



Report of the Topic Development Workshop, Brussels, 11/12 September 1997

(kindly hosted by Solvay)

To all members of NICOLE

Subject Date

NICOLE projects 16 October 1997

Dear colleague,

At the Topic Development Workshop that was held in Brussels on 11-12 September a total of 26 preliminary proposals were presented for discussion. I enclose a list of the proposal titles and their proposers.

Eleven of the proposals attracted the support of participants in the workshop and during the meeting consortia of organisations which were willing to contribute began to form. In the light of the discussions that took place, the proposers agreed to modify and/or develop their ideas and begin to undertake their proposed work. Enclosed I circulate copies of the revised proposals and plans received so far (8 out of the 11 proposals). If you wish to receive one or more of the other revised proposals, please contact the project leader mentioned in the enclosed list of 'supported projects'; the names of organisations which wish to participate in the project are mentioned on it as well.

This letter offers the opportunity for NICOLE members not present at Brussels to identify proposals in which they have an interest and would like to be considered for participation. If this is the case could you contact the topic leaders to discuss the possibilities of your participation? I urge you to make contacts sooner rather than late, however, as the topics are being developed and finalised as proposals and will soon be moving into execution phases!

Regarding the preliminary proposals which didn't succeed in attracting a critical mass of support at the meeting, there remains the possibility that you would have an interest in learning a little more about the proposal. If this is the case I urge you to make contact with the proposer to obtain a copy of their preliminary proposal.

Yours sincerely,

Dr Dale A. Laidler

NICOLE Coordinator

NICOLE'S PROJECTS, AUTUMN 1997

Theme I: BIOAVAILABILITY Project leader/Supporting organisations			
1	The Bioavailability of Lead, Mercury and Petroleum Residuals in Contaminated Soils and Sediments	<p>B.J. Alloway University of Reading, Dept. Of Soil Science PO Box 233, Reading RG6 6DW, UK phone: +44 118 931 8911 fax: +44 118 931 6666 email: b.j.alloway@reading.ac.uk</p>	<p>Solvay Environment Agency UK ICI Enichem Tauw IUL IRH CNRSSP</p>
Theme II: FATE AND TRANSPORT			
2	Exposure Assessment Tools for use in Risk Based Decision Making at Contaminated Sites	<p>Mrs D. Edwards Exxon Biomedical Sciences Mettlers Road, CN 2350 East Millstone, NJ 08875-2350, USA phone: +1 908 873 6300 fax: +1 908 873 6009 email: deborah.edwards@ere.exxon.sprint.com</p>	<p>Shell Neste</p>
Theme III: LOW-COST, RAPID, ON-SITE MEASUREMENTS			
3	Rapid Site Assessment for Petroleum Contaminated Sites	<p>W.R. Hafker Esso Eng. Europe Ltd. Esso House, Ermyn Way Leatherhead Surrey KT18 7ET, UK phone: +44 1372 222794 fax: +44 1372 222532 email: william.r.hafker@exxon.sprint.com</p>	<p>Dow Environment Agency UK Enichem Akzo Shell Port of Rotterdam Tauw</p>

4	Good Survey Practice	J.P. Okx TAUW Milieu BV PO Box 133, 7400 AC Deventer The Netherlands phone: +31 570 699429, fax: +31 570 699666 email: jpo@tauw.nl	Akzo Solvay Port of Rotterdam Welsh Development Agency ICI
Theme IV: NATURAL ATTENUATION			
5	Natural Attenuation: Guidelines for Acceptance	Mrs A.J.C. Sinke TNO-MEP PO Box 342, 7300 AH Apeldoorn The Netherlands phone: +31 55 5493116 fax: +31 55 5493252 email: sinke@mep.tno.nl	Neste Ford Solvay BP Port of Rotterdam Akzo ICI Rhône Poulenc
Theme V: REMEDIATION			
6	Phytoremediation of Petroleum Hydrocarbons; Phase II Field Demonstration	W.R. Hafker Esso Eng. Europe Ltd. Esso House, Ermyn Way Leatherhead Surrey KT18 7ET, UK phone: +44 1372 222794 fax: +44 1372 222532 email: william.r.hafker@exxon.sprint.com	IUL Liebefeld Jordforsk
7	Beneficial Applications	D.N. Edwards VHE Holdings plc Shafton, Barnsley S72 8SP, UK phone: +44 1226 715888 fax: +44 1226 717080 email: for-vhe@r3-bardos.demon.co.uk	TNO BG Welsh Development Agency Solvay
8	Demonstration Sites for Novel Cleanup Technologies	M. Jauzein IRH Environnement 11 bis rue Gabriel Péri, Vandoeuvre 54500 France phone: +33 383 503651, fax: +33 383 503699 email: mjauzein@irh.fr	VEGAS Welsh Development Agency

