

## Total Commitments and Operations 2010-11

|               | Commitments<br>(Actual) | % of Total<br>Budget<br>(Guideline:<br>70 %) | Operations<br>(Actual) | % of Total<br>Budget<br>(Guideline: 30<br>%) | Total Operations &<br>Commitments<br>(Actual) | Total Operations<br>& Commitments<br>(Budget) | Over/<br>(Under) | Per Cent<br>Spent |
|---------------|-------------------------|--|------------------------|--|---|---|------------------|-------------------|
| Division I    | 53,000                  | <b>78.8%</b>                                 | 14,666                 | 21.8%  | 67,666  | 67,300  | <b>366</b>       | 100.5%            |
| Division II   | 49,495                  | <b>89.7%</b>                                 | 5,705                  | 10.3%  | 55,200  | 55,200  | -                | 100.0%            |
| Division III  | 40,000                  | <b>73.5%</b>                                 | 9,586                  | 17.6%  | 49,586  | 54,400  | (4,814)          | 91.2%             |
| Division IV   | 42,300                  | <b>74.9%</b>                                 | 13,714                 | 24.3%  | 56,014  | 56,500  | (486)            | 99.1%             |
| Division V    | 45,050                  | <b>74.3%</b>                                 | 15,561                 | 25.7%  | 60,611  | 60,600  | <b>11</b>        | 100.0%            |
| Division VI   | 49,750                  | <b>73.2%</b>                                 | 17,264                 | 25.4%  | 67,014  | 68,000  | (986)            | 98.6%             |
| Division VII  | 35,169                  | 56.5%  | 27,151                 | <b>43.6%</b>                                 | 62,320  | 62,300  | <b>20</b>        | 100.0%            |
| Division VIII | 42,700                  | 53.4%  | 37,300                 | <b>46.6%</b>                                 | 80,000  | 80,000  | -                | 100.0%            |

|          | Commitments<br>(Actual) | Commitments<br>(Budget) | Over/<br>(Under) | Operations<br>(Actual) | Operations<br>(Budget) | Over/<br>(Under) |
|----------|-------------------------|-------------------------|------------------|------------------------|------------------------|------------------|
| CCE      | 20,000                  | 20,000                  | -                | 19,838                 | 20,300                 | (462)            |
| COCI     | 15,500                  | 20,000                  | (4,500)          | 17,210                 | 22,000                 | (4,790)          |
| CHEMRAWN | N/A                     |                         |                  | 31,300                 | 31,300                 | -                |
| CPEP     | N/A                     |                         |                  | 15,510                 | 18,400                 | (2,890)          |
| ICTNS    | N/A                     |                         |                  | 9,616                  | 4,000                  | 5,616            |

Commitments in the Table above are commitments made by the Divisions or Standing Committees and do not include commitments made from the Project Committee or Strategic Opportunities Fund.

The Treasurer's Guidelines suggest that project commitments for Divisions should be 70 % of the total budget and operations expense 30 %. The actual values for these guidelines are shown in the Table.

CCE and COCI have fixed Project and Operations Budgets.

**Project Commitments 2010-11**

| <b>Project Number</b>           | <b>Chairman</b>   | <b>Title</b>   | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|---------------------------------|-------------------|--|----------------|-----------------------------|
| <b>Division I</b>               |                   |  |                |                             |
| 2010-009-1-100                  | Matthias Thommes  | Physisorption of Gases, with special reference to the evaluation of surface area and pore size distribution  | 5,000          | 5,000                       |
| 2008-037-2-300                  | Axel Griesbeck    | Standard photochemical processes   | 5,000          | 10,000                      |
| 2010-033-2-024                  | Bonnie Wallace    | JCAMPX-CD: Standardization of Data and Meta-data formats for Circular Dichroism and Synchrotron Radiation Circular Dichroism Spectroscopy, and interface with the Protein Circular Dichroism Data Bank | 6,000          | 9,800                       |
| 2010-048-3-100                  | Stephen A. Cooke  | Common values of nuclear electric quadrupole coupling terms for appropriate nuclei in functionalized hydrocarbons  | 5,000          | 5,000                       |
| 2011-037-2-100                  | Robert D. Chirico | Recommended Reference Materials for Phase Equilibrium Studies  | 11,000         | 11,000                      |
| 2011-038-1-100                  | Rolando Guidelli  | Definitions of transfer coefficient and of partial charge transfer coefficient in electrode kinetics   | 7,000          | 7,000                       |
| 2011-049-1-100                  | T.J. Wallington   | Evaluated Kinetic Data for Atmospheric Chemistry (Extension of project 2009-031-1-100)   | 7,000          | 7,000                       |
| 2011-022-2-100                  | Jonathan Tennyson | Intensities and line shapes in high-resolution spectra of water isotopologues from experiment and theory (extension of 2004-035-1-100)   | 7,000          | 22,000                      |
| <b>Total Commitments (DC I)</b> |                   |  | <u>53,000</u>  |                             |

