

PLANT WORKING GROUP PRE-CONFERENCE MEETINGS: FURTHER INFORMATION AND PRELIMINARY TIMETABLE

Saturday 7th Nov (9.00-12.00 am) GRASS-BOL

Open meeting aimed at outlining priorities, identifying project participants and funding sources for major project on grass barcoding.

[Organisers Hugh Cross (Hugh.Cross@sa.gov.au), Andy Lowe, Sean Graham].

- 9.00-9.20 Introduction and overview of objectives and timelines of GrassBoL. [Andy Lowe]
9.20-9.40 Overview of current taxonomic and phylogenetic status of grass family (Poaceae) and relatives (order Poales). [Sean Graham, Hugh Cross]
9.40-10.00 Review of recent results for DNA barcoding of grasses. [Hugh Cross]
10.00-10.30 Open discussion of alternative local barcodes and current grass genomic advances contributing to DNA barcoding of family. Moderators: [Sean Graham, Hugh Cross]
10.30-11.00 Tea/Coffee. *Note: during the break, attendees who have interest in joining or contributing to project are encouraged to come forward and indicate their interest to meeting organizers. Mailing list will be compiled throughout the conference.*
11.00-12.00 Open discussion covering: organization of GrassBoL, addressing regional and taxonomic coverage of grass DNA barcoding; identifying both regional and international funding prospects. [Moderators: Andy Lowe, Sean Graham]

This is an open meeting and all interested participants are encouraged to come.

Saturday 7th Nov (1.30 – 5.00 pm) TREE-BOL

1.30-3.15 Open meeting with update presentations on TreeBoL progress.

3.45-5.00 Business meeting for regional chairs only

[Organiser Damon Little: dlittle@nybg.org]

Sunday 8th Nov (9.00 am – 6.00 pm) GENERAL PLANT WORKING GROUP MEETING

[Organiser Pete Hollingsworth; P.Hollingsworth@rbge.org.uk]

The aim of the meeting is to share information to develop and enhance the plant barcoding infrastructure. The emphasis of this meeting will be on open discussion/ information sharing, supported by very short presentations 5-10 mins. *If you have data which tackles any of the general issues on the agenda below and would like to discuss presenting the information at the workshop, please contact Pete Hollingsworth. Please note that full research talks should be presented at the main conference; presentations for the working group meeting will be aimed at facilitating discussion on development of plant barcoding infra-structure and protocols.*

A) PLANT BARCODING CURRENT STATUS

9.00- 10.00 Update and discussion on the CBOL recommend plant barcode [*this decision should be available from CBOL by the time of the conference*]

10.00-10.30 Inventory of ongoing plant barcoding projects, scale of activity/funding and contact details (a template will be prepared for participants to fill in before the meeting). Short presentations will be given on major barcoding campaigns that involve input from multiple laboratories (e.g. Tree-BoL, Grass-BoL; Mexican plants barcoding project)

10.30-11.00 Coffee break

B) DEVELOPING THE PLANT BARCODING INFRA-STRUCTURE

11.00-5.00 (lunch break from 12.30-1.30; coffee break from 3.30-4.00)

Improving the community resource for plant barcoding:

DNA Bank best practice (including discussion on storage and extraction protocols)

Core barcode, including discussions on:

- PCR and sequencing protocols for core-barcoding loci.
- Summary of amplification /sequencing successes/failures, target groups for further protocol development
- Development of mini-barcodes

Supplementary loci, including discussions on:

- Review of supplementary plastid barcodes
- Review of ITS for barcoding
- Development of guidelines for the use of supplementary loci
- Opportunities for accessing additional nuclear loci

Bioinformatics, including discussions on:

- Overview of available systems for plant barcoding
- Requirements of the plant barcode informatics work flow (quality checks, handling of data)
- Data analysis issues associated with use of two linked loci in DNA barcode
- Data analysis issues associated with the use of supplementary barcodes, including unlinked barcodes.

C) DELIVERING iBOL TARGETS

5.00-6.00 Discussion on iBoL priorities for plants.