

Agenda Steering 11 October 2018 (9 AM CDT)

On call: CKTuggle, EGiuffra, YZhu, PHarrison, CSchmidt, GTosser-Klopp, HZho

Minutes from 14 June 2018 call: review; there were no questions; approved.

Announcements: None

Reports from Standing Committee Chairs

- Animals/Samples/Assays:

EG reported: the last call covered techniques of ChIP-seq, following ATAC-seq. The next call is planned for nearer the end of t2018, perhaps in November after the Adelaide meeting. The topic may be Hi-C or status of different work areas; potentially a discussion of “minimum information needed” for an experiment will also be discussed. These guidelines are needed.

PH indicated that the Metadata process does not have quality control checks.

- Metadata and Data Sharing:

PH reported: No calls recently, the standards are stable. The committee is working on standards for legacy data, and the committee may have a call on this soon. For the DCC, a new developer has been hired and this person is working well, tasks include data portal improvements to increase features and improve speed of process. CS asked about the standards paper; PH indicated it was accepted and should be on-line soon.

- Bioinformatics and Data Analysis:

No representative on the call.

- Communication:

Outcomes from Oct3 call:

Further discussion/organization of future FAANG meetings

From Peter: see information below on plans for Metadata Workshops at the following meetings.

ISAFG2018-

- News from John Williams: He would like assistance in organizing the FAANG Workshop at Adelaide. More information was necessary to be sure of what was being asked, but the committee discussed connecting with known FAANG researchers so that a summary of current FAANG work could be presented. As well, several names were discussed so that global research groups can be represented. Chris will contact the ISAFG organizers to develop these plans.

PAG 2019-

- Huaijun indicated that the FAANG Workshop would be held 1-6 PM Friday January 10 at the San Diego venue. The FAANG workshop is an official PAG Workshop, and will have the same structure as 2018. There will be several speakers from the NIFA PD group meeting suggested by Lakshmi M., as well as a 1 hour poster session and

a session on the three funded USDA FAANG projects. Updates from France and the outcomes of the H2020 call may be able to be discussed, at least informally. Huaijun will send out this information on Angenmap.

ISAG 2019-

- Romi Pena responded to Chris's request for information on what has been developed for FAANG, and she replied:

"My idea for the ISAG meeting was to use the 2nd plenary slot (that would be, day1, 11:00-13:00, approx.) to have two talks related to FAANG and, ideally, that would integrate results or tools or approaches across species. Lunch at 13:00, and after that we would continue with the "Domestic animal sequencing and annotation" workshop, chair: Jim Reecy [200 participants].

She also indicated:

Peter Harrison (EBI.EMBL) asked me to organise a FAANG metadata training workshop on Friday afternoon straight after the end of the Conference.

The committee discussed finding some possible names for suggestions to Romi for Plenary speakers for FAANG-related topics, and Martien indicated there were also names discussed with Romi at a recent FAANG Cost meeting. FAANG members are encouraged to submit additional suggestions to Romi. Chris will discuss with Jim Reecy what is being developed for the afternoon.

Old Business

Discussion on External Advisory Group

Current committee will be shown/options discussed.

At the Oct 3 Communications Comm call: Current individuals suggested by others over summer 2018 were discussed at the meeting. Chris emphasized that moving forward we need strong support from industry to implement use of FAANG data in genetic improvement. Several names were suggested for both groups, and we hope to complete the committee memberships this Fall.

Because the new USDA FAANG projects are just getting underway and the H2020 funded groups in Europe will not be official, we decided to wait until PAG 2020 to hold a meeting of the Advisory groups with the funded projects.

Chris will follow up with Elisabetta to finalize invitations for the two advisory groups.

New business

Is there interest in developing data analysis Jamboree/training workshops...?

- discussed in BDA?

- possible for ISAG2019?

- to be discussed at PAG 2019, target is PAG 2020.

CKT introduced this topic. There was interest in pursuing. CKT will discuss with Jim Reecy and Mick Watson and others, as well as follow up with PH, and EU-COST leadership to see if there is interest in supporting such training sessions. EG: The COST will end April 2020; the next meeting is in Ljubljana March 2019.

Future Steering Committee calls

The next call is scheduled for late January and then March and May 2019. A Doodle will be sent out.

From Peter Harrison by Email 28 September 2018

At ISAFG I will give a 30min presentation on FAANG data access, submission and validation processes followed by a discussion workshop with the attendees covering questions such as:

- How do we expand FAANG to aquatic and companion species?
- What technical challenges does the community wish for FAANG (or the FAANG Data Coordination Centre) to address most urgently?
- How should we best document and distribute our protocols?
- Should FAANG request or even require publicising bioinformatics analysis code in public accessible GitHub repositories, in a manner similar to our requirement for sampling protocols?
- What are the main (or perceived) barriers to groups submitting data to FAANG and how should we overcome them?
- Are the metadata standards sufficient, any required changes?
- How can we more effectively share and standardise bioinformatic analysis methods across the globe?

At PAG I will hold a half day interactive workshop "Hands on metadata validation and data submission training". This will take place on afternoon of 16th January and will be advertised in October. I have secured permission for the workshop, booked a room and paid for AV using Carl's RCN grant. The course will cover:

- Validation against FAANG standards.
- Utilising the new Unified Submissions Interface.
- Sample, experiment and analysis submissions.
- Interactive hands on training.
- Bring your own data!

At ISAG I have agreed to repeat the workshop "Hands on metadata validation and data submission training" on afternoon of Friday 12th July. I have permission to hold the event, just waiting on the decision to either be held at the Leida conference venue if I can secure funding from the FAANG COST Europe action (waiting on reply from Alan Archibald), or at the University (1km away) if not. This will be advertised in the new year.