**Project Commitments 2010-11**

| <b>Project Number</b>            | <b>Chairman</b>  | <b>Title</b>  | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|----------------------------------|------------------|---|----------------|-----------------------------|
| <b>Division II</b>               |                  |   |                |                             |
| 2009-025-1-200                   | Michael Wieser   | Technical Guidelines for Isotope Abundances and Atomic Weight Measurements  | 2,500          | 2,500                       |
| 2009-027-1-200                   | Willi A. Brand   | Assessment of Stable Isotopic Reference and Inter-Comparison Materials  | 9,600          | 9,600                       |
| 2009-029-1-200                   | Takafumi Hirata  | Evaluated Published Isotope Ratio Data (2010-2011)  | 13,200         | 13,200                      |
| 2009-045-1-200                   | Hitoshi Ishida   | Guidelines for Measurement of Luminescence Spectra and Quantum Yields of Inorganic Compounds, Metal Complexes and Materials | 8,000          | 8,000                       |
| 2009-046-2-200                   | Jan Kaiser       | Terminology and definition of quantities related to the isotope distribution in elements with more than two stable isotopes | 1,500          | 6,000                       |
| 2010-003-1-200                   | Lars Öhrström    | Coordination polymers and metal organic frameworks: terminology and nomenclature guidelines (supplement to 2009-012-2-200)  | 2,000          | 8,500                       |
| 2009-026-2-200                   | Michael Berglund | Online evaluated isotope ratio database for user communities (2010-2014) (revised title)                                    | 6,000          | 6,000                       |
| 2011-027-1-200                   | Ronny Schoenberg | Evaluated Published Isotope Ratio Data (2011-2013)  | 6,695          | 19,400                      |
| <b>Total Commitments (DC II)</b> |                  |   | <u>49,495</u>  |                             |

**Project Commitments 2010-11**

| <b>Project Number</b>             | <b>Chairman</b>    | <b>Title</b>   | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|-----------------------------------|--------------------|--|----------------|-----------------------------|
| <b>Division III</b>               |                    |  |                |                             |
| 2009-021-3-300                    | Zizhang Zhang      | Genochemistry - chemistry designed for life sciences: Towards a guideline and a framework of genochemistry   | 5,000          | 5,000                       |
| 2010-001-1-300                    | P. Vazquez & co    | Green Chemistry - Sustainable Education and Environmental Development (SEED) in Latin America (Supplement to 2009-014-2-300)   | -              | 4,000                       |
| 2010-002-1-300                    | Stefano Raccanelli | Evaluation of measurement methods and QA/QC for PCDD/F, PCB and PAHs in environmental matrices (air quality, soil, sediments and wastes) used in estimation of global pollution (Supplement to 2009-007-2-300) | -              | 4,250                       |
| 2008-037-2-300                    | Axel Griesbeck     | Standard photochemical processes   | 5,000          | 10,000                      |
| 2011-006-2-300                    | Saverio Florio     | Strategic Planning for a new Network for Heterocyclic Chemistry among Countries of the Mediterranean Sea Area, including Europe and North Africa   | 10,000         | 10,000                      |
| 2011-041-1-300                    | Minoru Isobe       | Strategic Planning for a New East and Southeast Asian Network for Organic Chemistry  | 5,000          | 5,000                       |
| 2011-044-1-300                    | M. Brimble         | Rules for Abbreviation of Protecting Groups  | 15,000         | 15,000                      |
| <b>Total Commitments (DC III)</b> |                    |  | <u>40,000</u>  |                             |

