
Projects in Review

06-May-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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2008-007-2 Preparation for the Translation of the Green Book

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|---|--------------------------------|------------------------|--------------------|-------------|
| 1 | Roberto Marquardt | Date submitted: | 11-Apr-08 | |
| | Budget Requested in USD | 12500 | Review Step | date |
| | | | 2&3 | 15-Apr-08 |

2008-006-1 Thermodynamic study on hydrogen storage materials: metal organic frameworks and metal or complex hydrides

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|---|--------------------------------|------------------------|--------------------|-------------|
| 1 | Li-Xian Sun | Date submitted: | 25-Jan-08 | |
| | Budget Requested in USD | 20000 | Review Step | date |
| | | | 4 >0 | 11-Mar-08 |

2007-029-1 Evaluation of Isotopic Abundance Variations in Selected Heavier Elements

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| 2 | Xiangkun Zhu | Date submitted: | 08-Aug-07 | |
| | Budget Requested in USD | 8980 | Review Step | date |
| | | | 4 > ? | 07-Jan-08 |

2007-030-2 Evaluation of radiogenic abundance variations in selected elements

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|---|--------------------------------|------------------------|--------------------|-------------|
| 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"

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|---|--------------------------------|------------------------|--------------------|-------------|
| 3 | Panayotis A. Siskos | Date submitted: | 21-Apr-08 | |
| | Budget Requested in USD | 7500 | Review Step | date |
| | | | 1 | 01-May-08 |

2008-017-1 Green Chemistry – creation and implementation of international cooperation in teaching and investigations

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|---|--------------------------------|------------------------|--------------------|-------------|
| 3 | Valery V. Lunin | Date submitted: | 21-Apr-08 | |
| | Budget Requested in USD | 7000 | Review Step | date |
| | | | 1 >0? | 05-May-08 |

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- 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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2008-016-1 Making the on-line journal of green chemistry: Green Rapid Internet Communications (GRIC); feasibility study

3 P. Tundo **Date submitted:** 13-Apr-08
Budget Requested in USD 3500 **Review Step** **date**
 2 17-Apr-08

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**
 3 03-Mar-08

2008-015-1 Preferred names for polymers

4, 8 Werner Mormann **Date submitted:** 01-Apr-08
Budget Requested in USD 6000 **Review Step** **date**
 2&3 15-Apr-08

2008-008-1 An introduction to the IUPAC-NIST Solubility Data Series: Preparation and use of compilations and evaluations

5 David Shaw **Date submitted:** 07-Feb-08
Budget Requested in USD 3250 **Review Step** **date**
 2 18-Feb-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**
 4 10-Apr-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

Objectives of the newly submitted proposals still under review.*The most recent at the top*

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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. |

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| <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>) | |

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| Task Group Chairman | (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 Fax +7-495-9394575 e-mail vvlunin@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. |

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| <i>for administrative use only</i> | <i>Submitted 13 Apr 2008 ; # 2008-016-1</i> |
| Date | |
| Project Title | Making the on-line journal of green chemistry: Green Rapid Internet Communications (GRIC); feasibility study |
| Series Title <i>(if applicable)</i> | Green Chemistry Series |
| Task Group Chairmen | Prof. P. Tundo Università di Venezia, Ca' Foscari, Dipartimento di Scienze Ambientali, Dorsoduro 2137- 30123 Venice Italy e-mail: tundop@unive.it Prof. G. Sartori Università degli Studi di Parma, Dipartimento di Chimica Organica e Industriale, viale G. P. Usberti 17/A -43100 Parma Italy. e-mail: giovanni.sartori@unipr.it |
| Objective | To evaluate the feasibility of an e-mail journal for rapid and early communications on Green Chemistry according |

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| | and early communications on Green Chemistry according, but different, to well documented models (i.e. archivok, http://newsletter.arkat-usa.org) for Organic Chemistry or arXiv, http://arxiv.org/ for physics and mathematics) |
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| <i>for administrative use only</i> | <i>Submitted 1 Apr 2008 ; # 2008-015-1</i> |
| Date | |
| Project Title | Preferred Names for Polymers List of preferred, acceptable (other IUPAC approved) and not acceptable (wrong or outdated) names for polymers |
| Series Title (<i>if applicable</i>) | Polymer Nomenclature |
| Task Group Chairman | Prof. Dr. Werner Mormann FB 8, Laboratorium für Makromolekulare Chemie Universität Siegen D-57068 Siegen (Germany) mormann@chemie.uni-siegen.de |
| Name of the person submitting this form <i>if not the proposed Task Group Chairman</i> | (including address and e-mail) Professor Richard G. Jones (UK, Chairman, Subcommittee on Polymer Terminology) dick@rgjones.freeserve.co.uk |
| Objective | To provide an up to date list of preferred, acceptable, and not acceptable (outdated) structure-based names for constitutional units and for organic polymers. |

