

IUPAC Division VI Chemistry and the Environment

Sub-committee on Chemical and Biophysical Processes in the Environment

12 May 2018

17:05-18:30

FISE Building, Rome, Italy

Draft minutes

Member present:

Prof Doo Soo Chung (DSC)
Prof Ester Heath (EH)
Dr Petr Fedotov (PF)
Prof Hemda Garelick (HG)
Prof Nadia Kandile (NK)
Prof Bulent Mertoglu (BM)

Prof Irina Perminova (IP)
Prof Diane Purchase (Co-chair) (DP)
Prof Edgard Resto (ER)
Prof Fani Sakellariadou (FS)
Prof Weiguo Song (WS)
Prof Roberto Terzano (RT)

Guest:

Dr Anna Makarova

Dr Shevah Yehuda (SY)

Apologies:

Dr Bradley Miller
Prof Manuel Miró

Prof Baoshan Xing

1. Welcome

DP welcome sub-division new and current members and guest to the meeting.

2. Apologies

The above apologies was received.

3. Minutes of previous meeting

The last face-to-face meeting was in 2015 in London. The minutes has been approved and all actions taken.

4. Confirmation of membership

DP commented on the new makeup of the sub-committee and will follow up with an email to the group to confirm the membership. **[Action: DP]**

DP thanked Dr Heniz Ruedel for his contribution to the sub-committee as co-chair and hoped to he would continue his affiliation with the Division and this sub-committee.

5. Sub-committee activities update

DP provided a summary (see sub-committee report)

6. Brainstorming for new projects and activities

Group generated a number of interesting ideas.

- a. HG reported the positive discussion with the organiser of WCC2019 Paris for a symposium for Division VI on the positive aspects of chemistry for the environment (session 3.5).

Currently the WCC2019 has 4 sessions:

3.1 Monitoring Chemicals for a Safer Environment

3.2 Addressing Environmental Issues through Bio-sourced Materials and Green Chemicals

3.3 Carbon Dioxide Capture, Storage, and Recycling

3.4 Catalysis, Sorption and Separation for a Cleaner Environment

Group agreed this will be a good opportunity for a project. A number of preliminary titles for the session was discussed. DP welcomed more input in the coming weeks and will put a conference/project proposal together **[Action: DP]**

Our session is like to contain 3 panel sessions

- zero waste minimisation/ recovery/ reduction (SGD12.4)
 - tackling to classic and emerging pollutants (fate and toxicity)
 - emerging technology to provide solution
- b. ER proposed a workshop on e-waste 2020 for Caribbean and Latin America. May be join project with CHEMRWAN for an interdivision project. **[Action: ER]**
- c. DC recounted his experience with industry and suggested a joint project with COCI, SAICM to improve the understanding of the role of IUPAC. E.g. Organise a workshop and/or symposium. AM will send CI publication to Division VI to be circulated. Also on outreach activity to Southeast Asia, involving Involve government agency/industry/academia. **[Action: AM and DC]**
- d. Terrestrial – environment BLM.
- e. The misconception of chemistry in the environment

- f. Periodic table: chemistry in the environment. ER and PF are interested in organising this but the major challenge will be the constrain of time. ER to discuss with PF. **[Action: ER +PF]**
- g. Division VI retrospective (SGD): NK will develop a project proposal. **[Action: NK]**
- h. nitrogen balance: BM to develop a project proposal. **[Action: BM]**
- i. EH suggested a topic on PFOAS/flame retardants/glyphosate in the environment. DC suggests looking also from an analytical aspects. EH and DC to develop a project proposal with DC. **[Action: EH and DC]**

7. AOB

Group brainstormed ideas for enhancing interdivisional cooperation.

EH indicated there is opportunities to jointly organise a workshop with EuChem in the ICCE2019 conference. EH to liaise with Division VI to take this forward. **[Action: EH]**