

**GREEN COMMITTEE MEETING
MINUTES OF MEETING**

AGENDA:	<ol style="list-style-type: none"> 1. Welcome and Apologies 2. Projects of the our sub-Committee (past, present, future) 3. Venue of the 6th Conference on Green Chemistry. Proposals for the 7th Conference. 4. Organization of the sub-Committee 5. Jury for the IUPAC prizes for posters at the Durban Conference. 6. Possible Meetings during the Durban Conference with ACS and RSC for common projects. 7. Projects and supports together with other IUPAC Divisions and Committees 8. Sub-Committee Award on Green and Atmospheric Chemistry: proposal for a revision of the Prize (Prof. Leiv Sydnes attendant). 9. Presence of our Sub-Committee in Busan (South Korea, August 2015), at the next IUPAC Word Congress: topics and collaboration. 10. Any Other Business 	
Date : 17/08/2014	Venue :	1st floor, Elangeni Hotel, Durban, South Africa
Time : 2.30pm - 5.15 pm		
Attendees:		
Pietro Tundo-Chairman Liliana Mammino Janet Scott Anna Makarova Vânia Zuin Claudio Mota Andrea Vavasori Natalia Plechkova	PT LM JS AM VZ AV NP	
		Prepared by : Natalia Plechkova
Absents with apology:		
Paul Anastas Christopher Brett Buxing Han Philip Jessop Dieter Lenoir Virinder S. Parmar Ken Seddon		

Natalia Tarasova Patricia Vazques		
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Agenda	<ol style="list-style-type: none"> 1. 3 current projects of Green Committee 2. CMEMRAWN Award 3. Bioethanol 4. Proposal of Alexis Franke, NIKE 5. 24-hour virtual symposium on Green Chemistry 6. Next Green Conference (Venice) 7. Next IUPAC Conferences
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2. Subject: Projects	Action by
<p>Green Committee used to have many projects in the past. Now there are only three active projects:</p> <ol style="list-style-type: none"> 1) LM proposed editing a book in the past on biomass burning in South Africa. 12 Chapters have been submitted. Some chapters require major revision, but the authors haven't sent a revised version yet. After this Green Conference, LM will contact the authors again and submit the Chapters by the end of this year. Book publisher is Springer. 2) PT, CM, Professors He and Ekaterina Lokteva are the Task Group of a Project on the book titled "Chemistry Beyond Chlorine". This project had more than 23 referees. The contract was already signed among IUPAC and Springer. 20 days ago a meeting took place in Venice in regards to this book. The topics of the book range from chemicals that can replace alkyl halides, catalysts to replace AlCl₃ to solvents replacing methylene chloride. The deadline for this book is March 2015. 3) A student Silvio Vaz Jr. from EMBRAPA (industrial company) discussed writing a glossary of renewable chemistry at the Green Conference in Istanbul in 2013. VZ stressed out that there might be similar projects already, so this needs checking. <p>Future proposals: Chris Brett proposed a project on nanoparticles in the environment. We have to check whether there are similar projects already carried out in IUPAC and propose, if not. JS pointed out that this project cuts across different divisions. This point rose special attention (and was discussed in the following meeting of Wed. 20th).</p>	<p>LM</p> <p>Info</p> <p>All</p> <p>All</p>

Item 8

Leiv Sydnes came to the meeting to discuss the CREMRAWN award - **Point 8 of the Agenda was anticipated.**

The first CHEMRAWN award was won by a scientist from Algeria, then Sharma from India. Only two applications were received this time. This is very discouraging in comparison with other IUPAC Awards which are much less rewarding in terms of money ; here they are 5kUS\$.

Extra ways to advertise this award have been discussed, such as Green Conferences, blogs, Facebook, Twitter, etc..

Normally this award is advertised in Chemistry International around November-December with the deadline to apply by the end of March.

Self-nominations are accepted.

PhosAgro/IUPAC/UNESCO might advise how to advertise their Award.

It would be beneficial if you type "green award" in google, this award appears.

Changes to the current version of Prize Agreement were proposed and are attached as a separate file.

S/C strongly encourage to modify the bylaws and to advertise adequately such an important Award.

CM

Info

After Sydnes's leaving, the discussion continued according to the Agenda (item No. 2).

All

The question posed by Chairman of COCI, Prof. Bernard West was considered. CO₂ emissions produced by bioethanol were discussed, but it was agreed that these emissions depend a lot on what is used as a feedstock. For example, normally bioethanol produces 8-10 times more times more energy than is used to produce it, but in the USA the ratio is only 1.5 times.

Bioethanol production can result in significant CO₂ emission due to the use of fertiliser in the crop growing phase of production. It was decided to put in contact on behalf of the S/C prof C. Mota who is expert in this field and interested in the problem. PT wil write to Bernard West at this regard.

PT

The Green Committee decided not to pursue the proposal of Alexis Franke | Open Innovation Manager | Sustainable Business & Innovation | NIKE, Inc. regarding a global challenge to seek innovations in Green Chemistry; in fact it seems a proposal for getting information on Green Chemistry rather than to offer a help. PT will ask for more information.

Paul Anastas proposed to have a 24-hour virtual symposium on Green Chemistry, so that different countries around the world are involved. The S/C is strongly interested also because the young colleagues can be can be involved and ready to collaborate worldwide. PT will ask PA for more information about: if PA has already gathered together other persons/national or international bodies to support under his direction such a 24 hours talks; and if such program is already begun. A recommended date is April 22th, Earth Day.

VZ can be involved, integrating the SBQ (young researchers and new medias) as well as the NESSE network (<http://www.sustainablechemists.org>).

PT shared the first volume of the Series on book on Green Syntheses which he and John Andraos co-edited with the members of the Green Committee. This book shows the differences between traditional synthesis and green synthesis, and it is very timely. We should move urgently to measure the greenness of reactions and processes.

3: Next GC Conference.

Info

It was proposed to organise next International IUPAC Green Chemistry Conference in Italy. The proposal was accepted and the discussion concerned the best week to carry out this event.

In general, in 2016 Gordon Conference will take place in July; ACS National meeting will be on 21-25 August 2016 in Philadelphia and EuCheMS Conference will take place in Seville on 11-15 September, 2016; so it makes sense to hold our IUPAC Green Conference on the first week of September 2016 (4-9 Sept).

PT would like to organise not just lectures in Chemistry at this Conference, but also talks connected with humanities and economy.

For example it was suggested to invite Ban Ki-Moon (head of UN) to speak.

The issues that could be raised at this Conference are:

How current situation in Green Chemistry can impact economy, several round tables, biofuels, shale gas, global warming, fracking (what type of chemicals are used), bioresources and biomaterials, secular economics, green waste, mercury and CO₂ emissions. It would be beneficial to invite both chemists and politicians.

Young observer from IUPAC would be sensible to attend this Conference and share the main points online, for example, on OECD platform (Green Chemistry).

As the venue of the 7th IUPAC Conference on green chemistry Asia (India, Japan or China) was recommended.

Item 4 : see the Minutes of the meeting on 20 August

Item 5: A jury was constituted for the best posters . It is made by LM, JS, CM, AV. Moreover, a few invited experts attending the Conference will be contacted by CM:

Item 6 and 7: It was agreed to have meetings with ACS, RSC and other IUPAC Bodies during the conference. This was actually done as shown in the Minutes of August 20th.

Item 9

The upcoming IUPAC General Assembly will take place in Seoul (2015), Sao Paulo (2017), Paris (2019) and then maybe in Beijing (2021).

Item 10

Nothing to discuss