2019 Elixir Plant Community Annual General Meeting  
Lisbon, ELIXIR All Hands, Tuesday June the 18th

Attendees

Cyril Pommier (FR), Célia Miguel (PT), Anne-Françoise Adam-Blondon (FR), Daniel Faria (PT), Bert Droesbeke (BE), Heidrun Gundlach (DE), Paul Kersey (Biodiversity), Uwe Scholz (DE), Daniel Arend (DE), Chris Rawlings (UK node), Eliana Papoutsoglou (NL), Nelson Saibo (PT), Pedro Barros (PT), Bruno Costa (PT), Inês Chaves (PT), Luis Ángel Rodriguez Lumbreras (ES node), Matthias Lange (DE), John Hancock (Hub), Frederik Coppens (BE) Remote: Alessandro Cestaro (IT), Silvio CE Tosatto (IT), Hanna Cwiek (Poland), Kristina Gruden (SL), Ziva Ramsak (SL), Marc Rossello (EBI), Bruno Contreras (EBI),

Decisions and Actions items

- Need to update the Plant Sciences Community web page ([https://elixir-europe.org communitiess/plant-sciences](https://elixir-europe.org/communities/plant-sciences)). Involve the whole community in the rewriting. Include a vision statement towards data analysis. (Plant community leaders).
- Call on search governance and future search functionalities. In particular, do we limit the search to metadata search as it is or do we try to develop image or SNP profile based search, with a caution not to redo what is already done. (Cyril Pommier).
- Validator ISA Tab MIAPPEv1.1 is a breakthrough that needs to be put forward for the community. (Daniel Faria & Bert Droesbeke & Eliana Papoutsoglou).
- Organize a call with the whole Plant community around BrAPI2ISA (Bert & Daniel Faria).

Partners Presentation & National activities

- Elixir-GE de.NBI: services & training (Uwe Scholz)
- Elixir-FR/IFB (Anne-Françoise Adam-Blondon)
- ELIXIR-UK (Nicola Soranzo)
- Elixir-PT/Biodata (Célia Miguel)
- Elixir-SL (Ziva Ramsak)
Discussion of the general objectives of the community

We stated that the scope of the Elixir Plant community is not limited to Crops and Forests trees species but can encompass Wild Species as studied in institutes such as Kew Gardens. We don’t see any reason preventing the use of existing and future development and results to study wild species. Furthermore, the study of wild species could be of increased importance in the future to cope with agriculture evolutions (agro-ecology, green chemistry, ...)

A draft of the objectives of the community, focused on technologies and data types workflow, has been presented and discussed.

In this schema, Phenotype encompass Environment, a subject which is developed in close collaboration with Emphasis.

Data Analysis work plan: So far, we have focused our efforts on the Findability and the Interoperability of the data, first with phenotype then genotype and it will be extended to other data types in the near future. But those data will need to be brought to data analysis environment: in the cloud, web based or simply on user’s workstations. Indeed, our end user goal is to perform such analysis and we have eased this by working on easing and standardizing data sharing. The final incentive will be to bring the data to analysis environment. We haven’t really initiated this work, but it will begin to be explored in the upcoming EOSC Life demonstrator Plant A+. We will nonetheless need to identify analysis use case to send the right data to the right tool. This will be done in the upcoming years by exploring the GWAS use case among others.
The FAIDARE Elixir Plant Data search service future will need to be discussed to clarify its governance and in particular the management of its community of users and developers and the decisions on priorities for the next functionalities to be developed. A call dedicated to this points will be organized around fall. Several functionalities could be considered for the future: e.g. SNPs in certain chromosome position; image similarity; indexation of non phenotype/genotype data. An important point is to clarify what should be integrated with the development plan of the FAIDARE portal versus what should be leveraged from existing solutions.

There is a general need to work on data submission and publication, not only from databases but also as files or analytical workflow results. Several solutions are currently considered, among which: FAIRDOM (evaluated during the EOSC Life Plant A+ demonstrator project), a potential BrAPI functionality for data submission, COPO/GrassRoots (ELIXIR UK, Earlham Institute) or solutions suggested by the FONDUE Implementation Study.

Several joint activities will be considered in the future, like common project call proposals or common paper writing like with the current MIAPPE 1.1 paper.

**Ongoing activities**

We described the ongoing activities:
- Excelerate Achievements
  - MIAPPE 1.1 + ontologies
  - FAIDARE: Elixir Plant Search (BrAPI based)
- Validation Implementation Studies
  - BrAPI2ISA
  - ISA configuration 1.1. The ISA Validation proved to be a very important result. It should be promoted not only in the upcoming paper but also directly to the community.
- ELIXIR-EMPHASIS cooperation
  - MIAPPE v2, environment work group (F. Tardieu)
  - Plant pheno lifecycle

**Future activities**

Short presentations were made on starting projects or project proposals involving the community

- Elixir Implementation Study Fondue for genotyping data management and sharing
  - Elixir Beacon
  - GA4GH & BrAPI & Fondue
○ EOSC Life Demonstrator Plant A+ for easing data submission and exploring data analysis
○ Infradev3 ELIXIR-CONVERGE for Data Management Plans

Plant Community leaders

● Role of the community leaders: coordination of the activities foreseen in the strategic plan 2019-2023; identify community members to help with the interaction with the platforms and other relevant communities
● Celia Miguel will very soon step out co-leading with Cyril Pommier the Plant community and a call for new candidates has been done. The community warmly thank her for her dedication and insights.
● Nomination of the co-leads of the community: 4 co-lead candidates have been presented. The voting process will be set up on 24th June to identify 2 additional co-leads to join Cyril Pommier in the leadership of the community. The voting by the nodes will be received online up to the 5th July and announced on the plant community mailing list shortly. All the members of the list are entitled to vote for two candidates. The results of the vote will be average by the number of voters by countries/node. The plant community in each node will be entitled to 2 votes.