



Technologies

COST Action CM1404
Chemistry and Molecular Sciences and

COST Grant System
6 March 2015

Action CM1404 Fact Sheet

Title

Chemistry of Smart Energy Carriers and Technologies (SMARTCATS)

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Details

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Start of Action:	06/03/2015	Entry into force: 25/11/2014
End of Action:	05/03/2019	CSO approval date: 13/11/2014

Objectives

The primary aim of the proposed Action is to create a Europe-wide network of world leading academic and research institutions and key industries to promote the use of smart energy carriers on a large scale in order to increase fuel flexibility and carbon efficiency of energy production and to support distributed energy generation strategies. The approach to accomplish this aim is twofold. On the one hand, academic/research organizations will devote strong efforts to bring together fundamental/advanced numerical and diagnostic tools to improve the understanding of combustion kinetics and by-products formation of smart energy carriers at micro/meso-scale levels. On the other hand, the intended exchange between academic and industrial partners will support the optimization of tools developed in the Action exploiting the way that smart energy carriers could be utilised at the macro-scale in advanced combustion technology devices. This interaction will lead to the identification of standards and criteria for development of a searchable database and Internet tool devoted to integration of experimental and numerical combustion chemical/physical data which will provide an easy access to such information relevant to smart energy carrier components.



Parties							
Country	Date	Country	Date	Country	Date	Country	Date
Austria	26/11/2014	Belgium	20/01/2015	Bulgaria	08/12/2014	Cyprus	19/11/2014
Czech Republic	02/03/2015	Denmark	05/12/2014	France	25/11/2014	Germany	28/11/2014
Greece	16/12/2014	Hungary	19/12/2014	Ireland	09/12/2014	Israel	18/11/2014
Italy	05/12/2014	Netherlands	16/02/2015	Norway	28/11/2014	Portugal	02/02/2015
Slovenia	29/12/2014	Spain	25/11/2014	Sweden	15/01/2015	Switzerland	16/01/2015
United Kingdom	18/11/2014						

Total: 21

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

Total: 0

Working Groups
None

Website
None

Management Committee	
Chair	Vice Chair
Domain Committee Rapporteur	

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GH Legal Representative	GH Manager/Administrator

