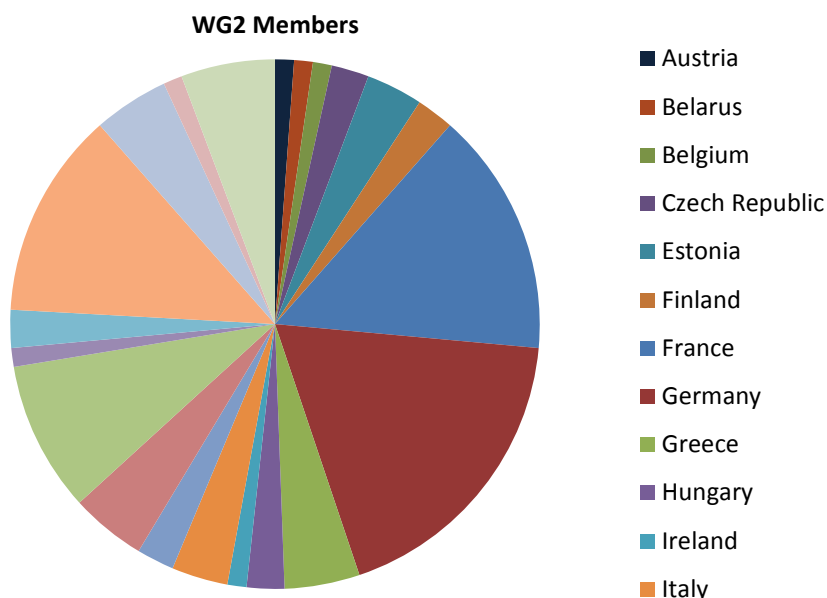


COST Action CM1206

WG 2 Newsletter 3 – February 2015

Members

Thank you very much to all the researchers that have contacted us to be part of WG2! At the moment we have 90 members from 21 different countries in Working group 2 (WG2). Germany (16 research groups), France (13 groups) and Spain (11 groups) are the countries with most representatives. Overall, 26 countries are participating in our COST action CM1206 - 80% of these countries are represented in WG2.



Almost all of you have already registered at our website www.usc.es/exil. Please do not forget to complete your *Researcher Profile* (link at the bottom of the homepage) – this will help other colleagues to know you and your work better.

You can *also* subscribe to *other working groups* of this COST Action. Nevertheless, please also inform the leaders of that working group since the webpage does not do this automatically.

If you need a letter of confirmation that you are already member of WG2, please let us know:

Margarida Costa-Gomes: margarida.costa-gomes@univ-bpclermont.fr

Christian Schröder: christian.schroeder@univie.ac.at

Discussion Forum

The discussion forum for WG2 is located at <http://www.usc.es/exil/forum/3>

You can find here:

1. Periodic newsletters
2. Presentations of our Workgroup sessions
3. Guidelines to propose a *Research Action* in WG2.

Furthermore, you may advertise your recent papers, start a discussion, ask or offer short term missions or place job opportunities. You may also make suggestions.

We also like to draw your attention to the news feed on publications arising from COST research activities. If you have publications acknowledging COST action CM1206, please send a copy to josefa.fernandez@usc.es.

COST CM1206 Meetings

The third Managing Committee (MC) meeting took place in Tarragona (Spain) in January 2015:

1. Our cost action has a new secretary Lotte Skafte Jespersen managing all reimbursements as well as incoming forms for short term missions.
2. There will be new application forms for short term missions which can be downloaded from our website. Please make sure to name the corresponding files accordingly to the suggestions in order to facilitate the application procedure.
3. The reviewing process of short term mission is now reduced to two weeks.
4. Since the budget year of our action ends in June, financial reporting necessitates that short term missions cannot be between May 15th and June 30th. As a result, the short term mission call in February does not allow for missions of three month.
5. All participants were reminded to acknowledge the COST action in (joint) disseminations and to use the COST action logo. All outcomes including publications, posters, presentations etc. should be communicated to the dissemination manager. The standard phrases for acknowledgment should be
 - I. For works at least partially inspired by exchanges fostered by an Action or benefiting from the coordination provided by an Action, regardless of the number or the status of authors, use the following test: ***“The author(s) would like to acknowledge the contribution of the COST Action CM1206.”***
 - II. For works co-authored by at least two WG/MC members from at least two different countries participating to the Action: ***“The author(s) would like to acknowledge networking support by the COST Action CM1206.”***
 - III. For outputs of Short-term scientific missions: ***“This work was supported by a STSM Grant from COST action CM1206.”***

Next Scientific Meetings

1. COST CM1206 meeting (including scientific sessions of all working groups)

- Prague , Czech Republic, April 20-22nd 2015
- Workgroup sessions for all four working groups.
- Further details will be sent to you by email soon.

