
Projects in Review

01-Dec-08

Proposal #

Div Code

- Steps:**
1. Receipt at the Secretariat [including consultation with Div. Officers]
 2. Internal evaluation and identification of outside reviewers [DC evaluation]
 3. Distribution to the outside reviewers and gathering of the reviews
 4. Communication of the reviews to the Division(s) or Standing Committee(s) for final decision or recommendation to the Project Committee
 5. Consideration and action by the Project Committee [or submitted to SG and Treasurer]
- >0 Proposal to be resubmitted
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2008-038-1	Chemical Industries & IUPAC 2				
022	Akira Ishitani		Date submitted:	22-Oct-08	
	Budget Requested in USD	16500	Review Step	date	
			4	21-Nov-08	
2008-042-1	Development of a Guide to IUPAC's Education Policy				
050	Tony Ashmore		Date submitted:	13-Nov-08	
	Budget Requested in USD	7880	Review Step	date	
			2	20-Nov-08	
2008-006-2	Thermodynamic study on hydrogen storage materials: metal organic frameworks and metal or complex hydrides				
1,2 -3,6?	Li-Xian Sun		Date submitted:	25-Jan-08	
	Budget Requested in USD	20000	Review Step	date	
			4 >0 >v2	13-Nov-08	
			>1 >5?		
2008-040-1	Towards a comprehensive definition of oxidation state				
2	Pavel Karen		Date submitted:	11-Nov-08	
	Budget Requested in USD	4200	Review Step	date	
			3	13-Nov-08	
2007-030-2	Evaluation of radiogenic abundance variations in selected elements				
2	Norman E. Holden		Date submitted:	01-Nov-07	
	Budget Requested in USD	8500	Review Step	date	
			4 >v2 ?	07-Jan-08	
2008-018-1	Translation in Greek and Dissemination of a monograph for Secondary Schools on "Global Climate Change"				
3	Panayotis A. Siskos		Date submitted:	21-Apr-08	
	Budget Requested in USD	7500	Review Step	date	
			1 >0	01-May-08	

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2008-017-2	Green Chemistry – creation and implementation of international cooperation in teaching and investigations			
3	Valery V. Lunin		Date submitted:	07-Nov-08
	Budget Requested in USD	7000	Review Step	date
			2	13-Nov-08
2008-037-1	Standard photochemical processes			
3, 1	Axel Griesbeck		Date submitted:	19-Oct-08
	Budget Requested in USD	15000	Review Step	date
			2	13-Nov-08
2008-028-1	Elongational rheometry devices for shear rheometers			
4	Dietmar Auhl		Date submitted:	25-Jul-08
	Budget Requested in USD	8000	Review Step	date
			4	24-Sep-08
2008-032-1	Basic guidelines to polymer nomenclature			
4,8	Roger Hiorns		Date submitted:	01-Sep-08
	Budget Requested in USD	6000	Review Step	date
			4	09-Oct-08
2008-031-1	Methods of measurement and evaluation of natural antioxidant capacity/activity			
5	Resat Apak		Date submitted:	19-Aug-08
	Budget Requested in USD	5500	Review Step	date
			4	05-Nov-08
2008-041-1	Global Availability of Information on Agrochemicals			
6	John Unsworth		Date submitted:	12-Nov-08
	Budget Requested in USD	6000	Review Step	date
			2&3	20-Nov-08
2008-011-1	Development of Simplified Methods and Tools for Ecological Risk Assessment of Pesticides: Continuation - extension to 2004-011-1-600			
6	Ronald Parker		Date submitted:	11-Mar-08
	Budget Requested in USD	3000	Review Step	date
			2&3 >0	16-Apr-08

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- >0 Proposal to be resubmitted

2008-036-1	Control of cyanide related diseases from cassava consumption in tropical Africa				
6	J. Howard Bradbury		Date submitted:	23-Sep-08	
	Budget Requested in USD	9000	Review Step	date	
			1	1-Dec-08	
2008-039-1	Waste: Problems and Solutions for our Planet or 'what to do with the things we throw away'				
6, 4?	Tevor Letcher		Date submitted:	09-Nov-08	
	Budget Requested in USD	7500	Review Step	date	
			2	12-Nov-08	
2008-003-2	Regional Drinking Water Quality Assessment in the Near East (Palestinian Authority, Jordan, and Israel) – An Overview and Perspective				
6,021	Yehuda Shevah		Date submitted:	13-Aug-08	
	Budget Requested in USD	20000	Review Step	date	
			4	05-Sep-08	
2008-034-1	IUPAC International Chemical Identifier (InChI): Further Development				
8	Alan McNaught		Date submitted:	22-Sep-08	
	Budget Requested in USD	30000	Review Step	date	
			1	23-Sep-08	
2008-035-1	IUPAC International Chemical Identifier (InChI) Symposium and IUPAC InChI subcommittee meeting				
8	Stephen R. Heller		Date submitted:	22-Sep-08	
	Budget Requested in USD	13000	Review Step	date	
			1	23-Sep-08	
2008-033-1	InChI and InChIKey: further promotion and advice to publishers, database providers and software developers on integration of IUPAC identifiers into all stages of chemoinformatics data processing				
8	Alan McNaught		Date submitted:	22-Sep-08	
	Budget Requested in USD	10000	Review Step	date	
			1	23-Sep-08	
TOTAL SUM Requested in USD					
		204580			

