>
    </xs:element>
  </xs:element>
  <xs:element xmlns:ns21="http://www.w3.org/ns/sawSDL" name="InfrasubspecificName" type="String" minOccurs="0" ns21:modelReference="http://rs.tdwg.org/abcd/terms/infrasubspecificName"/>
  <xs:element xmlns:ns22="http://www.w3.org/ns/sawSDL" name="CultureName" type="StringL" maxOccurs="unbounded" ns22:modelReference="http://rs.tdwg.org/abcd/terms/cultureName"/>
  <xs:element xmlns:ns23="http://www.w3.org/ns/sawSDL" name="AccessionName" type="String" maxOccurs="unbounded" ns23:modelReference="http://rs.tdwg.org/abcd/terms/accessionName"/>
  <xs:element xmlns:ns24="http://www.w3.org/ns/sawSDL" name="Name" type="StringL" minOccurs="0" ns24:modelReference="http://rs.tdwg.org/abcd/mappings/Country-Name"/>
  <xs:element xmlns:ns25="http://www.w3.org/ns/sawSDL" name="ISO3166Code" type="String" minOccurs="0" ns25:modelReference="http://rs.tdwg.org/abcd/terms/iso3166Code"/>
  <xs:element xmlns:ns26="http://www.w3.org/ns/sawSDL" name="LowerValue" type="StringL" ns26:modelReference="http://rs.tdwg.org/abcd/terms/lowerValue"/>
  <xs:element xmlns:ns27="http://www.w3.org/ns/sawSDL" name="UpperValue" type="StringL" minOccurs="0" ns27:modelReference="http://rs.tdwg.org/abcd/terms/upperValue"/>
  <xs:element xmlns:ns28="http://www.w3.org/ns/sawSDL" name="Owner" type="Contact" maxOccurs="unbounded" ns28:modelReference="http://rs.tdwg.org/abcd/mappings/Owner http://rs.tdwg.org/abcd/mappings/DataSet-Owner"/>
  <xs:element xmlns:ns29="http://www.w3.org/ns/sawSDL" name="ScientificName" type="ScientificNameIdentified" minOccurs="0" ns29:modelReference="http://rs.tdwg.org/abcd/terms/ScientificName"/>
  <xs:element xmlns:ns30="http://www.w3.org/ns/sawSDL" name="InformalName" type="StringL" minOccurs="0" ns30:modelReference="http://rs.tdwg.org/abcd/terms/informalName"/>
  <xs:element xmlns:ns31="http://www.w3.org/ns/sawSDL" name="CultivarGroupName" type="String" minOccurs="0" ns31:modelReference="http://rs.tdwg.org/abcd/terms/cultivarGroupName"/>
  <xs:element xmlns:ns32="http://www.w3.org/ns/sawSDL" name="CultivarName" type="String" minOccurs="0" ns32:modelReference="http://rs.tdwg.org/abcd/terms/cultivarName"/>
</xs:schema>
```

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