Theme VI: RISK MANAGEMENT

9	A Risk Management Framework for Contaminated Land	K. Potter ICI Technology PO Box 8, The Heath, Runcorn Cheshire WA7 4QD, UK phone: +44 1928 515609 fax: +44 1928 515660 email: kelvin_potter@ici.com	Shell Esso ICI BP Port of Rotterdam CARACAS/TBC
10	Risk Communication	Mrs A.J.C. Sinke TNO-MEP PO Box 342, 7300 AH Apeldoorn The Netherlands phone: +31 55 5493116 fax: +31 55 5493252 email: sinke@mep.tno.nl	ICI Shell Exxon
11	Model for Comparising/Optimising Remediation Technologies	Dr J Okx TAUW Milieu BV PO Box 133, 7400 AC Deventer The Netherlands phone: +31 570 699429 fax: +31 570 699666 email: jpo@tauw.nl	BNFL Akzo Delft Geotechnics Ford ICI Port of Rotterdam Solvay Shell TNO Welsh Development Agency HBG Heidemij NOBIS/TNO Enichem BG VEGAS

Preliminary project proposals within NICOLE used to develop the firm topics above

Theme I: BIOAVAILABILITY Project leader

1	Quantative Assessment of the Bioavailability of Petroleum Mixtures in Environmental Samples	W.R. Hafker Esso Eng. Europe Ltd. Esso House, Ermyn Way Leatherhead Surrey KT18 7ET, UK phone: +44 1372 222794, fax: +44 1372 222532 email: william.r.hafker@exxon.sprint.com
2	Oral and Dermal Bioavailability of Metals and Polyaromatic Hydrocarbons (PaHs) from Contaminated Soils	W.R. Hafker - see 1 -
3 *	The Bioavailability of Lead, Mercury and Petroleum Residuals in Contaminated Soils and Sediments	B.J. Alloway University of Reading, Dept. Of Soil Science PO Box 233, Reading RG6 6DW, UK phone: +44 118 931 8911 fax: +44 118 931 6666 email: b.j.alloway@reading.ac.uk
4	Application of Biosensors in Field Sites: Research Needs and In-Situ Testing	J.P. Okx TAUW Milieu BV PO Box 133, 7400 AC Deventer The Netherlands phone: +31 570 699429, fax: +31 570 699666 email: jpo@tauw.nl
5	Bioavailability of Soil Contaminants and Development of a Screening System to Determine Available Concentrations of Xenobiotics in Soil	T. Madsen VKI Agern Allé 11, DK-2970 Horsholm, Denmark phone: +45 45 169200, fax: +45 45 169292 email: tma@vki.dk
6	Development of More Relevant Toxicological and Ecotoxicological Data	M. Jauzein IRH Environnement 11 bis rue Gabriel Péri, Vandoeuvre 54500 France phone: +33 383 503651, fax: +33 383 503699 email: mjauzein@irh.fr

Theme II: FATE AND TRANSPORT

7 *	Exposure Assessment Tools for use in Risk Based Decision Making at Contaminated Sites	Mrs D. Edwards Exxon Biomedical Sciences Mettlers Road, CN 2350 East Millstone, NJ 08875-2350, USA phone: +1 908 873 6300, fax: +1 908 873 6009 email: deborah.edwards@ere.exxon.sprint.com
8	Hydraulic Heterogeneity and Transport of Contaminants	R. Hetterschijt NITG-TNO PO Box 6012, 2600 JA Delft The Netherlands phone: +31 15 2696257 fax: +31 15 2564800 email: r.hetterschijt@nitg.tno.nl