**Project Commitments 2010-11**

| <b>Project Number</b> | <b>Chairman</b>     | <b>Title</b>  | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|-----------------------|---------------------|---|----------------|-----------------------------|
| <b>Division IV</b>    |                     |   |                |                             |
| 2009-019-2-400        | Greg Meira          | Data Treatment in SEC and Other Techniques of Polymer Characterization. Correction for Band Broadening and Other Sources of Error | 5,000          | 5,000                       |
| 2009-047-1-400        | Karl-Heinz Hellwich | Definitions and Notations Relating to Stereochemical Aspects in Polymer Science   | 3,000          | 6,000                       |
| 2009-050-1-400        | Graeme Moad         | Critically evaluated rate coefficients associated with initiation of radical polymerization                                       | 5,300          | 5,300                       |
| 2010-007-1-400        | Graeme Moad         | Terminology for Chain Polymerization  | 6,000          | 6,000                       |
| 2010-012-1-400        | Caludio DosSantos   | Development of a Multilingual Encyclopaedia of Polymer Terminology (supplement to 2007-008-1-400)                                 | 6,000          | 6,000                       |
| 2010-015-1-400        | Pavel Kratochvil    | Postgraduate Course in Polymer Science  | 5,000          | 5,000                       |
| 2010-019-1-400        | Clive Bucknall      | Structure, Processing and Performance of Ultra-High Molecular Weight Polyethylene   | 5,000          | 5,000                       |
| 2010-032-3-400        | Werner Mormann      | Guidelines of Multinational Calls for Research Cooperation and Funding Through National Funding Agencies                          | 2,000          | 9,000                       |
| 2010-029-3-400        | Masayuki Yamaguchi  | Relation between rheological properties and foam processability for polypropylene   | 3,000          | 3,000                       |
| 2010-027-2-400        | Denis Bertin        | Critically evaluated dissociation rate coefficients for alkoxyamines  | 1,000          | 1,000                       |
| 2010-036-1-400        | Przemyslaw Kubisa   | List of key-words for polymer science journals  | -              | 2,000                       |

**Project Commitments 2010-11**

| <b>Project Number</b>            | <b>Chairman</b>                 | <b>Title</b>   | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|----------------------------------|---------------------------------|--|----------------|-----------------------------|
| 2011-033-1-400                   | Taihyun Chang and<br>Bob Stepto | Definitions of Terms Relating to Individual<br>Macromolecules, Their Assemblies, and<br>Dilute Polymer Solutions (Chapter 3 of the<br>"Purple Book") [Extension of 2005-005-2-<br>400] | -              | 3,000                       |
| 2011-052-1-400                   | Pavel Kratochvil                | Postgraduate Course in Polymer Science   | -              | 5,000                       |
| 2011-013-2-400                   | Michael Hess                    | Updating Wikipedia: Synchronizing<br>Polymer Definitions and Terminology   | 1,000          | 5,360                       |
| <b>Total Commitments (DC IV)</b> |                                 |  | <u>42,300</u>  |                             |

**Project Commitments 2010-11**

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|-----------------------|--------------------|--|----------------|-----------------------------|
| <b>Division V</b>     |                    |  |                |                             |
| 2010-002-1-300        | Stefano Raccanelli | Evaluation of measurement methods and QA/QC for PCDD/F, PCB and PAHs in environmental matrices (air quality, soil, sediments and wastes) used in estimation of global pollution (Supplement to 2009-007-2-300) | 4,250          | 4,250                       |
| 2010-030-1-500        | Zhifang Chai       | Radioanalytical Chemistry - revision of the Orange Book CHAPTER 16   | 2,000          | 2,000                       |
| 2010-047-1-500        | Marian Goral       | Mutual Solubility of Phenols with Water (SDS)  | -              | -                           |
| 2010-050-1-500        |                    | 0 Mutual Solubility of aliphatic and non aliphatic amines with Water (SDS)   | -              | -                           |
| 2010-052-1-500        | José M. Pingarrón  | Electroanalytical Chemistry - Revision of the Orange Book CHAPTER 7  | 2,000          | 2,000                       |
| 2010-005-2-500        | Cezary Gumiński    | Rare Earth Metal (Sc, Y, Lanthanoids) Bromides and Iodides in Water and Aqueous Systems (SDS series)   | 2,000          | 2,000                       |
| 2009-010-3-500        | Paolo de Zorzi     | Requirements for proficiency testing on environmental sampling   | 5,000          | 6,000                       |
| 2010-054-1-500        | Ilya Kuselman      | Identification of metrologically-related out-of-specification test results in drug analysis (extension of 2008-030-1-500)  | 3,000          | 3,000                       |
| 2011-017-1-500        | Jitka Eysseltova   | Solubility of Potassium Sulfate in Water Series: Solubility Data Series  | 500            | 500                         |
| 2010-061-2-500        | Massoud Malek      | Using process mapping to support, control and improve (analytical) laboratory processes  | 7,000          | 7,000                       |
| 2011-043-1-500        | Marian Goral       | Solubility data in ternary systems containing water alcohol, and hydrocarbon (Solubility Data Series)  | 2,100          | 2,100                       |

