

# **SUBJECT MINUTES OF THE SECOND MANAGEMENT COMMITTEE MEETING OF COST ACTION CA16212 Í IMPACT OF NUCLEAR DOMAINS ON GENE EXPRESSION AND PLANT TRAITSÎ**

Clermont-Ferrand, France 12/03/2018 (9:00-12:00)

## **1. Welcome to participants**

The participants were welcomed by Prof. Christophe Tatout (Chair of the Action), Dr. Aline Probst (Action Proposer) and Claire Pelissier, Grant Holder Manager.

## **2. Verification of the presence of two-thirds of the Participating COST Countries or, if applicable, a quorum**

Start of the Action: 28/11/2017

End of Action: 27/11/2021

Total number of COST Full and Cooperating Members participating:

The quorum is reached (2/3 of COST Countries participating in the Action) :

19 / 21 countries + 1 MC Observers / 6 countries attended the meeting (COST doc. 134/14 REV 2 %COST Action Management, Monitoring and Final Assessment+Annex I, Article 9).

## **3. Adoption of agenda**

The agenda (Annex 1) for the second Management Committee (MC) meeting Agenda sent by e-mail to all MC members and substitutes + Science and administrative officer was adopted.

## **4. Approval of minutes and matters arising of last meeting**

The minutes from the last Management Committee meeting (MC1) was approved.

## **5. Update from the Action Chair**

### **a) Status of Action: start and end dates of Action, participating COST countries, participating NNC/ IPC institutions and Specific Organisations.**

Start and end dates of Action: 28/11/2017 to 27/11/2021

Participating COST countries: 21 countries

Participating NNC/ IPC institutions and Specific Organisations: 3 NNC + 2 IPC

### **b) Short Term Scientific Missions (STSM): ongoing STSM and agenda for reports**

First STSM period of the 2 grantees:

“Mariamawit Ashenafi, 1 month in March (from Baroux lab, Zürich to Probst-Tatout lab, Clermont); **Topic:** 3D image analysis / Imaris and ImageJ; Omero; related to WG1

“Gianluca Teano, 2 weeks February 26-March 9 (from Barneche lab, IBENS Paris to Baroux lab, Zürich) **Topic:** Fluorescent Recovery After Photobleaching (FRAP); related to WG1  
Grantees will be interviewed on Tuesday evening by **David Evans** (STSM Vice-leader)

## 6. Update from the Grant Holder: Action budget status (Chair)

First grant period: 73 000 Euros

Second grant period: 114 000 Euros

### First Grant Period:

Meetings	53 300” (Kick-off meeting in Clermont-Ferrand, mainly
travel costs,	
STSM (2)	4 500” (2 STSMs travel costs)
COST Action Dissemination	5 600” (website, logo, 1 Publication)
Total	63 400”

Financial and Scientific Administration and Coordination (FSAC) - max (15%)  
9 510”

Used for salary of Claire Pelissier,.

Total 72 910”

## 7. Update from the COST Association (SO Ioanna Stavridou)

Ioanna Stavridou was not able to attend the meeting.

## 8. Monitoring of the Action

The MC committee members were reminded of the urgency to send their reimbursement details so that the financial report can be finalized till end of April. Claire Pelissier has been formed in Brussels.

**GAPG1:** INDEPTH logo and Website: The logo was created and the website is under construction.

**GAPG2:** set up the open access repository: A first contact has been made with Hank Bass for depositing images on a server (Omero).

**GAPG3 and GAPG4:** create inventories: A google form (will be discussed during the meeting) will be sent out to all participants. With the information provided by all COST participants the inventory will be created via the website.

**GAPG5:** 1st meeting report (the discussion with relevant Journal about the publication of a first meeting report is ongoing); During the meeting we got a positive answer from Journal of Cell Science (JCS); Geraint Parry, communication manager for INDEPTH, has been proposed to write this first INDEPTH report.

## 9. Implementation of COST policies on:

### a) Promotion of gender balance and Early Career Investigators (ECI)

Chair/Vice-chair: 1 woman/1 men

Work-group leaders and vice-leaders (5 woman /5 men)

2 STSM candidates (1 woman /1 men), the 2 STSM candidates of the first grant period were PhD students

**Possible weakness:** ECI (Early career researcher), only 8 year after her/his PhD. **Lauriane SIMON** MC substitute for Sweden is a new INDEPTH ECI. The organization committee promoted postdoctoral fellows and PhD students to attend the INDEPTH kick-off meeting.

