

**COST MP1406 veiklos valdymo komiteto atstovo  
prof. habil. dr. Vaidoto Kažukauskio  
Ataskaita  
apie veiklos susitikimą  
Vilniaus universitete 2017 m. liepos mėn. 10-11 d.**

Šeštasis COST MP1406 veiklos „Multiscale in modelling and validation for solar photovoltaics (MultiscaleSolar)“ („Daugiamatmeniškas saulės fotovoltikos modeliavimuose ir analizėje“) valdymo komiteto ir darbo grupių susitikimas įvyko Vilniaus universitete 2017 m. liepos mėn. 10-11 d.

Renginį organizavo COST MP1406 veiklos Lietuvos valdymo komiteto (MC) atstovas prof. habil. dr. Vaidotas Kažukauskas.

Susitikimo darbotvarkė pridėta 1 priede. Veiklos struktūra ir darbo grupių sudėtis bei planai pateikti: <http://multiscalesolar.eu/>

Renginio pradžioje patvirtinta susitikimo darbotvarkė ir patvirtintas ketvirtojo posėdžio, įvykusio Belgrade 2017 m. balandžio mėn. 6-7 d., protokolas.

Valdymo komiteto susitikimo protokolo santrauka pateikta 2 priede.

Valdymo komiteto posėdyje aptartos ilgalaikio planavimo strategijos ir biudžeto gairės. Pabrėžta, jog biudžetas vykdomas gerai, skiriamos lėšos išnaudojamos efektyviai. Numatytos projekto rezultatų sklaidos priemonės. Aptarta projekto vidurio ataskaitos rengimo būklė, pabrėžiant, jog jis jau parengtas ir bus pateiktas Europos COST agentūrai laiku.

Konstatuota, jog jau įvyko eilė konkurso būdu finansuojamų jaunųjų mokslininkų trumpalaikių mokslinių vizitų į projekto partnerių institucijas. Numatyta šią veiklą tęsti ir toliau. Taisyklės galima rasti puslapyje: <https://sites.google.com/site/multiscalesolar/stm-discussion>.

Šiame susitikime didžiausias dėmesys skirtas darbo grupių (WG) diskusijoms, darbo planų tikslinimui ir užduočių aptarimui. Aptarti jau pasiekti projekto moksliniai rezultatai ir tolimesnio bendradarbiavimo planai ir numatomi bendri darbai. Veiklos darbo grupių vadovai pristatė savo veiklos vizijas, strategijas ir bendradarbiavimo perspektyvas. Numatyti projekto patikslinimai, padėsiantys geriau įgyvendinti jo tikslus. atskirai darbo grupių atstovų susirinkimuose ir bendram išvadų aptarimui (žr. 1 priedą).

Numatytos kitų COST veiklos valdymo komiteto susitikimų vietos ir preliminarios datos kitam finansavimo etapui. Kitas valdymo komiteto ir darbo grupių susitikimas įvyks Vroclave 2018 m. vasario mėn. 14-17 dienomis.



**2 priedas. COST MP1406 veiklos susitikimo Vilniaus universitete 2017 m. liepos mėn.  
10-11 d protokolo santrauka.**



**Management Committee Meeting minutes**

**COST Action MP1406**

**Multiscale in modelling and validation for solar photovoltaics  
(MultiscaleSolar)**

*Faculty of Physics, Saulėtekio av. 9, bldg. 3.  
Vilnius, Lithuania*

The meeting started on time at 10am Monday 11<sup>th</sup> July 2017

**1. Host welcome**

The event's host Vaidotas Kažukauskas started the meeting with a welcoming presentation on Vilnius. He described the ancient history of the city and of Lithuania, and then of the university of Vilnius and its elevated status in an international context, before moving on to a selection of sights to see and local specialities to sample. This included specialities including a purple soup with a striking colour, a number of beverages and visits to places of interest, such as a castle set amongst lakes close to Vilnius.

**2. Action chair report**

The chair report started by noting the special format of this meeting. Being shortly after the Belgrade meeting at the end of GP2, the intention of this short two day meeting was to plan the coming exchanges and activities in GP3.