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|---------------------------------|-------------------|--|----------------|-----------------------------|
| 2011-029-1-500                  | Zhifang Chai      | Orange Book - Prolongation of project on Chapter 16 (extension of 2010-030-1-500)                                | 2,000          | 2,000                       |
| 2011-046-1-500                  | Tatiana Maryutina | Orange Book revision. CHAPTER 4 – Separation   | 5,100          | 5,100                       |
| 2011-047-1-500                  | Jan Labuda        | Recent advances in bioanalytical chemistry: characterization and classification. Orange Book revision chapter 11 | 5,100          | 5,100                       |
| 2011-063-1-500                  | Zoltan Mester     | Sampling and sampling preparation Orange Book Chapter 2  | 5,000          | 5,000                       |
| <b>Total Commitments (DC V)</b> |                   |  | <u>45,050</u>  |                             |

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|-----------------------|--------------------|---|----------------|-----------------------------|
| <b>Division VI</b>    |                    |   |                |                             |
| 2010-020-1-600        | Ken Racke          | IUPAC International Award for Advances in Harmonized Approaches to Crop Protection Chemistry  | -              | 35,972                      |
| 2009-010-3-500        | Paolo de Zorzi     | Requirements for proficiency testing on environmental sampling  | 1,000          | 6,000                       |
| 2010-018-2-600        | Wenlin Chen        | Quantitative Review of Pesticide Environmental Fate Parameters and Their Relationship with Soil and Climate Conditions  | 5,000          | 5,000                       |
| 2010-056-1-600        | John Unsworth      | Global Framework for Implementing Consistent Ecological Risk Assessment of Pesticides for Sustainable Agriculture   | 5,000          | 5,000                       |
| 2010-028-3-600        | Fani Sakellariadou | Management of maritime pollutants in shipping and commercial ports based on relevant physical and biogeochemical environmental parameters                                     | 5,000          | 5,000                       |
| 2010-060-1-600        | Don Wauchope       | A Support Team for Enhancing, Maintaining and Ensuring the Future of the Pesticides Properties Database (PPDB)  | 5,000          | 5,000                       |
| 2011-019-1-600        | Baoshan Xing       | Engineered Nanoparticles and the Environment: Physicochemical Processes and Biototoxicity (IUPAC-Wiley Book Series on Biophysico-Chemical Processes in Environmental Systems) | 10,500         | 12,500                      |

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|----------------------------------|-----------------|--|----------------|-----------------------------|
| 2011-039-1-600                   | Yehuda Shevah   | Regional Drinking Water Quality Assessment in the Near East (Palestinian Authority, Jordan, and Israel) – An Overview and Perspective (extension 2008-003-3-600) | 5,000          | 5,000                       |
| 2011-023-2-600                   | Caroline Harris | Critical review of approaches to dietary risk assessment for pesticides  | 3,500          | 3,500                       |
| 2011-060-1-600                   | Heinz Ruedel    | Appropriate consideration of bioavailability of metals/metal compounds in the aquatic environment  | 4,850          | 4,850                       |
| 2011-061-1-600                   | Wenlin Chen     | Advancement in Product Development, Safety Evaluation and Risk-Based Regulation of Crop Protection Chemistry in the Asian Pacific region                         | 4,900          | 4,900                       |
| <b>Total Commitments (DC VI)</b> |                 |  | <u>49,750</u>  |                             |