Objectives of the newly submitted proposals still under review.

The most recent at the top

<i>for administrative use only</i>	<i>Submitted 13 Nov 2008 ; # 2008-042-1-</i>
Date	November 2008
Project Title	Development of a Guide to IUPAC's Education Policy
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr Anthony Ashmore Consultant 8 Verley Close Woughton on the Green Milton Keynes MK6 3ER UK a.d.ashmore@waitrose.com Expert in policy formulation in national chemical society and regional grouping of chemical societies. Former national representative on CCE
Objective	The project will develop a statement of IUPAC education policy at all levels from primary school to continuing professional development for practitioners. The outcome will enable IUPAC to communicate an agreed vision for chemistry education and to develop and pursue a programme to achieve policy aims. . It will provide IUPAC as a whole, and CCE in particular, with a basis for <ul style="list-style-type: none">• considering new project proposals and for determining which existing projects should be sustained;• identifying gaps in activity and soliciting proposals for suitable projects.

<i>for administrative use only</i>	<i>Submitted 12 Nov 2008 ; # 2008-041-1</i>
Date	11 th November 2008
Project Title	Global Availability of Information on Agrochemicals
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr J.B. Unsworth 25 Vellacotts, Chelmsford, Essex CM1 7EA, UK <i>unsworjo@aol.com</i>

Objective	This is a continuation of project 2001-022-1-600 for which a web site has been put in place (see attached promotional flyer). The aim of this continuation is to ensure that the current web site continues to provide a reliable source of information on agrochemicals.
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<i>for administrative use only</i>	<i>Submitted 10 Nov 2008 ; # 2008-040-1</i>
Date	November 10, 2008
Project Title	Towards a comprehensive definition of oxidation state
Series Title (<i>if applicable</i>)	NA
Task Group Chairman	Professor Pavel Karen (solid-state inorganic chemistry) Department of Chemistry, University of Oslo POB 1033 Blindern, Oslo, Norway pavel.karen@kjemi.uio.no
Objective	(<50 words) The objective of this project is to obtain a comprehensive definition of the term “oxidation state” for an atom in a molecular entity or extended structure, and to suggest an algorithm to evaluate its numerical value in an unambiguous manner. A glossary of terms related to oxidation and reduction will be created.

<i>for administrative use only</i>	<i>Submitted 9 November 2008 ; # 2008-039-1</i>
Date	10 November 2008
Project Title	WASTE: Problems and Solutions for our Planet or ‘what to do with the things we throw away’
Series Title (<i>if applicable</i>)	
Task Group Chairman	Professor Trevor Letcher, Laurel House, FosseWay, Stratton on the Fosse, BA3 4QN, United Kingdom. Tel 10761-232311, trevor@letcher.eclipse.co.uk
Objective	(<50 words) The objective of the book is to highlight the problems related to all types of WASTE and to focus on recycling solutions. Each chapter will be written by an expert scientist or engineer working in the relevant field. It will consider most areas of waste, ranging from household to industrial to military and even to space waste. It should become a standard reference for students, government officials, parliamentarians, captains of industry, editors,

	journalists and to all interested people, for years to come.
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<i>for administrative use only</i>	<i>Submitted 22 Oct 2008 ; # 2008-038-1</i>
Date	Oct. 31 st , 2008
Project Title	Chemical Industries & IUPAC 2 Workshop, Kawasaki, Japan
Series Title (<i>if applicable</i>)	Chemical Industries & IUPAC
Task Group Chairman	Akira Ishitani Titular member, COCI Kanagawa Academy of Science and Technology, KSP West 614, 3-2-1, Sakado, Takatsu, Kawasaki, Kanagawa, 213-0012 Japan Tel: +81 44 819 2020 Fax: +81 44 819 2038 E-mail: ishitani@newkast.or.jp
Objective	This workshop is the second one after the one held in Marl, Germany on April 24 th and 25 th , 2008 successfully. Aims are to improve communications among chemical industries, chemical societies/NAOs and IUPAC through COCI, and increase CAs in the East Asian areas. Thirty representatives of chemical industries/CAs and chemical societies/NAOs from China, Korea and Japan will be invited to participate, with the future prospect of expanding the activities to Southeast Asian countries.

