

- We are international, biodiversity data scientists
- We facilitate the development, maintenance and adoption of biodiversity standards.
- We organize online and at physical meetings to bring the community together.
- We make a bridge between nations, institutions, projects, people and data.

Biodiversity
Information
Standards
TDWG

Think globally, act locally

Support standards
development

Greater adoption of
standards

Greater use of data
and images

Interoperability: a political, not a technical problem

Data policies

Selling the dream

Giving people a stake

Task 4.1

- Biodiversity data standards: landscape analysis and compliance
- Meise Botanic Garden
- What standard are desperately needed by the community?
- Creating a forum for standards development.
- How can we make the process faster?

Task 4.2

- Adoption and development of the CETAF stable identifier framework
- BGBM
- Increase adoption
- Standardize implementation
- Prototype Semantic specimen catalogue

Task 4.3

- International Image Interoperability Framework (IIIF) API Specifications
- Royal Botanic Garden Edinburgh
- 10 Implementations!
- Integration of identifiers and image servers
- Outreach to encourage adoption

Del 4.1

- Standards Report (Developing + extending standards in the biodiversity informatics domain)
- Landscape analysis
- Guidelines of developing standards and getting them used

Del 4.2

- Identifier management for curators
- A guide to stable URIs for specimens
- From a policy and technical standpoint

Del 4.3

- Implementation manual for IIF and CETAF Identifiers in the NH collections community
- How to make images more accessible for all kinds of applications
 - Analysis
 - Traits
 - Reading labels
 - etc



Open Science

FAIR Data Principles
Simplicity



Publications

Getting the message to
the right audience



Open Source

Shared development
Teamwork



Social Media

Rapid communication
Learning
Community

Key connectivity to DiSSCo

Mobilise
CA17106

ICEDIG

DiSSCo Prepare?

Key connectivity to other initiatives

iDigBio

Atlas of Living
Australia

ISTC

Key connectivity to other initiatives

ISNI

GGBN

GBIF

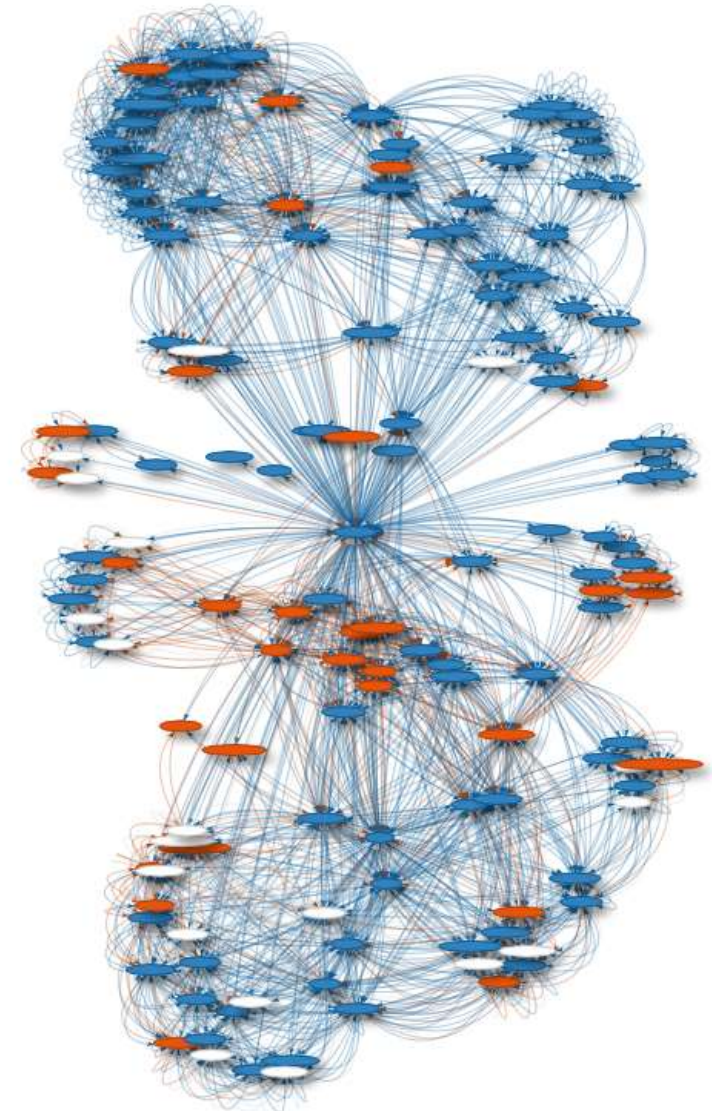
Key connectivity to other initiatives

Wikimedia

Index
Herbariorum

Linbi

- *What is going on outside SYNTHESYS that affects your WP?*
 - The creation of a Collection Descriptions Interest Group in TDWG
 - The Research Organization Registry
 - GRBio on GBIF
- More broadly...
- Next generation sequencing
 - eDNA
 - Genomes
- Seedbanks
- Taxonomy
 - International Association for Plant Taxonomy
 - International Code of Zoological Nomenclature
- Ecology
 - Traits
- Conservation
 - IUCN Redlist



- *What are the overlaps / adjustments?*
 - We need to consult widely
 - NA2: Harmonisation of policies and best practices, training and support
 - NA3: Molecular Collections in the age of genomics - Standards & Processes
 - JRA1: Optimisation of Access
 - JRA3: Specimen Data Refinery



- *What are the market needs and are they changing? If so, how?*
 - Collection Descriptions
 - Identifying people
 - Typification



- *What are the prospects for uptake of your WP's outputs?*
 - There is a strong pull on the outputs from users of specimens and the data they contain.
 - There however is a question over the commitment of institutions pushing out these data.
- *Which policies / legislation is your WP restricted by, and which can be used to our advantage?*
 - Data management plans and open access policies will help us.
 - Copyright, GDPR and the Nagoya Protocol often restrict us, mainly because we do not understand them and are too cautious.
- *What are the technological advances in the field?*
 - PIDs galore
 - Wikidata
 - JPG2000



- Working Group 2 meeting of COST Action Mobilize in Sofia
- Key stakeholders

Who is engaging in the WP?

Infrastructures, standards organizations and many others!

Who is driving it?

1. Many partners, little time
2. Implementation in the short time frame
3. The limited travel budget
4. Coordination with other work packages.
5. Coordination with other projects.
6. Coordination outside of Europe
7. Sustainability