**Project Commitments 2010-11**

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|-----------------------------------|-----------------------------|---|----------------|-----------------------------|
| <b>Division VII</b>               |                             |   |                |                             |
| 2010-035-3-700                    | Helle Møller<br>Johannessen | Establishing definitions for non-referenced terms in the NPU terminology  | 5,000          | 5,000                       |
| 2010-057-3-700                    | Yvonne C. Martin            | Update of Glossary of Terms used in Computational Drug Design   | 6,000          | 6,000                       |
| 2011-002-1-700                    | Georges Féraud              | Extension of Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences (IUPAC and IFCC Recommendations 1995) (revision of the "Silver Book") - Supplement 2007-033-3-700 | 6,000          | 6,000                       |
| 2010-051-1-700                    | Michael Schwenk             | Advances in immunochemistry and applications to human health  | 7,000          | 7,000                       |
| 2011-011-1-700                    | Janos Fisher                | Analogue-based Drug Discovery - Vol. III  | 7,500          | 7,500                       |
| 2011-018-1-700                    | Paul Erhardt                | Human Drug Metabolism Database (hDMdb)  | 3,000          | 3,000                       |
| 2011-064-1-700                    | Doug Templeton              | Glossary of terms used in immunotoxicology - supplement to 2007-053-1700  | 669            | 669                         |
| <b>Total Commitments (DC VII)</b> |                             |   | <u>35,169</u>  |                             |

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|------------------------------------|--|--|----------------|-----------------------------|
| <b>Division VIII</b>               |  |  |                |                             |
| 2009-018-2-800                     | Amélia Pilar Rauter                          | IUPAC Recommendations on Nomenclature of Flavonoids  | 8,700          | 17,400                      |
| 2009-041-1-800                     | Nicko Goncharoff                             | InChI Requirements for Representation of Markush Structures                                  | 4,000          | 8,000                       |
| 2009-042-1-800                     | Audrey Yerin                                 | InChI Requirements for Representation of Polymers  | 4,000          | 8,000                       |
| 2009-047-1-400                     | Karl-Heinz Hellwich                          | Definitions and Notations Relating to Stereochemical Aspects in Polymer Science              | 3,000          | 6,000                       |
| 2009-043-2-800                     | Guenter Grethe                               | Requirements for InChI-based Representation of Chemical Reactions                            | 5,000          | 10,000                      |
| 2009-040-2-800                     | Colin Batchelor                              | InChI Requirements for Representation of Organometallic and Coordination Compound Structures | 4,000          | 8,000                       |
| 2010-055-1-800                     | Richard M. Hartshorn and Karl-Heinz Hellwich | Basic Guidelines to the Nomenclature of Organic and Inorganic Chemistry                      | 5,000          | 5,000                       |
| 2009-022-2-800                     | Richard Cammack                              | Glossary of Small Molecules of Biological Interest   | 6,000          | 12,000                      |
| 2011-035-1-800                     | Richard G. Jones                             | Terminology and Nomenclature of Inorganic and Coordination Polymers                          | 3,000          | 9,000                       |
| <b>Total Commitments (DC VIII)</b> |  |  | <u>42,700</u>  |                             |

**Project Commitments 2010-11**

| <b>Project Number</b>           | <b>Chairman</b>                        | <b>Title</b>   | <b>Commit.</b> | <b>Total Commitment</b> |
|---------------------------------|--|--|----------------|-------------------------|
| <b>Standing Committees</b>      |  |  |                |                         |
| <b>CCE</b>                      |  |  |                |                         |
| 2009-037-3-050                  | M Sozbilir                             | Developing Toolkits for National Chemistry Weeks During IYC (revised title)                                | 3,300          | 3,300                   |
| 2009-055-1-050                  | Nenad Judas                            | Toward Higher Quality of Chemistry Teacher In-service Training in Croatia                                  | 2,500          | 5,000                   |
| 2010-011-1-050                  | Tony Wright and Javier Garcia Martinez | Global Chemistry Experiment for the International Year of Chemistry – Phase One – Design and Development   | 4,000          | 15,000                  |
| 2010-025-1-050                  | Temechegn Engida                       | Enhancing the capacity to provide quality chemistry education at secondary and tertiary levels in Ethiopia | 3,000          | 5,500                   |
| 2010-031-2-050                  | Christiane S. Reiners                  | Chemistry as a Cultural Enterprise   | 1,735          | 1,735                   |
| 2011-054-1-050                  | Cecilia Anaya Berrios                  | Flying Chemists Program in Mexico and Panama   | 5,465          | 5,465                   |
| <b>Total Commitments (CCE)</b>  |  |  | <u>20,000</u>  |                         |
| <b>COCI</b>                     |  |  |                |                         |
| 2011-004-2-022                  | Mark Cesa                              | IUPAC-UNESCO-UNIDO Safety Training Program Workshop, San Juan, Puerto Rico                                 | 8,500          | 14,100                  |
| 2011-020-1-022                  | Bernard West                           | Responsible Care Case Study #2 - A success and positive application of Responsible Care                    | 6,000          | 6,000                   |
| 2011-053-1-022                  | Bernard West                           | Chemical Industries & IUPAC 4  | -              | -                       |
| 2011-042-1-022                  | Trevor Letcher                         | Materials for a Sustainable Future   | 1,000          | 5,000                   |
| <b>Total Commitments (COCI)</b> |  |  | <u>15,500</u>  |                         |
| <b>EC</b>                       |  |  |                |                         |