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| <i>for administrative use only</i> | <i>Submitted 21 March 2008 ; # 2008-013-1</i> |
| Date | 21 March 2008 |
| Project Title | Analogue-based Drug Discovery (ABDD) II (`continuation' of IUPAC project 2002-051-1-700 which was completed in July '05) |
| Series Title (<i>if applicable</i>) | |
| Task Group Chairman | Dr. Janos Fischer c/o Richter Plc H-1475 Budapest 10, P.O.Box 27 Hungary j.fischer@richter.hu |
| Objective | The project under the title "Analogue-based Drug Discovery" has been successfully completed between 2003-2005 and the book, which has been published in 2006 by Wiley-VCH, was well received and all the copies |

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| | <p>have been sold in 18 months. Based on the positive feedbacks (see eg. M. Cowart, J. Med. Chem. 2006, <u>49</u>, 4799) a continuation is needed.</p> <p>> Book Review online at <http://pubs.acs.org/cgi-bin/article.cgi/jmcmar/2006/49/i15/html/jm068024p.htm></p> |
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| <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 | <p>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</p> |
| Objectives | <p>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.</p> <p>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.</p> |

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| <i>for administrative use only</i> | <i>Submitted 3 March 2008 ; # 2008-010-1</i> |
| Date | |
| Project Title | Update of Glossary of Terms used in Medicinal Chemistry |
| Series Title (<i>if applicable</i>) | |

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| Task Group Chairman | Dr. Derek R. Buckle 18 Hillfield Road Redhill, Surrey, RH1 4AP United Kingdom drb.associates@dsl.pipex.com |
| Name of the person submitting this form <i>if not the proposed Task Group Chairman</i> | Professor C. Robin Ganellin address as on page 1 robin.ganellin@tesco.net |
| Objective | It is 10 years since the publication of Glossary of Terms Used in Medicinal Chemistry. In this period the subject has undergone considerable change particularly through the use of laboratory robotics and miniaturization. It is necessary to bring the Glossary up to date to reflect these changes. |

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| <i>for administrative use only</i> | <i>Submitted 7 Feb 2008 ; # 2008-008-1</i> |
| Date | February 2008 |
| Project Title | An Introduction to the IUPAC-NIST Solubility Data Series: Preparation and Use of Compilations and Evaluations |
| Series Title (<i>if applicable</i>) | |
| Task Group Chairman | David Shaw 85 E India Row No 26A Boston MA 02110 USA ffdgs@uaf.edu |
| Objective | The IUPAC-NIST Solubility Data Series (SDS) is long-standing IUPAC project for the exhaustive compilation and critical evaluation of experimental data on solubility of chemically defined systems. As a result of changes in SDS publisher and the passage of time, it is now necessary to prepare and publicize background information for the guidance of both users of and contributors to the SDS. This proposed project will do this by preparing a Technical Report for publication in Pure and Applied Chemistry and/or the Journal of Physical and Chemical Reference Data (the present publisher of the SDS). |

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| <i>for administrative use only</i> | <i>Submitted 11 April 2008 ; # 2008-007-2</i> |
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| Date | |
| Project Title | <i>Preparation for the Translation of the Green Book</i> |
| Series Title (<i>if applicable</i>) | |
| Task Group Chairman | Roberto Marquardt (TM on I.1) roberto.marquardt@chimie.u-strasbg.fr Laboratoire de Chimie Quantique Institut de Chimie – UMR 7177 CNRS/ULP 4 rue Blaise Pascal, F-67000 Strasbourg |
| Name of the person submitting this form <i>if not the proposed Task Group Chairman</i> | (including address and e-mail) |
| Objective | To pave the process of using the English original computer source files for the preparation of a structurally identical Green Book document in other languages such as German, French, Italian, Turkish, Japanese or Portuguese. In the long run adherence to the present structure will facilitate generating across-the-languages dictionaries. |

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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 |

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| | <p>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:</p> <ol style="list-style-type: none"> Measurement of the energies of adsorption/absorption or decomposition, and the volumes of hydrogen adsorbed / absorbed or produced. Establishing a comprehensive bibliography. Creating an open domain XML-based Web archive so that the results will be freely available. |
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| <i>for administrative use only</i> | <i>Submitted 9 January 2008 ; # 2008-003-1</i> |
| Date | <i>Jan-1, 2008</i> |
| 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 | <p>The objectives of this project are:</p> <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. |

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| <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>) | |

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| 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. |

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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. |

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| | <p>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 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 |

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| 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 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. |

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| <i>for administrative use only</i> | <i>Submitted 22 August 2007 ; # 2007-033-1</i> |
| 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 |

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| 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... |
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| <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. |

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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 |

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| 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. |