The meeting was not quorate, with 64% of members represented. Details are available on the membership list in the meeting folder on the Dropbox. This was expected given the brief time since last meeting making attendance difficult to organise their presence. The inability to hold MC votes was therefore foreseen at the last MC meeting in Belgrade and did not present any difficulties, the focus of this meeting being review and especially planning grant period 3 (GP3).

The agenda of the meeting was adopted. The minutes of the previous 5<sup>th</sup> MC meeting were approved.

Given the unexpected attendance of a number of new members, basic information on the MultiscaleSolar Action was reviewed. This started with the presentation for new members of the map of partner nations. The latest update is the addition of Mauritius as an official international partner country with MC observer status. This brings the membership to 33 nations, with Japan still pending.

The structure of the Action was reviewed with regards to the Action structure in four workgroups, the workgroup leadership, and the additional management committee positions.

The digital networking tools (main website, discussion google site, and document dropbox site) were reviewed. This included a description of the content and links between MultiscaleSolar websites, as well as screenshots of the three main components: the main site, the discussion site, and the document site.

Following informal comments from the network prior to the meeting, it was explained that no formal procedure exists for the discussion site: It is intended to function as an informal social media discussion site operates, such as a facebook discussion forum.

Partners were reminded to make best use of this important resource. It was also reported that Nikolina Nekić (Croatia) has offered to help maintain and develop the site. Javad Zorbakhsh suggested adding partner photos to help collaborators to identify each other easily

*[Aside: Subsequent discussions between James and Nikolina have identified the best means to achieve this, via the MultiscaleSolar-Partners.pdf file in the partners profile folder on the dropbox ]*

The status of the mid-term report was reported. A draft has been ready since two weeks before the end of May original submission deadline. Our scientific officer (SO) Monica Perez requested we await further instructions. These were communicated a few days before this meeting and ask us to submit the report by the end of August 2017.

The draft report was reviewed and the missing elements noted. These consist of some aspects of progress on the 12 MoU objectives, the impacts, the management report (expenditure), and the management report (STSMs). Completing this in time will be done by the chair consulting with the relevant MC members.

The GP3 negotiations since the last meeting were reviewed. The GP3 grant has been largely restored and is 6% below the original level in GP1. The position is much improved but there remains great pressure to increase activity in order to avoid GP3 grant underspend.

The training school in Belgrade coinciding with Photonica 2017 was mentioned. The call for trainees and trainers was repeated with a recommendation to encourage applications in order to ensure the success of this event.

The next MC meeting in Wroclaw was mentioned and was stated to be a three day event

*[Aside: This was in error: the work and budget plan states that this is a two day event at present. Discussions during the W&BP development and at the Belgrade MC5 meeting had suggested planning a two day event in order to be able to expand it to three days if there was significant underspend. Nevertheless, at present 40 attendants are budgeted for 2 days]*

### **3. STSM report – chair substituting**

The STSM report reviewed the first call completed with three STSMs accepted for funding, and the current call consisting of two STSMs currently the object of a vote which will be complete in approximately a week.

The GP3 status is to maintain 20 STSMs as specified in the work and budget plan (W&BP). There are 15 STSMs left assuming that the two subject to a vote are accepted. It was noted

that this is in line with 5 STSMs per quarter on average completing the total of 20 by the end of GP3.

It was reported that the current status is awaiting inquiries from the membership in order to launch the next call. Partners were invited and encouraged to contact the STSM manager with proposals.

#### **4. Dissemination report – chair substituting**

The dissemination report presented briefly details of the joint Hindawi publication being developed by lead editor Matthias with co-editors Urs, Alessio and Christin, and the joint WG4 booklet being developed. The joint Hindawi publication has one joint paper where the MC is author. MC was congratulated for their activities since the beginning of the Action which have led to this result.

#### **5. COST association communications – chair substituting**

It was reported that the COST association has written to the Action warning against late submission of meeting claims by attendants, and warning against late claim processing by grantholders. It is not clear if this warning was specific to MultiscaleSolar or was a general warning sent to all actions, but it is supposed that the latter case is true.

The chair noted that the Belgrade payments may in some cases be late, and that this should be examined. The chair emphasised the importance of processing claims in timely fashion, reminding that the chair moved the grant from Valencia partly in order to improve this.