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|-----------------------|-----------------|---|----------------|-----------------------------|
| 2009-044-3-020        | John Malin      | International Year of Chemistry -<br>Management Committee 2010 meetings<br>(Continued project 2008-021-1-020) | -              | 45,120                      |
| <b>CPEP</b>           |                 |   |                |                             |
| 2009-038-1-024        | Bedřich Košata  | Addition of PDF output to the electronic<br>version of the IUPAC Compendium of<br>Chemical Terminology        | -              | 5,000                       |

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|--------------------------|--|--|----------------|-----------------------------|
| <b>Project Committee</b> |  |  |                |                             |
| 2009-018-2-800           | Amélia Pilar Rauter                    | IUPAC Recommendations on Nomenclature of Flavonoids  | 8,700          | 17,400                      |
| 2009-038-1-024           | Bedřich Košata                         | Addition of PDF output to the electronic version of the IUPAC Compendium of Chemical Terminology   | 5,000          | 5,000                       |
| 2010-001-1-300           | P. Vazquez & co                        | Green Chemistry - Sustainable Education and Environmental Development (SEED) in Latin America (Supplement to 2009-014-2-300)   | 4,000          | 4,000                       |
| 2010-003-1-200           | Lars Öhrström                          | Coordination polymers and metal organic frameworks: terminology and nomenclature guidelines (supplement to 2009-012-2-200)   | 6,500          | 8,500                       |
| 2010-011-1-050           | Tony Wright and Javier Garcia Martinez | Global Chemistry Experiment for the International Year of Chemistry – Phase One – Design and Development   | -              | 15,000                      |
| 2009-055-1-050           | Nenad Judas                            | Toward Higher Quality of Chemistry Teacher In-service Training in Croatia  | 2,500          | 5,000                       |
| 2009-046-2-200           | Jan Kaiser                             | Terminology and definition of quantities related to the isotope distribution in elements with more than two stable isotopes  | 4,500          | 6,000                       |
| 2010-025-1-050           | Temechegn Engida                       | Enhancing the capacity to provide quality chemistry education at secondary and tertiary levels in Ethiopia   | 2,500          | 5,500                       |
| 2010-033-2-024           | Bonnie Wallace                         | JCAMPX-CD: Standardization of Data and Meta-data formats for Circular Dichroism and Synchrotron Radiation Circular Dichroism Spectroscopy, and interface with the Protein Circular Dichroism Data Bank | 3,800          | 9,800                       |

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| <b>Project Number</b>         | <b>Chairman</b>   | <b>Title</b>   | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|-------------------------------|-------------------|--|----------------|-----------------------------|
| 2009-043-2-800                | Guenter Grethe    | Requirements for InChI-based Representation of Chemical Reactions  | 5,000          | 10,000                      |
| 2009-040-2-800                | Colin Batchelor   | InChI Requirements for Representation of Organometallic and Coordination Compound Structures   | 4,000          | 8,000                       |
| 2010-032-3-400                | Werner Mormann    | Guidelines of Multinational Calls for Research Cooperation and Funding Through National Funding Agencies                               | 3,000          | 9,000                       |
| 2009-022-2-800                | Richard Cammack   | Glossary of Small Molecules of Biological Interest   | 6,000          | 12,000                      |
| 2011-004-2-022                | Mark Cesa         | IUPAC-UNESCO-UNIDO Safety Training Program Workshop, San Juan, Puerto Rico   | 5,600          | 14,100                      |
| 2011-036-1-020                | Leiv K. Sydnes    | Impact of Scientific Developments on the Chemical Weapons Convention   | 5,000          | 5,000                       |
| 2011-013-2-400                | Michael Hess      | Updating Wikipedia: Synchronizing Polymer Definitions and Terminology  | 4,360          | 5,360                       |
| 2011-022-2-100                | Jonathan Tennyson | Intensities and line shapes in high-resolution spectra of water isotopologues from experiment and theory (extension of 2004-035-1-100) | 15,000         | 22,000                      |
| 2011-027-1-200                | Ronny Schoenberg  | Evaluated Published Isotope Ratio Data (2011-2013)   | 12,705         | 19,400                      |
| 2011-042-1-022                | Trevor Letcher    | Materials for a Sustainable Future   | 3,000          | 5,000                       |
| <b>Total Commitments (PC)</b> |                   |  | <u>101,165</u> |                             |

