
Projects in Review

08-Jan-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

2007-039-1- Extension of ThermoML - the IUPAC Standard for Thermodynamic Data
Communications
024,5,1 Michael Frenkel **Date submitted:** 04-Oct-07
Budget Requested in USD 10000 **Review Step** **date**
5 >3 03-Jan-08

2007-059-1 Heat Capacities of Liquids and Vapours
1 Trevor Letcher **Date submitted:** 28-Dec-07
Budget Requested in USD 7000 **Review Step** **date**
2 07-Jan-08

2007-054-1 Assessment of relativistic quantum chemical methodologies in pure and applied
chemistry
1 Stephen Cooke **Date submitted:** 04-Dec-07
Budget Requested in USD 6000 **Review Step** **date**
4 20-Dec-07

2007-029-1 Evaluation of Isotopic Abundance Variations in Selected Heavier Elements
2 Xiangkun Zhu **Date submitted:** 08-Aug-07
Budget Requested in USD 8980 **Review Step** **date**
4 > 5SG > 07-Jan-08
1?

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
5SG > 1?

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- >0 Proposal to be resubmitted

2007-038-1	Development of an isotopic periodic table for the educational community		
2,050	Norman E. Holden	Date submitted:	01-Oct-07
	Budget Requested in USD 23200	Review Step	date
		4 > 5SG >	07-Jan-08
		1?	
2007-040-1	Analysis of the usage of nano- in Chemistry		
2,1	Javier Garcia Martinez and Sanjay Mathur	Date submitted:	05-Oct-07
	Budget Requested in USD 4000	Review Step	date
		2&3 >0?	31-Oct-07
2007-058-1	Critically evaluated techniques for size separation characterization of starch		
4	Bob Gilbert	Date submitted:	23-Dec-07
	Budget Requested in USD 9000	Review Step	date
		1	04-Jan-08
2007-007-1	Terminology Relevant to Biorelated Polymer Science and Applications (supplement to 2004-043-1-400)		
4	M. Vert	Date submitted:	19-Feb-07
	Budget Requested in USD 6000	Review Step	date
		1 qst?	17-Dec-07
2007-056-1-	Study and Properties of Polyurethane Elastomers of Variable Crystallinity, Based on Flexible Hard Segments with 4,4'-Dibenzyl Diisocyanate (DBDI)		
4	Cristina Prisacariu	Date submitted:	17-Dec-07
	Budget Requested in USD 5000	Review Step	date
		2	02-Jan-08
2008-002-1	A glossary of concepts and terms in chemometrics		
5	Brynn Hibbert	Date submitted:	07-Jan-08
	Budget Requested in USD 5000	Review Step	date
		1	07-Jan-08

Objectives of the newly submitted proposals still under review.

The most recent at the top

<i>for administrative use only</i>	<i>Submitted 7 Jan 2008 ; # 2008-002-1</i>
Date	2007-12-18
Project Title	A glossary of concepts and terms in chemometrics
Series Title (<i>if applicable</i>)	
Task Group Chairman	Professor D Brynn Hibbert, School of Chemistry, University of New South Wales, Sydney, NSW 2052, Australia b.hibbert@unsw.edu.au
Objective	Overall: To provide a glossary of IUPAC-recommended concepts and terms for use by the chemometrics community. This project: To establish the scope of the problem, and to set up the consultation process (via a wiki) of draft terms.

<i>for administrative use only</i>	<i>Submitted 2 Jan 2008 ; # 2008-001-1-</i>
Date	January 1, 2008
Project Title	Biophysico-Chemical Processes of Anthropogenic Organic Compounds in Environmental Systems
Series Title (<i>if applicable</i>)	Biophysico-Chemical Processes in Environmental Systems
Task Group Chairman	Prof. Dr. Baoshan Xing Department of Plant, Soil and Insect Sciences Stockbridge Hall University of Massachusetts, Amherst, MA 01003, USA Tel.: 001-413-5455212 Fax: 001-413-5453958 e-mail: bx@pssci.umass.edu
Objective	Overall goal is to provide the scientific and professional communities with an up-to-date information and critical evaluation by the word-leading scientists on biophysico-chemical processes of anthropogenic organic compounds (AOCs) in soils, sediments, water and air. The specific objectives of this proposed book are to address: (1) fundamental biophysico-chemical processes of AOCs in the environment, (2) occurrence and distribution of AOCs in air, water, and soil, and their global cycling, (3) the state-of-the-art analytical techniques of AOCs, and (4) restoration of natural environments contaminated by