for administrative use only Submitted _____ ; # 2008-037-1

Date October 20, 2008

Project Title Standard Photochemical Processes

Series Title (*if applicable*)

Task Group Chairman Axel G. Griesbeck, Prof. Dr., University of Cologne, Germany, Department of Chemistry,
griesbeck@uni-koeln.de

Objective To establish a series of well-defined and completely characterized photochemical reactions that serve as model processes for scaling and adopting light-induced transformations. The specification of process parameters, lamp properties, reactor geometries, reaction details as well as quantum yields and spectral properties of substrate **and products from a series of model transformations.**

<i>for administrative use only</i>	<i>Submitted 23 Sep 2008__ ; # 2008-036-1-__</i>
Date	September 23, 2008
Project Title	Control of Cyanide Related Diseases from Cassava Consumption in Tropical Africa
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr J. Howard Bradbury, School of Botany and Zoology, Australian National University, Canberra, ACT 0200, Australia. Email Howard.Bradbury@anu.edu.au
Objective	Cassava contains the cyanogenic glucosides (linamarin and a little lotaustralin), that can cause (1) cyanide poisoning, (2) konzo, an irreversible paralysis of the legs occurring mainly in children and (3) tropical ataxic neuropathy, the symptoms of which are unsteady walking, loss of sensation in hands, deafness and blindness, and other health problems. An international cassava safety workshop is proposed to examine the problem, share experiences and develop protocols to control cyanide intake from cassava.

<i>for administrative use only</i>	<i>Submitted __22 Sep 2008 ; # 2008-035-1__</i>
Date	22 September 2008
Project Title	IUPAC International Chemical Identifier (InChI) Symposium and IUPAC InChI subcommittee meeting
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr. Stephen R. Heller National Institute of Standards and Technology NIST/PCPD, Mail Stop 8380 100 Bureau Drive Gaithersburg, MD 20899-8380 USA E-MAIL: steve@hellers.com
Objective	To present a symposium on InChI applications at the ACS Spring meeting in March 2009

<i>for administrative use only</i>	<i>Submitted 22 Sep 2008_ ; # 2008-034-1__</i>
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Date	22 September 2008
Project Title	IUPAC International Chemical Identifier (InChI): Further Development
Task Group Chairman	Dr Alan McNaught 8 Cavendish Avenue CAMBRIDGE CB1 7US UK E-MAIL: mcnaught@ntlworld.com
Objectives	<p>By continued partial funding of Dr Igor Pletnev at Moscow State University:</p> <ul style="list-style-type: none"> • To carry out the requirements of the IUPAC InChI subcommittee for continued development of InChI and InChIKey (see attached minutes of the September 2008 meeting) • To be responsible for InChI/InChIKey maintenance by responding to user questions and requests for clarification, and investigating and correcting any inadequacies in the publicly available InChI/InChIKey tools • To extend InChI to cover simple polymers, in accord with requirements specified in project 2004-039-1-800 • To extend the range of stereochemical situations handled by InChI • To investigate ways of extending InChI to handle organometallic compounds and implement as far as possible • To explore the possibility of extending InChI coverage to include Markush structures, 3-D structures, excited states, unattached groups, undefined substituents, and interlocking structures

<i>for administrative use only</i>	<i>Submitted 22 Sep 2008_ ; # 2008-033-1_</i>
Date	22 September 2008
Project Title	InChI and InChIKey: further promotion and advice to publishers, database providers and software developers on integration of IUPAC identifiers into all stages of chemoinformatics data processing
<i>Series Title (if applicable)</i>	

Task Group Chairman	Dr Alan McNaught 8 Cavendish Avenue CAMBRIDGE CB1 7US UK E-MAIL: mcnaught@ntlworld.com
Objective	This is a proposal to continue the programme of meetings established over the past two years with a wide range of users and potential users of the IUPAC International Chemical Identifier (InChI) and its fixed-length equivalent, InChIKey, in order to explain their function and potential uses and to ensure that these identifiers are used to maximum advantage by database managers, publishers and software developers; to ensure as far as possible that identifiers held both by organizations and individuals are exposed to web search capabilities, enabling coherent access to all types of chemical data across the web's distributed database of chemical information.