Stanko commented that there have been difficulties in some cases due to claims problems being raised by the COST Association and our financial officer due to possible tightening of the procedures. James noted that while problems in claims of this type lead to delays, the same phenomena had occurred with claims when Valencia was grantholder. No action was necessary on this point.

James concluded by reminding attendants to submit claims as soon as possible, in order to make it possible for the grantholder to respect the deadlines. It was noted that the timing is challenging, with August holidays in a few weeks.

#### **6. Workroup meetings – chair statement**

The format and the objectives of the two parallel workgroup sessions were reviewed, with the format reverting to the “Athens model” of prioritising discussion and planning of tasks working towards grant period goals, as opposed to models driven by presentations reporting on activities. The workgroup meetings conclude with a joint session attended by all enabling all to be familiar with progress at this meeting.

#### **7. MC Scientific representative and grantholder report**

The grantholder representative reported on the increased budget. It was noted that STSMs have been the weak point in spending to date, and particular emphasis was given to managing sufficient applications on this point. The grantholder reported on the difference in procedures with other Actions such as HERALD with which Stanko has also had interactions

independently of MultiscaleSolar. For information, other Actions he is aware of have less STSMs budgeted for a roughly equivalent total grant, that is, about 10 STSMs.

Problems were noted with the “gap” at the beginning of grant periods where STSMs cannot be processed before the grant period agreement is signed off by the COST Association. Strategies to minimise the impact of this “gap” were proposed, such as inviting applications for STSMs by issuing calls before the STSMs can formally be voted on. Inviting earlier submissions in this case would minimise the effect of the “gap” at the beginning of grant periods.

There was discussion of the mode of organisation of the STSM calls. Stanko noted that other Actions he is familiar with have permanent open calls, and that the COST Association has no objection to this. James reminded that this has been discussed at previous meetings, and that modification needs the input of the STSM manager.

## **8. Workgroup report WG1**

The WG1 leader gave a detailed review of WG1. This presented a detailed number of specific tasks, and active partners, which are detailed in the WG1 MC presentation.

Of note for specific actions in GP3 are STSMs planned with the Netherlands (Shuxia) and with Italy (Matthias).

## **9. Workgroup report WG2**

The WG2 leader reviewed the workgroup activities. Of ten identified tasks, seven are active which is a good result, although it was noted that levels of activity are variable. Specific mention was made of Urs’ STSM to Madrid and Vesselin’s STSM to Paris.

Urs made specific mention of defragmentation with regards to sharing literature on the dropbox. Noting that a collection of relevant papers is of vital importance and is hard to constitute individually, the significant benefit of contributing to this resource was underlined, and partners called upon to share papers they consider significant. This point applies to all workgroups.

Continuing the defragmentation topic, a “create a map” action was proposed, whereby a map of partner capabilities and resources be constituted to help exploit the network with greater efficiency.

## **10. Workgroup report WG3**

James substituting for the WG leadership gave a brief review of WG3 reporting that the main activity in this workgroup since Belgrade has been the editing of the joint Hindawi publication. Discussion of tasks underway will be presented as an introduction to the WG3 session.

## **11. Workgroup report WG4**

The WG4 leader presented the main activities and goals of the workgroup (see WG4 presentation). These include significant networking elements focussing in particular on STSM



missions. A call was made for partners to publicise the value of potential interactions between themselves and industrial actors mediated by Javad Zarbakhsh.

A second axis of the WG4 activity presented to the MC concerned specific industrial fabrication facilities and methods and their interaction with other workgroups in order to pursue the multiscale goals of the Action. An example of this was presented in the form of 3D printing technologies. Javad emphasised how such innovative technologies are remarkable low cost compared with the major investment needs of more traditional research directions in industrial fabrication.

The WG4 report concluded by drawing attention to the WG4 questionnaire available on the website. All partners were invited to complete questionnaires and return them to Javad.

## **12. Any other business**

The Photonica 2017 meeting was raised again, and applications recommended.

## **13. Closing**

The meeting was brought to a close as originally scheduled at midday.

***Addendum:** Discussions since the Belgrade MC5 meeting have been thin, it has subsequently been agreed to return to the model of holding virtual meetings more regularly. The MC will be informed.*