D5.1: Setting up the virtual networking tools for operators, users and developers
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Executive Summary

Objectives

EPPN[2020] develops a pan-European community focused on plant phenotyping and organized around the EPPN[2020] phenotyping facilities. We are developing communication and networking activities at different levels to link existing and new phenotyping platforms, users from academia and industry, technology developers etc. Virtual communication in a web-based platform is an essential part of the networking efforts to inform about the progress in JRAs in EPPN[2020] and improve the services of the phenotyping platforms available for access.

Rationale:

The EPPN web-based platform is accessible to all stakeholders and provides all essential information about the project objectives, approaches and results.

Main Results:

The virtual networking tools address communication with the plant phenotyping community at large. One of the major elements is the website with different tools that enable the operation of different activities of EPPN[2020], inform relevant stakeholders on the upcoming activities and disseminate results. Beyond basic information about the project, such as the structure, governance and partners, the website includes information and tools such as:

o Access guidelines for potential applicants with a web based infrastructure DB that includes a description of the installations available for access in EPPN[2020] as well as all relevant contact information of access providers.

o Access application forms, via a database in which all applications are managed. The platform includes detailed guidelines for the applicant, a section dedicated to reviewers with relevant guidelines, TNA project archive etc.

o Tools that allow participants of EPPN[2020] to register to project events, submit an abstract and obtain all relevant information on these events.

o Description of related projects, in particular on: i) EPPN an EU funded I3 project for a starting community (2012-2015), with a summary of the results and a list of publications. ii) EMPHASIS: an ESFRI listed plant phenotyping infrastructure project. Other related projects that have a strong focus on plant phenotyping are also summarized.

o Intranet for internal communication between the EPPN[2020] partners with relevant project information as well as forms and guidelines set up by INRA Transfert.

o Communication of relevant results such as publications, transnational access experiments resulting from EPPN[2020], best practice examples, material from training courses etc. In addition, the results will be published on open platforms such as Zenodo.

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1. SETTING UP THE VIRTUAL NETWORKING TOOLS FOR OPERATORS, USERS AND DEVELOPERS

Within EPPN[2020], we are developing a pan-European community focused on plant phenotyping. An essential step is a web-based platform that allows networking with all relevant stakeholders to inform about the project, develop and improve the services of the phenotyping platforms available for access. A web-based platform (Fig. 1, https://eppn2020.plant-phenotyping.eu/) is accessible to all stakeholders and provides all essential information about the project objectives, approaches and results.

The relevant sections of the website are described in more details in paragraph 1.1 – 1.7.