**Project Commitments 2010-11**

| <b>Project Number</b>                    | <b>Chairman</b>      | <b>Title</b>   | <b>Commit.</b>       | <b>Total<br/>Commitment</b> |
|--|----------------------|--|----------------------|-----------------------------|
| <b>Financial Support for Conferences</b> |                      |  |                      |                             |
| 2010-037-1-FSC                           | Temechehn Engida     | FSC-SER-110221-Ethiopia > Chemistry Education in Ethiopia: Today and Tomorrow                                      | 4,450                | 4,450                       |
| 2010-038-1-FSC                           | Rameshwar Adhikari   | FSC-SER-110320-Nepal > POLYCHAR 19 - Forum on Advanced Materials   | 6,050                | 6,050                       |
| 2010-039-1-FSC                           | Francois Kajzar      | FSC-SER-110523-SouthAfrica > Conference on Frontiers of Polymers and Advanced Materials (11ICFPAM)                 | 6,000                | 6,000                       |
| 2010-040-1-FSC                           | Satinder (Sut) Ahuja | FSC-NDC-110730- Puerto Rico > Symposium on Sustainability of Wayter Quality at IUPAC World Chemistry Congress      | 4,000                | 4,000                       |
| 2010-041-1-FSC                           | Supawan Tantayanon   | FSC-SER-110905 - Bangkok > 14th Asian Chemical Congress (14ACC) 2011   | 6,000                | 6,000                       |
| 2010-042-1-FSC                           | Harald Pasch         | FSC-SER-110426 - Stellenbosch > 11th Annual UNESCO/IUPAC Workshop and Conference on Functional Polymeric Materials | 5,000                | 5,000                       |
| 2010-044-1-FSC                           | Slavica Ražić        | FSC-SER-110911- Belgrade > Euroanalysis 16   | 5,500                | 5,500                       |
| 2011-007-2-FSC                           | Nick Hadjiliadis     | FSC-SER-120416-Corfu > Eurasia 12, Corfu, Greece   | 4,500                | 4,500                       |
| 2011-016-1-FSC                           | N. A. Shakil         | FSC-SER-120215-India > Agrochemicals Protecting Crop, Health, and Natural Environment                              | 6,000                | 6,000                       |
| 2011-009-1-FSC                           | Vera Kovačević       | FSC-SER-120326-Croatia > Polychar 20, Dubrovnik, Croatia   | 7,000                | 7,000                       |
| 2011-010-1-FSC                           | S. Sotheeswaran      | FSC-SER-120620-Sri Lanka > International Conference on Chemical Sciences, Colombo, Sri Lanka                       | 6,500                | 6,500                       |
| <b>Total Commitments (FSC)</b>           |                      |  | <u><u>61,000</u></u> |                             |

**Project Commitments 2010-11**

| <b>Project Number</b> | <b>Chairman</b> | <b>Title</b> | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|-----------------------|-----------------|--------------|----------------|-----------------------------|
|-----------------------|-----------------|--------------|----------------|-----------------------------|

