

List of Projects Co-ordinated by ACD, WPHQA, SSED or with their participation: Status 2008-03-01

Project number	Project Title	Task Chairperson	Group	Initial Funds USD	Progress reports	Remarks
ANALYTICAL CHEMISTRY DIVISION						
1999-050-1-500	Chemical speciation of environmentally significant heavy metals and inorganic ligands	S. Sjoberg		9000	YES	Pb to be completed in May 2008. Cd and Zn will be completed in two years
2001-041-2-500	Recommendation on the use of counter current chromatography in analytical chemistry	Boris Ya. Spivakov		3200	YES	Revised manuscript will be submitted in April 2008 Revision to be reviewed by RL and Roger Smith
2001-063-1-500	Revision of terminology of separation science	Roger M. Smith		5000	YES	Little progress is made. Completion date December 2008
2001-072-1-500	Low activation materials for fusion technology: State and prospects	V. Kolotov		0		3 months to report. Consult with NAO rep Tatania Maryutina.
2002-002-2-500	Recent advances in electroanalytical techniques: characterization, classification and terminology	Włodzimierz Kutner		5000		3 months to report. RL to write to task group chair.
2002-003-2-500	Performance evaluation criteria for preparation and measurement of macro and microfabricated ion-selective electrodes	Yoshio Umezawa		3000	n/a	Completed January 2008

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2002-009-2-500	Optical spectrochemical analysis using waveguides and optical fibers; Series on Nomenclature, Symbols, and Units in Spectrochemical Analysis	G.G. Gauglitz		-	n/a	Terminate with agreement with task group Chair
2002-058-1-500	Definitions and fields of application of the terms robust and rugged and the characteristics or qualities of robustness and ruggedness in analytical chemistry	Duncan Burns	Thorburn	3500		Contact Kip Powell before termination
2003-015-2-500	Terminology, quantities and units concerning production and applications of radionuclides in radiopharmaceutical and radioanalytical chemistry	Mauro L. Bonardi		21000	YES	Extension required to 2009 Possible link to proposed Task Group (AF)
2003-056-2-500 Interdivisional project	Standard definitions of terms relating to mass spectrometry	Kermit K. Murray		7100	n/a	Technical Report submitted
2004-005-2-500 Interdivisional project	Comparable pH measurements by metrological traceability	M. F. Camoes		8300	YES	Completion date January 2009
2004-017-1-500	Standardization of analytical approaches and	Walter R. Benson		10000	YES	With Division VI

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Interdivisional project	analytical capacity-building in Africa					Budget exceeded
2005-014-1-500	IUPAC stability constants database - completion of data collection up to 2006	K.J. Powell		14800	YES	Completion data March 2009
2005-017-1-500	Glossary of terms related to solubility - updates and revisions to the Orange Book	David Shaw		2800	YES	Completed March 2007. Proofs to PAC returned
2005-035-2-500	Trace elements analysis: role of grain size distribution in solid reference materials	Maria Belli		6000		Draft article prepared. Workshop arranged. Completion date end 2009
2005-041-2-500	Determination of selenomethionine in selenized yeast supplements	Zoltan Mester		5200	YES	No IUPAC funds used so far. Completion data September 2008
2006-010-1-500	Adjustment, estimation and uses of equilibrium reaction constants in aqueous solution	Igor V. Sukhno		2500	YES	Completion date July 2008
2006-022-1-500	Spectrochemical Analysis - Conversion of Orange Book Chapter 10 to Glossary Format	David S. Moore		4000	YES	New task group members needed
2006-026-1-500	Electrochemical DNA-based biosensors: terms and methodology	Jan Labuda		4200	YES	Completion date July 2009
2006-037-1-500	Metal-focussed -omics: guidelines for terminology and critical evaluation of	Ryszard Lobinski		4500	YES	Completion date 2009

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	analytical approaches					
2007-010-2-500	International harmonization protocol for standard preparation, irradiation and measurement for assuring metrologically traceable results in neutron activation analysis	Peter Bode		4500 / 6500	YES	Completion date December 2009
2007-013-1-500	The adjustment, estimation and uses of equilibrium reaction constants in aqueous solution – supplement 2006-010-1-500	Igor V. Sukhno		1000		Continue
2007-041-1-500	Mechanistic aspects of chemical vapour generation of volatile hydrides for trace element determination	Alessandro D’Ulivo		700 / 5000		Continue
INTERDIVISIONAL WORKING PARTY ON HARMONIZATION OF QUALITY ASSURANCE						
2001-010-3-500	Metrological traceability of measurement results in chemistry	P. De Bièvre		15000	YES	Submission to PAC in June 2008; see extension 2007-060-1-500
2005-019-2-500	Selection and use of proficiency testing schemes for limited number of participants	A. Fajgelj		4000	YES	Completion date 2008
2005-024-2-600 Interdivisional project	Establishment of guidelines for the validation of qualitative and semi-quantitative (screening) methods by collaborative trial: a harmonized protocol	Christoph von Holst		4000		Continue. Note new chair.
2007-060-1-500	Metrological traceability of measurement results in chemistry: concepts and	Paul De Bievre		3800		Submission to PAC in June 2008