Fig. 1 EPPN[2020] website: https://eppn2020.plant-phenotyping.eu/

1.1. Access guidelines for potential applicants

A description of the access procedure and modalities with all relevant aspects is clearly outlined on the EPPN[2020] website (Fig. 2, https://eppn2020.plant-phenotyping.eu/EPPN2020_Application_Guidelines). The installations within EPPN[2020] are diverse with respect to plants/crops, environmental conditions and traits of interest. Thus, we put an emphasis on the assessment of the feasibility of the experiments before the submission of an application. Applicants can get an overview of the installations available for transnational access in a database, which includes a description of the platform, and the contact information of the access providers. Applicants are specifically requested to contact the access provider before submitting an application and discuss the feasibility so that only feasible applications enter the review process.
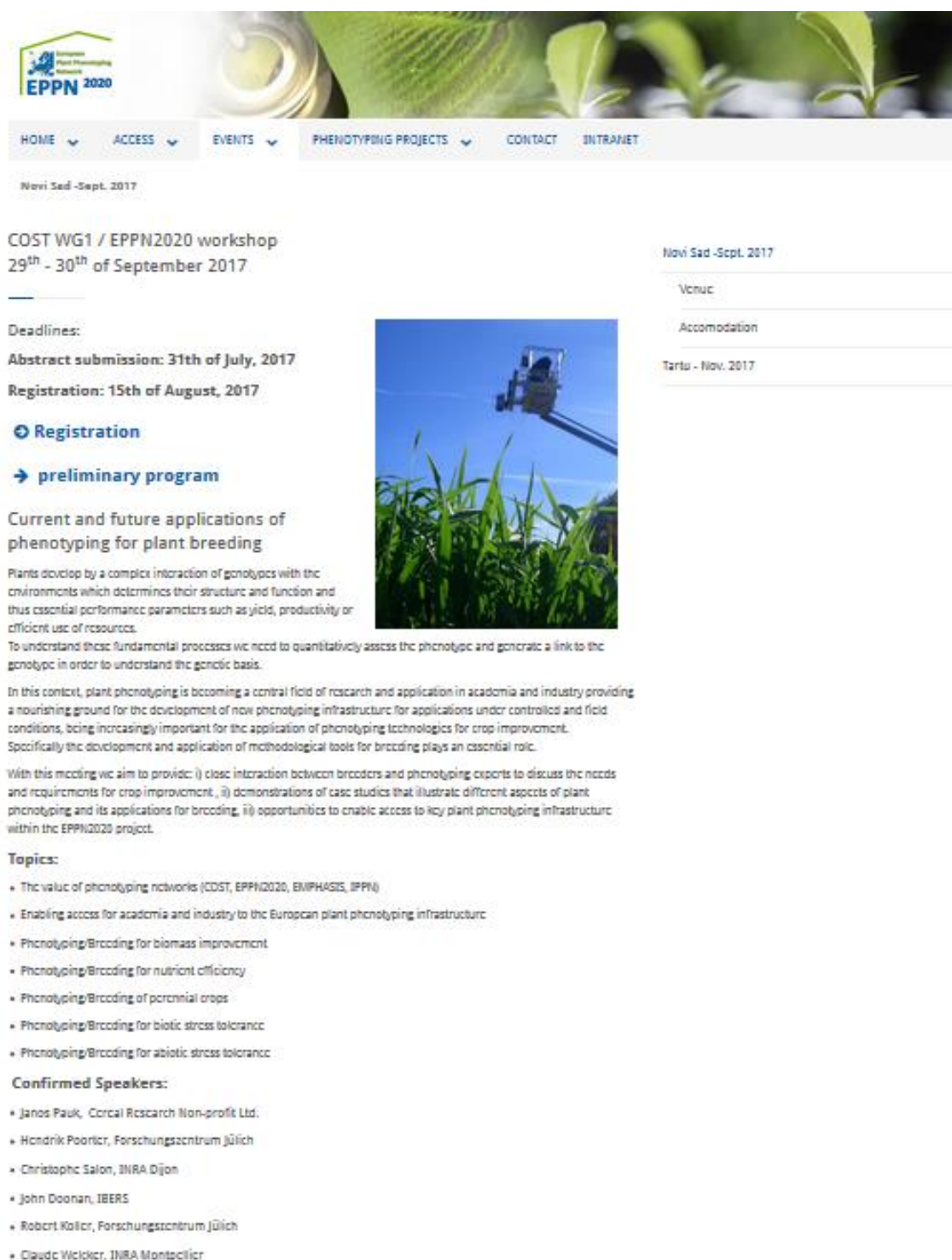
Fig. 2 Guidelines for transnational access applications: https://eppn2020.plant-phenotyping.eu/EPPN2020_Application_Guidelines

1.2. Access application platform

The access application platform is a dedicated management tool and data base that includes the submission of the proposals sent by users, the evaluation forms by independent reviewers, the reports on access and all other access data. The details of the application platform will be described in detail in Deliverable D4.2: Web based portal with all relevant information about transnational access.

1.3. Event registration tools

EPPN[2020] will engage the plant phenotyping community in a close interaction to discuss the main outputs of Joint Research Activities with different groups such as users from academia and industry, operators of different platforms, technology developers etc. The instruments used for that are workshops, round table meetings, training schools and symposia. Dedicated tools have been developed for the organization of these activities such as registration tools, abstract submission and relevant information to the community. An example is a registration for the upcoming EPPN2020 workshops in Novi Sad that specifically aims at advertising the transnational access opportunities to a wider user community: https://eppn2020.plant-phenotyping.eu/Workshop_Novi_Sad (Fig 3).