2. Joint EMLG/JMLG annual meeting

- Rostock, Germany, September 6th-10th 2015
- Molecular liquids meet ionic liquids
- <http://www.emlg2015.org>

3. 3rd International Symposium on Sustainable Molten Salt and Ionic Liquid Processing

- Antalya, Turkey, October 4th-8th 2015
- <http://www.flogen.org/sips2015/Molten>

4. 26th EUCHEM on Molten Salts and Ionic Liquids

- Vienna, Austria, July 3rd-8th 2016
- COST CM1206 sessions

“Turn the ions around!”



Short term missions

A total number of 41 short term missions have been funded so far in the first two years of our COST action. The current budget per year is about 40 k€ but will be increased for the next budget period. We strongly encourage short term missions! Please note that these missions are only between research groups which are part of our action.

The following short term missions were funded.

November call 2014:

- Electrode models for confined ionic liquids
- Vapor pressure measurements of protic ionic liquids [DBNH][OAc] and [DBUH][OAc]
- Trispentafluorophenyl borane in trihexyltetradecylphosphonium chloride. Do FLP systems build up among Ionic Liquids?
- Design and Synthesis of Low Toxicity, Biodegradable Protic and Aprotic Ionic Liquids for Polymer Recycling
- Ecotoxicity of mixtures of Ionic Liquids and the effect of salinity
- Extraction of Proteins using IL-containing Aqueous Biphasic Systems (ABS)
- Liquid-Liquid Extraction of Europium and Americium by Task-Specific Ionic Liquids
- Selection of single stranded DNA-aptamers in unconventional ionic liquid solution
- Towards the use of Ionic Liquids as bioavailability promoters for aromatic pollutants
- Strategies to obtain polymeric ionic liquids for high temperature applications
- Novel, biocompatible, amino acid derived ionic liquid surfactants

February call 2015:

- Exploring ionic liquids effects on fungi: elucidating the role of sphingolipid signaling
- Phase Behavior of Selected Fluorinated Ionic Liquids in Aqueous Systems
- Novel, biocompatible, amino acid derived ionic liquid surfactants
- New ILs for Li-ion batteries (Mobility of Li-ions in solutions of Li-salts in ILs)
- Chemi- and physisorption of carbon dioxide in ionic liquids
- Extraction of triterpenic compounds from *E. globulus* and *O. europaea* leaves using ionic liquids

If you are interested in the results, please contact us and we will send you the email address of the corresponding supervisors.

Research Actions in WG2

1. “Electrostatics of ionic liquids and their mixtures”

Our first action concerns electrostatics of ionic liquids and their mixtures and is chaired by Prof. Varela (luismiguel.varela@usc.es) and Prof. Cabeza (oscabe@udc.es). This is a study combining theoretical and experimental tools to provide answers to this very important point of the physical chemistry of ionic liquids. Prof. Varela and Prof. Cabeza have gathered a very active group of scientists holding several meetings per year applying for various European H2020 calls. For more information please visit <http://www.usc.es/exil/node/28> or write them, if you are interesting in joining this call.

2. “New polarizable force field on ionic liquids”

This action aims to combine our efforts for developing a new polarizable force field on the basis of the well-known non-polarizable force field of Prof. Canongia Lopes and Prof. Padua. We are still working on a force field conversion tool between AMBER, CHARMM, DLPOLY and GROMACS on a XML basis including polarizable parameters. We are looking for experts in LAMMPS to join.

The groups of Prof. Canongia Lopes and Ass.-Prof. Schröder are currently developing new polarizability parameters which fit to the general and transferable force field strategy of the Canongia Lopes-Padua force field.

For further information please contact Christian Schröder (christian.schroeder@univie.ac.at).

We would like to advertise more joint experimental research activities within WG2. Please feel free to send your research call(s). Detailed instructions can be found at <http://www.usc.es/exil/node/14>.