9	Hydrochemical Environments and Fate and Transport of Contaminants	R. Hetterschijt - details: see 8 -
10	Data Collection Concerning Exposure Assessment	M. Jauzein - details: see 6 -
Theme III: LOW-COST, RAPID, ON-SITE MEASUREMENTS		
11 *	Rapid Site Assessment for Petroleum Contaminated Sites	W.R. Hafker - details: see 1 -
12 *	Good Survey Practice	J.P. Okx - details: see 4 -
Theme IV: NATURAL ATTENUATION		
13 *	Natural Attenuation: Guidelines for Acceptance	Mrs A.J.C. Sinke TNO-MEP PO Box 342, 7300 AH Apeldoorn The Netherlands phone: +31 55 5493116, fax: +31 55 5493252 email: sinke@mep.tno.nl
14	Innovative methods to Quanity NA of Chlorinated Solvents	Mrs A.J.C. Sinke - details: see 13 -
15	Natural Attenuation of Source Contaminants from the Perspective of Historical and Archaeological Sites	S.L. Smith Welsh Development Agency QED Centre, Treforest Estate, Pontypridd Wales CF37 5YR, UK phone: +44 1443 845507, fax +44 1443 845588 email: steve.l.smith@wda.co.uk
Theme V: REMEDIATION		
16 *	Phytoremediation of Petroleum Hydrocarbons; Phase II Field Demonstration	W.R. Hafker - details: see 1 -
17	Evaluation and Treatment of Residuals	P. Bardos R3 Environmental Techn. Ltd. PO Box 58, Ware SG12 9EZ, UK phone: +44 1920 484571, fax: +44 1920 485607 email: p-bardos@r3-bardos.demon.co.uk
18	Improvement of Phyto-Extraction by Targeted Altering of Heavy Metals' Solubility Behaviour in Soil	S.K. Gupta IUL Liebefeld Schwarzenburgstrasse 155, CH-3003 Bern Switzerland phone: +41 31 323 8319, fax:+41 31 3238415 email: satish-kumar.gupta@iul.admin.ch
19 *	Demonstration Sites for Novel Cleanup Technologies	M. Jauzein - details: see 6 -

20	Molecular Probes for the Detection and Enumeration of Degrading Bacteria for Monitoring of In-Situ Bioremediation	R.M. Kalin Questor Centre The Queen's University of Belfast Belfast BT7 1NN, Northern-Ireland, UK phone: +44 1232 335577, fax: +44 1232 661462 email: r.kalin@qub.ac.uk
21	Application of Stable Isotope Techniques for Monitoring of In-Situ Bioremediation in Soils and Biowalls	R.M. Kalin - details: see 20 -

22	Surfactants for Enhanced Hydrologic Transport to Foster In-Situ Bioremediation	L. Weatherley Questor Centre The Queen's University of Belfast Belfast BT7 1NN, Northern-Ireland, UK phone: +44 1232 335577 fax: +44 1232 661462
23	Laboratory Study of In-Situ Bioremediation and Biowall/Reactive Barrier Technology	R.M. Kalin - details: see 20 -

Theme VI: RISK MANAGEMENT

24	Comparison of Remedial Technologies	Mrs L. Schelwald Port of Rotterdam c/o Kroonkruid 141 2914 TK Nieuwerkerk a/d IJssel The Netherlands phone/fax: +31 180 315654 email: schelvdk@box.nl
25 *	A Risk Management Framework for Contaminated Land	M.J. Bell ICI Chemicals & Polymers Safety & Environment Dept. PO Box 13, The Heath, Runcorn Cheshire WA6 4QF, UK phone: +44 1928 517875 fax: +44 1928 581204 email: martin_bell@ici.com
26	Coping with Uncertainties in Risk Assessment Models and in Developing Risk Management Strategies	H. Leenaers TNO-MEP PO Box 342, 7300 AH Apeldoorn The Netherlands phone: +31 55 5493573, fax: +31 55 5493252 email: h.leenaers@mep.tno.nl