## **b) Inclusiveness and Excellence (see below list of Inclusiveness Target Countries)**

Summary of the new members after the since July 2017 (selection of INDEPTH by the COST-Association):

**New Inclusiveness Target Countries (ITCs) :** BOSNIA AND HERZEGOVINA, GREECE, PORTUGAL, SERBIA

**New countries and cooperating member country:** NORWAY, ISRAEL

**New near neighbour Countries (NNCs):** ARMENIA

## **10. Follow-up of MoU objectives: progress report of working groups (Chair & WG leaders)**

The chair Christophe Tatout reminded the MC of the challenge of the Action. The different Objectives of the Action were discussed (Research Coordination objectives and Capacity building objectives). In total 13 objectives.

Objectives that were fully or partly achieved during the first Grant period:

- Web-site and open access repository
- Collection of plant data sets in 3D imaging has started through discussion with researchers from Serbia, Hank Bass from USA etc. We have already started comparing 3D imaging data through the work of Mariamawit Ashenafi during her STSM.
- New application tools
- Welcome the participation of ITC and NNCs
- Promote gender equality
- Promote ECI (through STSM)

## **11. Scientific planning (Chair, Vice-Chair & Core Group members)**

### **a) Scientific strategy (MoU objectives, GP Goals, WG tasks and deliverables)**

No change was suggested to the MoU objectives.

We have 1 common challenge and 13 objectives.

Each objective will be declined in several goals. For each goal we will have Tools that will lead to the deliverable.

**GAPG 1:** Open access repository (for datasets storage from WG1, 2 and 3) and publish a guideline for data submission to the repository (define the minimal set of parameters to be

used) as well as a list of tools to be used by the applicants of the Action (to provide standardised datasets).

**Katja Graumann** (WG1 leader) agreed that in light of the proposition from Dr Hank Bass (IPC, University of Florida) it should be feasible for imaging datasets. WG1 started to investigate the size and kind of data from members of WG1.

**Björn Grüning** (WG4 leader) proposed to investigate <http://www.eurobioimaging.eu/content-news/eubi-gateway-image-data-resource>

**Ales Pecinka** (WG3 leader) questions the size/kind of data that will be used. A survey of the Metadata should be performed.

**Celia Baroux (Vice-Chair)**: First the idea would be to create / select existing repository such a repository /structure / platform and then the discussion between WG leaders should provide information what would be interesting to add.

**Björn Grüning** (WG4 leader): for sequencing datasets, guideline: put publicly available datasets onto the SRA etc. For unpublished datasets, we have to discuss, Galaxy could provide a few Terrabits for the unpublished data. Later during the scientific workshop Björn Grüning also proposed to investigate OmicsDI (<https://www.omicsdi.org/> )

Each WG should make a survey to estimate to the amount of data. Who has what in which line. Searchable database.

**Ortrun Mittelsten Sheid** (MC Austria): The most important is to know who is doing what, make contact individually. Otherwise, she does not think it would be realistic to keep this database up to date. Also has the advantage, that we can keep track who is doing what with our data.

**Conclusion**: So rather have a platform that will make links to publicly available or list of contacts.

**GAPG 2**: For WG 1, 2, 3 and, create an inventory organized as a searchable resource on the INDEPTH Web site describing:

- Methods (HI-C, RE-ChIP, RNA-Seq, ð )
- Devices (Cytometers, Confocal, ð )
- Plant Species (Arabidopsis, maize, wheat)

**GAPG 3**: For WG 1, 2, 3 and, create an inventory organized as a searchable resource on the INDEPTH Web site describing:

- Stress conditions (heat, cold, osmotic,....)
- Organs and Developmental stages (roots, seeds, meiosis ð )
- Phenotyping tools (NIRS, LemnaTec platform ð )

**Action WG5**: create and circulate a google form among the INDEPTH participants to gather all these information that will then be included into the website as a searchable index. WG3 leader will help to achieve this initiative.

**GAPG 4**: Foster the transfer of knowledge by INDEPTH Challenges (in a target journal, e.g. Nucleus). Responsibility of WG5.

Maybe we can target also a magazine: EU Researcher ? Problem likely to make that happen in this first grant period.

David EVANS (STSM vice-leader) suggested Online Botany (No charge for a 500 words summary) or Online frontiers

**GAPG 5:** Dissemination of knowledge and expertise in **Plant Microscopy** by publishing a review publication about the next challenges in Plant Microscopy. This goal is linked to **WG1**. Suggested Deadline November 2018. Target special issues?

**GAPG 6:** Dissemination of knowledge and expertise in **Plant Nuclear Organization** by publishing a review publication / maybe including the aspect of development. This goal is linked to **WG2**. Suggested deadline May 2019.