Fig 3 Application platforms for the EPPN2020 organized workshop in Novi Sad https://eppn2020.plant-phenotyping.eu/Workshop_Novi_Sad_

1.4. Description of related projects

One of the key goals of EPPN[2020] is to further integrate the plant phenotyping community and to demonstrate the structured community development from starting to advanced community. We summarize and describe previous and ongoing projects that focus on plant phenotyping such as: i) EPPN an EU funded I3 project for a starting community that ended in 2015, with a summary of the results, list of publications etc. ii) EMPHASIS: an ESFRI listed plant

phenotyping infrastructure project. Additionally a number of related projects that have a strong focus on plant phenotyping such as the COST Action FA1306, national phenotyping networks etc. are summarized (Fig. 4, https://eppn2020.plant-phenotyping.eu/RI_Projects). The list of useful links will be continuously extended and include also the results of EPPN2020 activities such as publications resulting from JRAs and TNA activities.
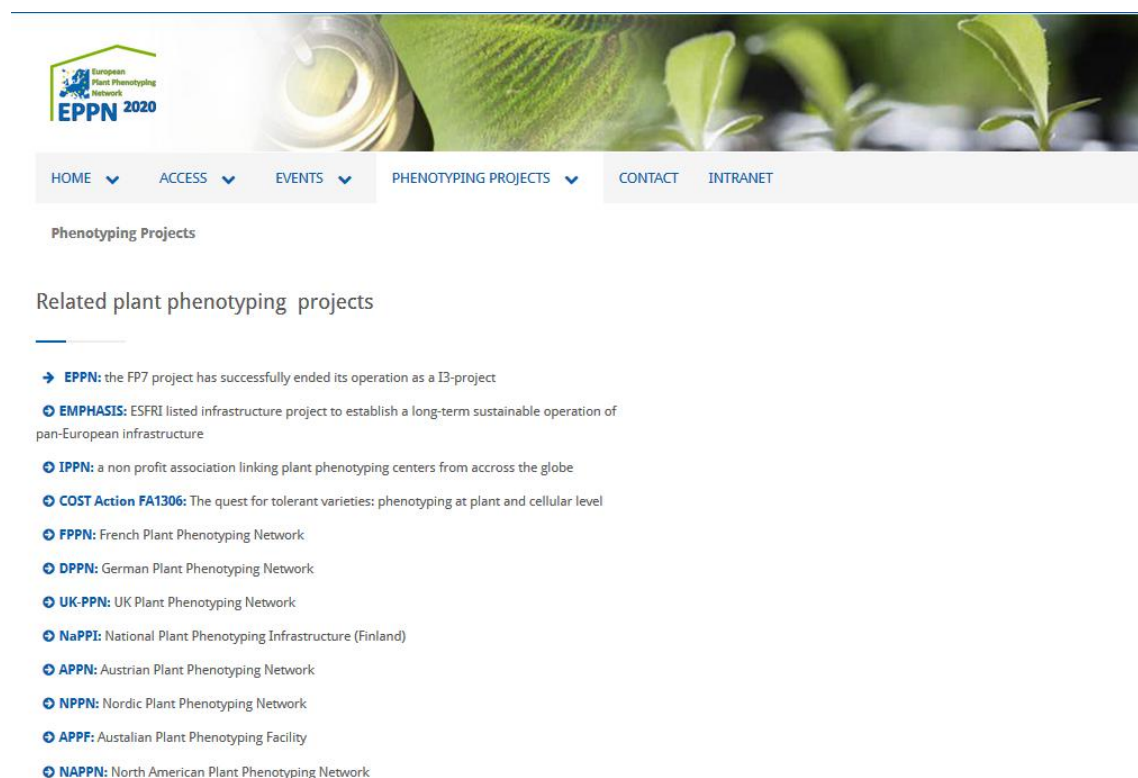
Fig. 4 Summary of plant phenotyping projects: https://eppn2020.plant-phenotyping.eu/RI_Projects