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	implementation. Supplement to 2001-010-3-500					Continue

SUBCOMMITTEE ON SOLUBILITY AND EQUILIBRIUM DATA					
2002-025-1-500	Solubility data of compounds relevant to mobility of metals in the environment. Inorganic actinide compounds	J. Hala	0		Completed and published J. Phys. Chem. Ref. Data, 2007, 36, 1417 – 1736
2002-031-1-500	Solubility data of compounds relevant to mobility of metals in the environment. Alkaline earth metal carbonates	J. Vanderdeelen and A. De Visscher Koenigsberger	1500		
2002-032-1-500	Solubility data of compounds relevant to mobility of metals in the environment. Metal carbonates	H. Gamsjäger	1750	YES	Completion date 1 July 2009
2002-035-1-500	Solubility data of compounds relevant to human health. Solubility of substances related to urolithiasis	E. Königsberger and L.-C. Königsberger	0		
2002-036-1-500	Solubility data of compounds relevant to human health. Solubility of hydroxybenzoic acids and hydroxybenzoates	A. Goto and H. Miyamoto	0		
2002-037-1-500	Solubility data of compounds relevant to human health. Solubility of halogenated aromatic hydrocarbons	A. Goto	0	YES	
2002-043-1-500	Solubility data related to industrial processes. Carbon dioxide and the lower alkanes	A.E. Mather	0		Project terminated

	at pressures above 2 bar: methane to butane				
2002-044-1-500	Solubility data related to industrial processes. Carbon dioxide in aqueous non-electrolyte solutions	P. Scharlin	1500	YES	No progress since July 2007
2002-045-1-500	Solubility data related to industrial processes. Solids and liquids in supercritical carbon dioxide	D.E. Knox	0	YES	Completion date 31 December 2009
2002-050-1-500	Solubility data related to industrial processes. Acetonitrile: ternary and other multicomponent systems	Valerii Sazonov	1000	n/a	Project completed
2005-006-1-500	Mutual solubility of alcohols and water (update of SDS Vol 15)	Andrzej Maczynski	1000	YES	Project completed. Five publications
2005-033-1-500	Transition and 12 to 14 main group metals, lanthanide, actinide and ammonium halates	Hiroshi Miyamoto	0	n/a	Completed Publication accepted
2006-032-1-500	Solubility data related to industrial processes. Mutual solubility of ethers and ketones with water	Marian Goral	0	YES	Project completed. Six publications
2006-033-1-500	Solubility data related to industrial processes. Rare earth metal chlorides (Sc, Y,	Cezary Guminski	0	YES	Completion date 1 July 2008

	lanthanoids) in water and aqueous systems				
2006-034-1-500	Solubility data related to industrial processes. The solubility of oxygen in all solvents	H. Lawrence Clever	0		
2007-042-1-500	Solubility data of compounds relevant to human health. Solubility of hydroxybenzoic acids and hydroxybenzoates – extension 2002-036-1-500	Ayako Goto and Hiroshi Miyamoto	1000		
2007-043-1-500	Solubility data of compounds relevant to human health. Solubility of halogenated aromatic hydrocarbons – extension 2002-037-1-500	Masakazu Makino and Ayako Goto	600		
2007-044-1-500	Solubility data related to industrial processes. Solubility in systems with lithium and/or sodium nitrates	J.Eysseltova	1000	YES	May take longer than originally expected Completion date end of 2009
2007-045-1-500	Solubility of higher alkynes in liquids	P.G.T.Fogg	0	YES	Completion date end of 2008
2007-047-1-500	Solubility data related to industrial processes. Nitriles C+3: binary and multicomponent systems	Valerii Sazonov	0	YES	Completion date December 2008

OTHER INTERDIVISIONAL PROJECT					
2003-011-3-600	A critical compendium of pesticide physical chemistry data	R. Don Wauchope and David G. Shaw	15000		With Division VI
2003-060-2-400	Terminology on separation of macromolecules	Taihyun Chang	6000		With Division IV
2004-021-1-300	Reference methods, standards and applications of photoluminescence	Enrique San Roman and Fred Brouwer	14000	YES	With Divisions I and III. Completion date September 2008
2004-023-1-700	Internationally agreed terminology for observations in scientific communication	Françoise Pontet	5000	YES	With Division VII. More money needed. Completion date December 2010
2005-016-1-100	Developments and applications in solubility	Trevor Letcher			With Division I Project completed
2005-042-1-300	Chemistry for Biology - an inventory for interdivisional and interdisciplinary activities within IUPAC in the field of biological chemistry	Torbjörn Norin	3000	YES	Coordinated by Divisions III and 1, involving all Divisions and COCI. Will terminate 2008-06-3. USD 1750 will not be used
2005-048-2-100	Solubility and thermodynamic properties related to environmental issues	Trevor Letcher			With Divisions I and III Project completed
2006-016-1-200	Recommendations for isotope	Paul Renne	4900		With Division II

	data in geosciences				
2006-039-2-600	Extraction and fractionation methods for exposure assessment related to trace metals, metalloids and hazardous organic compounds in terrestrial environments	Petr S. Fedotov	6000		With Division VI