	AOCs. The proposed book will also identify the gaps in knowledge on the subject matter and as such provide future directions to stimulate scientific research to advance the chemical science on biophysico-chemical interfacial reactions of AOCs in various environmental media, leading to the subsequent development of innovative management strategies to sustain environmental quality and ecosystem health on a global scale. This book will be an important addition to the scientific literature and a valuable source of reference for students, professors, scientists and engineers.
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<i>for administrative use only</i>	<i>Submitted 28 Dec 2007 ; # 2007-059-1</i>
Date	28 December 2008
Project Title	Heat Capacities of Liquids and Vapours
Series Title (<i>if applicable</i>)	
Task Group Chairman	<p>1. Professor Trevor Letcher, Laurel House, FosseWay, Stratton on the Fosse, BA3 4QN, United Kingdom. Tel 10761-232311, trevor@letcher.eclipse.co.uk</p> <p>2. Professor Emmerich Wilhelm Department of Chemistry, University of Vienna, Währinger Strasse 42, A-1090, Vienna, Austria, Emmerich.wilhelm@univie.ac.at</p>
Objective	The purpose is to produce a single, up-to-date volume on all aspects of HEAT CAPACITY for Liquids and Vapours, Pure Substances and Mixtures written by the world's experts in each of about 20 subject areas.

<i>for administrative use only</i>	<i>Submitted 23 Dec 2007 ; # 2007-058-1</i>
Date	Saturday, 22 December 2007
Project Title	Critically evaluated techniques for size separation characterization of starch
Series Title (<i>if applicable</i>)	
Task Group Chairman	<p>Professor Robert G Gilbert Centre for Nutrition & Food Science Hartley Teakle Bld S434 University of Queensland Brisbane Qld 4072 Australia b.gilbert@uq.edu.au</p>

Objective	To produce a reliable means of characterize starch by size separation techniques (such as size exclusion chromatography and field-flow fractionation), by critically examining and reconciling the various, and presently rather diverse, methodologies developed independently by leading groups in the field
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<i>for administrative use only</i>	<i>Submitted 21 Dec 2007 ; # 2007-057-1-</i>
Date	21 December 2007
Project Title	3 rd International Workshop on Crop Protection Chemistry in Latin America: Environment, Safety, and Regulation
Series Title (<i>if applicable</i>)	This would be the 8 th in a series of regional crop protection chemistry workshop-related projects sponsored by IUPAC since 1988 and the 3 rd held in Latin America.
Task Group Chairman	Prof. Irene Baptista De Alleluia Instituto Nacional de Tecnologia Divisao de Meio Ambiente Av. Venezuela, 82 20081-310 Rio de Janeiro, RJ BRAZIL Phone: +55 21 2206 1104 Fax: +55 21 2206 1107 Email: irene.alleluia@gmail.com Email: garp@garp.org.br
Name of the person submitting this form <i>if not the proposed Task Group Chairman</i>	Dr. Kenneth D. Racke, Chair IUPAC Division VI Subcommittee on Crop Protection Chemistry c/o Dow AgroSciences 9330 Zionsville Road, Bldg 308/2E Indianapolis, IN 46268 USA Phone: +1 317 337 4654 Email: kracke@dow.com
Objective	Crop protection chemistry is at a critical juncture in Latin America. The region is self-sufficient in food production and there is a resulting need for reliance on agrochemicals and biotechnology for crop protection purposes. In addition to local consumption, export of agricultural products is also a major source of income for some countries within the region, with Europe and the U.S. being two of the most important export destinations. The scientific study, evaluation, and regulation of crop protection chemistry are evolving rapidly in Latin America, particularly with respect to environmental assessment, product quality, and residues in food. There