<i>for administrative use only</i>	<i>Submitted 1 Sep 2008 ; # 2008-032-1-</i>
Date	1 September 2008
Project Title	Basic Guidelines to Polymer Nomenclature
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr Roger C. Hiorns CNRS, Université de Bordeaux LCPO, ENSCPB 16 avenue Pey Berland 33607 Pessac Cedex France hiorns@enscpb.fr
Objective	To disseminate throughout the world polymer community a short, easily assimilated, guide to the essentials of polymer nomenclature.

<i>for administrative use only</i>	<i>Submitted 19 August 2008 ; # 2008-031-1</i>
Date	Aug. 2008
Project Title	Methods of measurement and evaluation of natural antioxidant capacity/activity.
Series Title (<i>if applicable</i>)	NA

Task Group Chairman	Resat Apak , PhD, Professor of Chemistry Head of the Analytical Chemistry Division, Faculty of Enggn., IU, Avcilar, Istanbul Istanbul University, İstanbul, Turkey Ph: 90-212-5282539 & 90-212-4737028 Fax: 90-212-5268433 E-mail: rapak@istanbul.edu.tr
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	Professor Jan Labuda
Objective	(<50 words) To bring in terms of definitions or definition-like characterization and classification the chemical and biochemical methods of antioxidant assays as well as related antioxidants chemistry and to provide analytical, food chemical, biomedical/clinical and environmental communities with critical evaluation on this topic.

<i>for administrative use only</i>	<i>Submitted 25 July 2008 ; # 2008-028-1-</i>
Date	25.07.2008
Project Title	Elongational rheometry devices for shear rheometers
Series Title <i>(if applicable)</i>	
Task Group Chairman	Dr. Dietmar Auhl Interdisciplinary Research Centre (IRC) in Polymer Science and Technology University of Leeds, Physics LS2 9JT Leeds United Kingdom (GB) d.aulh@leeds.ac.uk Dr. Ulrich A. Handge Universität Bayreuth Lehrstuhl für Polymere Werkstoffe Universitätsstraße 30, FAN A.2.04 95447 Bayreuth Germany ulrich.handge@uni-bayreuth.de
Objective	The purpose of this industry driven study is to provide a critical review and valuable recommendations for the practical handling of new elongational rheometry devices to a broad spectrum of

	users.
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<i>for administrative use only</i>	<i>Submitted 21 Apr 2008 ; # 2008-018-1</i>
Date	February 2008
Project Title	Translation in Greek and Dissemination of a monograph for Secondary Schools on “Global Climate Change”.
Series Title (<i>if applicable</i>)	
Task Group Chairman	<p>Prof. Panayotis A. Siskos Environmental Chemistry Laboratory Department of Chemistry National and Kapodistrian University of Athens Panepistimioupoli, 15771 Zografou, Athens, Greece e-mail: siskos@chem.uoa.gr</p> <p>Maria D. Kapassa, Chemist Msc, PhD Candidate, Harokopio University of Athens, 70 El. Venizelou Str, Athens 17671 Greece e-mail: makachem@gmail.com</p>
Objectives	<ul style="list-style-type: none"> • To translate a monograph on “Global Climate Change”, from English into Greek • To provide a total of 2000 copies of this monograph, translated into Greek, to the relevant secondary school authorities, professional science teaching bodies and secondary teachers in Greece. • To demonstrate the central role of chemistry in the treatment of issues of global importance and particularly the positive contribution of green chemistry to global environmental problems.

<i>for administrative use only</i>	<i>Submitted 21 Apr 2008 ; # 2008-017-1</i>
Date	16.04.2008
Project Title	Green Chemistry – creation and implementation of international cooperation in teaching and investigations
Series Title (<i>if applicable</i>)	
Task Group Chairman	<p>(including address and e-mail) Prof. Valery V. Lunin, Dean, Chemistry Department M.V.Lomonosov Moscow State University Leninskiye Gory 1, build. 3 119991 Moscow Russia Phone +7-495-9394575</p>

	Fax +7-495-9394575 e-mail vvulunin@kge.msu.ru
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	(including address and e-mail) Dr. Ekaterina S. Lokteva Chemistry Department M.V.Lomonosov Moscow State University Leninskiye Gory 1, build. 3 119991 Moscow Russia Phone +7-495-9393337 Fax +7-495-9394575 e-mail les@kge.msu.ru
Objective	(<50 words) The main objective is to provide the platform for chemists working in different areas of chemistry and all over the world to find collaborators for fruitful development of interdisciplinary green chemistry projects, both in science and in education. Special attention will be paid to the development of collaboration among the chemists from developed and developing countries.