**GAPG 7:** Dissemination of knowledge and expertise in **Chromatin dynamics during plant response to stress** by publishing a review publication. This goal is linked to **WG3**. Suggested deadline May 2019.

**GAPG 8:** Sharing of technical knowhow, methods and tools in 3D-imaging (related to TS in 3D-FISH and some of the STSMs). Related to WG1.

**GAPG 9:** Exchange of knowledge about state of the art in 3D imaging, omics chromatin analysis, plant traits and integrative analysis (related to all WG meetings, dissemination meetings and some of the STSMs)

## **b) Action Budget Planning: proposed WBP n°2**

The second WBP will last 1 year (1st of May 2018 till 30th of April 2019).

Recommendation by the Grant Holder Manager: 55% of the budget should be engaged by November 2018.

### **Meetings:**

41 400" : 60 attendees, Feb/March 2019: Management Committee 3 in **ITC country** (Czech Republic, Hungary, Portugal, Serbia). This meeting will include MC3, Core group meeting and other activities related to the COST-Action (ITC inclusiveness, STSM promotion).

7 100" : 10 attendees, July 2018: WG meeting 1 and 2 (SEB Florence, 3-6 July 2018)

6 400" : 10 attendees, before Nov 2018: WG 4 (European Galaxy Tour)

1 440" : 1 speaker, June 2018, Dissemination meeting 1, ICAR 2018 (**Geraint Parry** WG5 leader and **Stefanie Rosa** WG2 leader, will make a Workshop about INDEPTH COST-Action).

1 440" : 1 speaker, January 2019, Dissemination meeting 2 PAG 2019 or Keystone Meeting in Nuclear Architecture 2019.

### **COST Action Dissemination:**

1 360" , 1 speaker, before Feb 2019, ITC Conference Grant 1 (1st call by STSM coordinator)

1 360" , 1 speaker, before Feb 2019, ITC Conference Grant 1 (1st call by STSM coordinator)

**Dissemination and other expenses:** 3 different publications from WG1 (**Plant Microscopy**), WG2 (**Plant Nuclear Organization**) and WG3 (**Chromatin dynamics during plant response to stress**):

**MC decision:** increase the amount for each paper from 1000" to 2 000"

**Training School:** 17 280" , 12 students, 5 trainers; Clermont-Fd, 3D-FISH

**STSM:** 7 grantees, 7 x 2 500" . First grant call in May 2018.

### **c) Long-term planning (including anticipated locations and dates of future activities)**

Announcement: WG5 submitted grant to potentially hold a SEB meeting in Madrid in December 2019. This meeting will be strongly dedicated to scientific workshop with international speakers. Part of the budget can be from the COST-Action, part from the SEB grant.

MC agreed with such an initiative.

### **d) Dissemination planning (Publications and outreach activities)**

3 different publications from WG1 (**Plant Microscopy**), WG2 (**Plant Nuclear Organization**) and WG3 (**Chromatin dynamics during plant response to stress**).

## **12. Requests to join the Action from:**

### **a) COST countries**

### **b) Institutions in Near Neighbouring Countries, International Partner Countries, and/or Specific**

**Organisations: EU agencies, European RTD Organisation, International Organisations**

## **13. Any Other Business**

(1) Due to the short period before the end of the grant period, It was **decided unanimously by the MC** that all invoices and expense proofs of the meeting will have to be send electronically to C. Pellissier, by March 25th. The scans of the different tickets are sufficient, no hard copies are required. The university requires also invoice for accommodation, bus tickets etc. The invoices and expense proofs have also be submitted through the COST website.

(2) In case of underspending towards the end of an Action Grant Period, the Chair (or Vice Chair if the Chair devolves this duty) may decide to use the unspent funds on another activity, preferentially on additional STSMs.

(3) The Core Group may decide to re-allocate funds from one activity to another as long as the amount is no larger than 10000 ” .

## **14. Location and date of next meeting**

Prague seems to be the best opportunity for 2019 and details will be defined soon after the main meeting. **Christos Michailidis** (MC substitute, Czech Republic) is the contact for organization.

## **15. Summary of MC decisions**

Adoption of MC1 meeting

Adoption of MC2 agenda

Validation of MoU objectives

Validation of WBP2 goals

Validation of WBP2 and budget

Adoption of accelerated reimbursement procedure

## **16. Closing**

In closing the meeting on 12 th March 2018 at 12.00 am Action Chair Christophe TATOUP and Action Vice-Chair Célia BAROUX expressed their gratitude to the COST members of the Management Committee for their active participation in the meeting.