	<p>is a growing desire on the part of scientists, regulators, and industry leaders in the region to consider and adopt international approaches to meet Latin American crop protection chemistry needs. Some of the impetus driving this interest is the increased participation in world trade that has occurred during the past decade, which has brought new challenges to the agricultural exporting countries in the region. In the development and adoption of new approaches for crop protection chemistry, there is a need to consider lessons learned in other regions and to adapt for local use the various harmonized approaches which are now available. These include international recommendations and standards from such international bodies as OECD, FAO, and Codex as well as the recommendations of recently completed and ongoing IUPAC projects.</p> <p>The primary objectives of this project are to:</p> <ol style="list-style-type: none"> 1. Identify and prioritize the key regional issues related to crop protection chemistry and potential environmental impacts in Brazil and the whole of Latin America. 2. Facilitate exchange of information and ideas regarding harmonized approaches available for the scientific evaluation and regulation of crop protection chemistry. 3. Develop recommendations for advancement of crop protection chemistry in Brazil and all of Latin America.
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<i>for administrative use only</i>	<i>Submitted 17 Dec 2007; # 2007-056-1-</i>
Date	17/12/2007
Project Title	Study and Properties of Polyurethane Elastomers of Variable Crystallinity, Based on Flexible Hard Segments with 4,4'-Dibenzyl Diisocyanate (DBDI).
Series Title <i>(if applicable)</i>	
Task Group Chairman	Dr. Cristina Prisacariu, Institute of Macromolecular Chemistry "Petru Poni", Aleea Grigore Ghica Voda, Nr. 41 A, 700487, Iasi, Romania; Email: crispris@icmpp.ro Email: cristinaprisacariu@yahoo.com
Objective	To evaluate and improve understanding of the relationship between molecular/supramolecular architecture, and useful physical/mechanical properties, for a uniquely versatile family of polyurethanes categorized in engineering elastomers, based on flexible hard segments

	associated with a higher tendency to crystallization; the study and quantitative modelling of their mechanical properties.
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<i>for administrative use only</i>	<i>Submitted 4 Dec 2007 ; # 2007-054-1</i>
Date	19 th November 2007
Project Title	Assessment of relativistic quantum chemical methodologies in pure and applied chemistry
Series Title (<i>if applicable</i>)	
Task Group Chairman	Stephen Cooke University of North Texas Department of Chemistry Box 305070 Denton, Texas 76203-5070 sacooke@unt.edu
Objective	(<50 words) The objectives of this project are: (1) To review and identify relativistic effects in pure and applied chemistry. (2) To assess the performance of the relativistic quantum mechanical methods used by comparison with relevant experimental data.

<i>for administrative use only</i>	<i>Submitted 28 Nov 2007; # 2007-053-1-</i>
Date	2007-11-28
Project Title	Glossary of Terms Used in Immunotoxicology
Series Title (<i>if applicable</i>)	
Task Group Chairman	Prof. Douglas M. Templeton University of Toronto Department of Lab. Medicine & Pathobiology 1 King's College Circle Toronto, ON M5S 1A8, Canada Tel: +1 416-978-3972 Fax +1 416-978-5959 e-mail: doug.templeton@utoronto.ca
Objective	To prepare a glossary defining terms in the specialized field of immunotoxicology, to supplement the recently published Glossary of Terms Used in Toxicology (2 nd ed.), and aid chemists in the interpretation of the output of project #1999-047-1-700, Immunochemistry of Metals.

<i>for administrative use only</i>	<i>Submitted 7 Nov 2007 ; # 2007-050-1-</i>
Date	6 November 2007
Project Title	Climate and Global Change: observed impacts on planet earth
Series Title (<i>if applicable</i>)	
Task Group Chairman	(including address and e-mail) 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 have all the scientific arguments and evidence relating to 'climate and global change' in one book, with each chapter written by an expert scientist working in the relevant field. The book will be an unemotional presentation of the facts and should become a standard reference in the field for years to come. It is an honest answer to the large amount of misinformation that is being generated about the subject.

<i>for administrative use only</i>	<i>Submitted 5 October 2007 ; # 2007-040-1-</i>
Date	October 4, 2007
Project Title	Analysis of the usage of nano- in Chemistry
Task Group Chairmen	Dr. Javier Garcia Martinez Department of Inorganic Chemistry University of Alicante Carretera San Vicente s/n Alicante, E-03690, Spain j.garcia@ua.es Prof. Dr. Sanjay Mathur Department of Nanocrystalline Materials and Thin Films Leibniz-Institute für Neue Materialien Im Stadwald. Buildind D2 2. 66123, Saarbürcken, Germany sanjay.mathur@inm-gmbh.de
Objective	To map and critically study the use of the prefix <i>nano</i> in various fields of Chemistry. For this purpose, we will use the different search engines available in the web to compare the usage of nano-containing terms. We will map the evolution and usage of nano-containing descriptive terms according to different criteria, and critically analyze their validity in scientific (chemical) language.