1.5. Intranet

Information exchange between EPPN2020 partners is facilitated by an intranet platform that includes all relevant information for project partners. Documents are stored and collected on the intranet such as contacts, meeting minutes, communication tools as well as an opportunity to chat and pose questions to the EPPN2020 partners (Fig 5). This intranet is accessible either directly or via the public EPPN2020 website (with access restricted to members of the consortium). It been developed under the management WP.
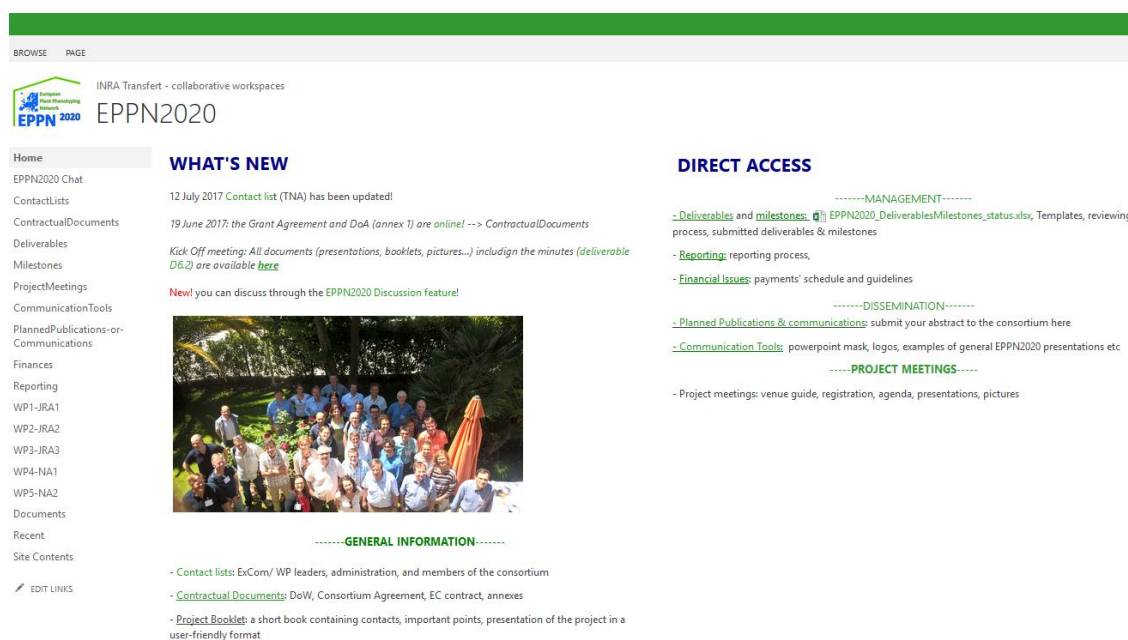
Fig 5 EPPN2020 intranet

1.6. Dissemination of EPPN2020 results

Finally, EPPN2020 will generate results and provide relevant information for the community, which we can add and modify in a flexible way on the EPPN2020 website. All the relevant information such as publications, best practice examples, material from training courses etc. will be continuously collected and shared with project partners and the community at large. For more details see the Deliverable D5.2: Dissemination and exploitation plan.

Glossary

EPPN^{2020}: European Plant Phenotyping Network - 2020
TNA: Transnational Access

Annex 1: Check list

Deliverable Check list (to be checked by the "Deliverable leader")

<table>
<tr><th></th><th>Check list</th><th></th><th>Comments</th></tr>
<tr><td rowspan="6">BEFORE</td><td>I have checked the due date and have planned completion in due time</td><td></td><td>*Please inform Management Team of any foreseen delays*</td></tr>
<tr><td>The title corresponds to the title in the DOW</td><td></td><td rowspan="3">*If not please inform the Management Team with justification*</td></tr>
<tr><td>The dissemination level corresponds to that indicated in the DOW</td><td></td></tr>
<tr><td>The contributors (authors) correspond to those indicated in the DOW</td><td></td></tr>
<tr><td>The Table of Contents has been validated with the Activity Leader</td><td></td><td>*Please validate the Table of Content with your Activity Leader before drafting the deliverable*</td></tr>
<tr><td>I am using the EPPN²⁰²⁰ deliverable template (title page, styles etc)</td><td></td><td>*Available in "Useful Documents" on the collaborative workspace*</td></tr>
<tr><td colspan="4" align="center">***The draft is ready***</td></tr>
<tr><td rowspan="4">AFTER</td><td>I have written a good summary at the beginning of the Deliverable</td><td></td><td>*A 1-2 pages maximum summary is mandatory (not formal but really informative on the content of the Deliverable)*</td></tr>
<tr><td>The deliverable has been reviewed by all contributors (authors)</td><td></td><td>*Make sure all contributors have reviewed and approved the final version of the deliverable. You should leave sufficient time for this validation.*</td></tr>
<tr><td>I have done a spell check and had the English verified</td><td></td><td></td></tr>
<tr><td>I have sent the final version to the WP Leader and to the Project coordinator (cc to the project manager) for approval</td><td></td><td>*Send the final draft to your WPLeader and the coordinator with cc to the project manager on the 1st day of the due month and leave 2 weeks for feedback. Inform the reviewer of the changes (if any) you have made to address their comments. Once validated by the 2 reviewers and the coordinator, send the final version to the Project Manager who will then submit it to the EC.*</td></tr>
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