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**Project Commitments 2010-11**

| <b>Project Number</b>               | <b>Chairman</b>                              | <b>Title</b>   | <b>Commit.</b> | <b>Total<br/>Commitment</b> |
|-------------------------------------|--|--|----------------|-----------------------------|
| <hr/>                               |  |  |                |                             |
| <b>Strategic Opportunities Fund</b> |  |  |                |                             |
| 2009-044-3-020                      | John Malin                                   | International Year of Chemistry -<br>Management Committee 2010 meetings<br>(Continued project 2008-021-1-020)  | 45,120         | 45,120                      |
| 2010-011-1-050                      | Tony Wright and<br>Javier Garcia<br>Martinez | Global Chemistry Experiment for the<br>International Year of Chemistry – Phase<br>One – Design and Development | 11,000         | 15,000                      |
| 2010-032-3-400                      | Werner Mormann                               | Guidelines of Multinational Calls for<br>Research Cooperation and Funding<br>Through National Funding Agencies | 4,000          | 9,000                       |
| <b>Total Commitments (SOF)</b>      |  |  | <u>60,120</u>  |                             |
| <hr/>                               |  |  |                |                             |

**Project Commitments 2010-11**

| <b>Project Number</b>    | <b>Chairman</b>              | <b>Title</b>  | <b>Commit.</b> | <b>Total<br/>Commitment</b> | <b>External<br/>Agency</b>                         |
|--------------------------|------------------------------|---|----------------|-----------------------------|--|
| <b>External Funded</b>   |                              |   |                |                             |  |
| 2009-041-1-800           | Nicko Goncharoff             | InChI Requirements for Representation of Markush Structures   | 4,000          | 8,000                       | Inchi Trust  |
| 2009-042-1-800           | Audrey Yerin                 | InChI Requirements for Representation of Polymers   | 4,000          | 8,000                       | INCHI Trust  |
| 2010-020-1-600           | Ken Racke                    | IUPAC International Award for Advances in Harmonized Approaches to Crop Protection Chemistry  | 35,972         | 35,972                      | 6kDow+7.5k Dupont+7 Dupont + 10k Sumito+5472 Bayer |
| 2010-036-1-400           | Przemyslaw Kubisa            | List of key-words for polymer science journals  | 2,000          | 2,000                       | Samsung fund                                       |
| 2011-019-1-600           | Baoshan Xing                 | Engineered Nanoparticles and the Environment: Physicochemical Processes and Biototoxicity (IUPAC-Wiley Book Series on Biophysico-Chemical Processes in Environmental Systems) | 2,000          | 12,500                      | Wiley royalties                                    |
| 2011-033-1-400           | Taihyun Chang and Bob Stepto | Definitions of Terms Relating to Individual Macromolecules, Their Assemblies, and Dilute Polymer Solutions (Chapter 3 of the "Purple Book") [Extension of 2005-005-2-400]     | 3,000          | 3,000                       | Wiley fund   |
| 2011-035-1-800           | Richard G. Jones             | Terminology and Nomenclature of Inorganic and Coordination Polymers   | 6,000          | 9,000                       | 3k Div II + 3k Div IV Wiley Fund                   |
| 2011-052-1-400           | Pavel Kratochvil             | Postgraduate Course in Polymer Science  | 5,000          | 5,000                       | Div IV Samsung fund                                |
| 2011-042-1-022           | Trevor Letcher               | Materials for a Sustainable Future  | 1,000          | 5,000                       | Div VI   |
| <b>Total Commitments</b> |                              |   | <u>62,972</u>  |                             |  |

**Project Commitments 2010-11**

| <b>Project Number</b> | <b>Chairman</b> | <b>Title</b>                                       | <b>Commit.</b> | <b>Total<br/>Commitment</b> |                     |
|-----------------------|-----------------|--|----------------|-----------------------------|---------------------|
| <b>Summary</b>        |                 |  | <b>Commit.</b> | <b>Budget*</b>              | <b>Over (Under)</b> |
|                       |                 | Division and STC Projects Totals                   | 392,964        | 393,000                     | (36)                |
|                       |                 | Strategic Opportunities Fund                       | 60,120         | 214,462                     | (154,342)           |
|                       |                 | Project Committee                                  | 101,165        | 110,000                     | (8,835)             |
|                       |                 | FSC  | 61,000         | 65,000                      | (4,000)             |
|                       |                 |  | <u>615,249</u> | <u>782,462</u>              | (167,213)           |
|                       |                 | External Funded                                    | 62,972         |                             |                     |
|                       |                 | <b>Total Project Commitments<br/>(all sources)</b> | <u>678,221</u> |                             |                     |

\* The Division Project Budget is nominally set at 70 % of the total Division Budget.