<i>for administrative use only</i>	<i>Submitted 11 March 2008 ; # 2008-011-1</i>
Date	March 11, 2008
Project Title	Development of Tools and Training in Pesticide Risk Assessment Continuation 2004-011-1-600
Series Title (<i>if applicable</i>)	
Task Group Chairman	Dr. Ronald Parker Senior Environmental Engineer Environmental Fate and Effects Division Office of Pesticide Programs US Environmental Protection Agency 1200 Pennsylvania Avenue Washington DC 20460 USA Phone: [1] 703 305 5505 Fax: [1] 703 305 6019 E-mail: parker.ronald@epa.gov
Objectives	1. To finalize development of risk assessment tools and training materials that can be used by developing countries to perform pesticide ecological risk assessments and pesticide worker exposure/risk assessments. 2. To finalize placing the <i>Pesticide Risk Assessment and Training Module</i> on the FAO/IAEA INFOCRIS e-learning

	website where it can be used by developing countries both for performance of pesticide risk assessments and for on-site, step-by-step training in risk assessment methods.
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<i>for administrative use only</i>	<i>Submitted 25 January 2008 ; # 2008-006-1-</i>
Date	25 January 2008
Project Title	Thermodynamic Study on Hydrogen Storage Materials: Metal Organic Frameworks and Metal or Complex Hydrides
Series Title (<i>if applicable</i>)	
Task Group Chairman	Li-Xian SUN Materials & Thermochemistry Laboratory Dalian Institute of Chemical Physics Chinese Academy of Sciences 457 Zhongshan Road Dalian 116023 China E-mail: lxsun@dicp.ac.cn
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	(including address and e-mail) John H. Dymond 44 Dunmore Street Balfron, G63 0TX United Kingdom E-mail: dunmorecot@tiscali.co.uk
Objective	To investigate the thermodynamics of hydrogen production and storage, as a basis for the development of materials with improved hydrogen storage capability. This will be a systematic study of hydrogen adsorption/absorption by divided/confined materials (frameworks, for example Metal Organic Frameworks, MOFs), and the study of hydrogen production by (thermal) decomposition of Metal Hydrides (MHs), and Inorganic Hydrides (Complex Hydrides). The project will consist of 3 major components: a. Measurement of the energies of adsorption/absorption or decomposition, and the volumes of hydrogen adsorbed / absorbed or produced. b. Establishing a comprehensive bibliography. c. Creating an open domain XML-based Web archive so that the results will be freely available.

<i>for administrative use only</i>	<i>Submitted 9 January 2008 ; # 2008-003-1</i>
Date	Jan-1, 2008
Project Title	Regional Drinking Water Quality Assessment in the

	Near East (Palestinian Authority, Jordan, and Israel) – An Overview and Perspective
Series Title <i>(if applicable)</i>	
Task Group Chairman	<i>Yehuda Shevah</i> 6B Gazit St. Tel-Aviv, Israel ysheva@gmail.com
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	(including address and e-mail)
Objective	The objectives of this project are: <ul style="list-style-type: none"> • To assess the quality of the drinking water supplied to the population in the working area (Palestinian Authority, Jordan, Israel) • To identify major anthropogenic pollutant sources • To standardize drinking water and wastewater sampling and testing methods and comparative risk analysis • To recommend feasible strategies for remediation and treatment, both in general and for selected cases, in particular.

<i>for administrative use only</i>	<i>Submitted 8 August 2007 ; # 2007-030-1</i>
Date	August 5, 2007
Project Title	Evaluation of Radiogenic Abundance Variations in Selected Elements
Task Group Chairman	Dr. Norman E. Holden Brookhaven National Laboratory Building 197D National Nuclear Data Center Upton, NY 11973, USA Tel: +1 631 344 4268 Fax: +1 631 344 2806 (secretary: +1 631 344 2902) Email: holden@bnl.gov
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	Dr. Tyler B. Coplen U.S. Geological Survey 431 National Center 12201 Sunrise Valley Drive Reston, VA 20192, USA Tel: +1 703 648-5862 Fax: +1 703 648 5274 Email: tbcoplen@usgs.gov
Objective	The purpose of this project is to evaluate isotopic abundance variations in selected elements, including Re, Os, Rb, Sr, K, Nd, Sm, Hf, Lu, and Ar in a range of materials, based on peer-reviewed measurements, to

create graphical plots of these data, and to provide CIAAW with information to update the Table of Standard Atomic Weights.