



**Action MP1106**  
 Materials, Physical and Nanosciences

**COST Grant System**  
 16 May 2012

## Action MP1106 Fact Sheet

### Title

Smart and green interfaces - from single bubbles and drops to industrial, environmental and biomedical applications (SGI)

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### Details

Draft Mou: oc-2011-1-9659  
 Start of Action: 11/05/2012  
 End of Action: 10/05/2016

Mou: 4181/11  
 Entry into force: 06/01/2012  
 CSO approval date: 01/12/2011

### Objectives

Bubbles and drops are entities of enormous practical interest since their interfaces are met in numerous industrial processes and applications of every day life. In order to enhance efficiency, the creation of revolutionary Smart interfaces is demanded: interfaces that are easily manipulated with well-controlled size and properties. The acute modern environmental problems require attributing eco-friendly features to Smart interfaces by incorporating innovative materials or processes. The outcome is Smart and Green (S&G) interfaces. The objective of this Action is to organize a network of groups from academia and industry in order to identify best strategies and means to produce S&G interfaces. Furthermore, state-of-the-art experimental, theoretical and numerical work will be combined to acquire insight into the underlying phenomena through the scales and across the disciplines for the implementation of S&G interfaces in industrial, environmental and biomedical applications. The Action's main deliverables are the networking between groups working on different aspects of S&G interfaces through organization of scientific events, training schools and STSMs, and the industrial interface to market new technologies. The professional perspectives of ESRs will be boosted through an extensive mobility program. The Action's main benefit is the endorsement of the European scientific and industrial leadership in this field.



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Parties							
Country	Date	Country	Date	Country	Date	Country	Date
Austria	30/01/2012	Belgium	09/02/2012	Bulgaria	20/01/2012	Croatia	11/01/2012
Czech Republic	10/02/2012	Denmark	29/03/2012	Estonia	11/04/2012	Finland	03/05/2012
France	23/03/2012	Germany	18/01/2012	Greece	23/01/2012	Hungary	05/03/2012
Ireland	16/01/2012	Israel	27/12/2011	Italy	13/01/2012	Luxembourg	27/04/2012
Netherlands	17/01/2012	Norway	02/02/2012	Poland	18/01/2012	Portugal	06/01/2012
Romania	15/03/2012	Serbia	24/02/2012	Slovakia	23/03/2012	Slovenia	05/01/2012
Spain	04/01/2012	Turkey	15/03/2012	United Kingdom	09/12/2011		

Total: 27

Intentions to accept the MoU							
Country	Date	Country	Date	Country	Date	Country	Date

Total: 0

Working Groups
None

Website
None

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