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<i>for administrative use only</i>	<i>Submitted 4 Oct 2007 ; # 2007-039-1-</i>
Date	October 1, 2007
Project Title	Extension of ThermoML - the IUPAC Standard for Thermodynamic Data Communications
Series Title (<i>if applicable</i>)	XML-based IUPAC Standard for Experimental and Critically Evaluated Thermodynamic Property Data Storage and Capture
Task Group Chairman	Michael Frenkel Thermodynamics Research Center, 838.01 Physical and Chemical Properties Division National Institute of Standards and Technology 325 Broadway Boulder, Colorado 80305-3328 USA frenkel@boulder.nist.gov
Objective	The principal objective of the project is to broaden the scope of the existing IUPAC standard for thermodynamic data communications, ThermoML, to support storage and exchange of thermodynamic property data for speciation and complex equilibria that occur in aqueous and non-aqueous solvents as well as thermodynamic properties of biomolecules and biomaterials.

<i>for administrative use only</i>	<i>Submitted 1 October 2007 ; # 2007-038-1-</i>
Date	September 29, 2007
Project Title	Development of an Isotopic Periodic Table for the Educational Community
Task Group Chairman	(including address and e-mail) 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
Objective	The objective of this project is to clarify the role of isotopes in chemistry and other sciences..

<i>for administrative use only</i>	Submitted 22 August 2007 ; # 2007-033-1
Date	1 August 2007
Project Title	Revision of the "Silver Book" : Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences (IUPAC and IFCC Recommendations 1995) J.C. Rigg, S.S. Brown, R. Dybkaer, H. Olesen
Series Title (<i>if applicable</i>)	Updating of the "Color Books"
Task Group Chairman	Prof. G. Féraud 7 rue des Jardins Fleuris, 67000 Strasbourg, France Phone: +33388312860 E-mail: georges.ferard@noos.fr
Objective	Update all the ten chapters of the first edition of the Silver Book to integrate recommendations and standards published by IUPAC, IFCC and ISO...

<i>for administrative use only</i>	Submitted 8 August 2007 ; # 2007-030-1
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.
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<i>for administrative use only</i>	<i>Submitted 8 August 2007 ; # 2007-029-1</i>
Date	August 3, 2007
Project Title	Evaluation of Isotopic Abundance Variations in Selected Heavier Elements
Task Group Chairman	Prof. Dr. Xiangkun Zhu Director of the Laboratory of Isotope Geology Institute of Geology Chinese Academy of Geological Sciences 26 Baiwangzhuang Road Beijing 100037 P. R. China Email: xiangkun@cags.net.cn
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 of selected elements, including Ca, Ti, Cr, Fe, Ni, Cu, Zn, Se, Mo, and Cd in a range of materials, based on peer-reviewed measurements, to make graphical plots of these data and to provide CIAAW with information to update the Table of Standard Atomic Weights.

<i>for administrative use only</i>	<i>Submitted 31 July 2007 ; # 2007-026-1-</i>
Date	31 th of July 2007
Project Title	Soils contaminated with explosives – Environmental risk assessment and evaluation of state-of-the-art treatment processes
Task Group Chairman	Dr. Dimitrios Kalderis Department of Environmental Engineering Technical University of Crete University Campus, Chania, Crete Greece, 73100 e-mail: dimitrios.kalderis@enveng.tuc.gr
Objective	To collect and review all published data on explosives contamination of soils To provide a comprehensive environmental and human

	<p>health risk assessment on soils contaminated with explosives (bioavailability, degradation pathways etc) To evaluate and compare all the current treatment processes and determine the optimum treatment scheme, based on factors such as efficiency, cost, duration of treatment and others.</p>
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<i>for administrative use only</i>	<i>Submitted 19 Feb 2007 ; # 2007-007-1</i>
Date	January 30st, 2007
Project Title	<p>Terminology Relevant to Biorelated Polymer Science and Applications</p> <p>Application for the extension of the project Terminology for (biomedical (therapeutic) polymers (Project Number: 2004-043-1-400)</p>
Task Group Chairman	<p>Michel Vert CRBA-CNRS, UMR 5473 Faculty of Pharmacy 15, Ave. Ch. Flahault, BP 14491 34093 Montpellier cedex 5 France (vertm@univ-montp1.fr)</p>
Objective	<p>Establishing a terminology related to polymeric materials used by surgeons and pharmacologists has been under way for almost two years. Good progress has been achieved but in the meantime, the Task Group has realized that polymers are also used in contact with living systems of the environment to which humans also belong. Therefore, this prolongation is aimed at completing the engaged work and at extending its field to achieve a harmonized terminology applicable to all bio-related polymers and polymer applications, a goal that was originally thought would be accomplished as parallel tasks. Thus, the Task Group of the previous project has been enlarged to cover the broader area that is now to be tackled.</p>