

13 HCH INTERNATIONAL HCH & PESTICIDES FORUM PROGRAMME

3th to 6th NOVEMBER 2015. ZARAGOZA, SPAIN

ORGANIZING



SPONSORING




AUDITORIUM

TUESDAY, 03 NOVEMBER 2015

09.30 10.00	<p>Welcome, opening ceremony Aragon and Spanish authorities 10 minutes welcome speech Act 1 - Consejero de Desarrollo Rural y Sostenibilidad de Gobierno de Aragón, Mr. Joaquin Olona Act 2 – Representative of the Ministerio de Agricultura, Alimentación y Medio Ambiente de España, to be confirmed Act 3 – IHPA Managing Director, John Vijgen</p> <p><i>Institutional group photo with the participants of the political blocks</i></p>
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10.00 11.00	<p>Political Block - High Level Session Act 1 – Directora General de Sostenibilidad, Gobierno de Aragón, Ms. Sandra Ortega Bravo Act 2 – Director General de Ordenación del Territorio, Mr. Joaquin Palacín Eltoro Act 3 – Alcalde de Sabiñánigo, Mr. Jesus Lasierra Así Act 4 – Representative of the Ministerio de Agricultura, Alimentación y Medio Ambiente de España, to be confirmed Act 5 – Comisario de Agua de la Confederación Hidrográfica del Ebro, Antonio Coch Flotats Act 6 – MEP of the Greens and European free Alliance in the European Parliament, Jordi Sebastià</p>
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11.00 12.00	<p>Political Block - High Level Session with moderated debates Act 1 – National politicians (EECCA Countries)</p> <ol style="list-style-type: none"> 1. Deputy Minister of Natural Resources and Environmental Protection Belarus, Mr. Kachanovsky 2. Deputy Minister of Environment of the Republic of Moldova, Mr. Andrian Delinschi 3. Ministry of Agriculture and Melioration of the Kyrgyz Republic, presented by the Director of the Department of Chemicalization and Plant Protection Mr. Zhanybek Derbishaliev 4. Committee of Environmental Protection for Tajikistan, Head of POPs office of Stockholm Convention on Persistent Organic Pollutants (POPs), Mr. Abdusalim Juraev 5. Director of the Department of green technology, Ministry of Energy of the Republic of Kazakhstan, Mr. Kerey Bekbergen 6. Vietnam Environment Administration, Ministry of Natural Resources and Environment, Project Manager Vietnam POPs project Mr. Hoang Thanh Vinh 7. MEP of the Greens and European free Alliance in the European Parliament, Mr Jordi Sebastià 8. Project Coordinator of FAO-EU Partnership Project “Improving capacities to eliminate and prevent recurrence of obsolete pesticides as a model for tackling unused hazardous chemicals in the former Soviet Union”, Mr. Richard Thompson 9. Senior Environmental Specialist, Chemicals & Waste - GEF Program Unit, Ms Lulwa Ali <p>Act 2 – EU politicians Video from Members of European Parliament Jeroen Lenaers, Group of the European People's Party (Christian Democrats) and Margrete Auken, Group of the Greens/European Free Alliance</p>
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12.00 12.30	<p>COFFEE BREAK SPONSORED BY </p>
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AUDITORIUM		ROOM 1	ROOM 2		
12.30 14.30	<p>Block 2-FAO: Road Map to Establishing Environmental Sound Management of POPs Pesticides and other Hazardous Waste in the EECCA region Chairs: Richard Thompson, Bram de Borst, John Vijgen</p>	12.30 14.30	<p>Block 14-Air monitoring (SETAC) Chairs: Tomas Ocelka and Gulchohra Aliyeva</p>	12.30 14.30	<p>Block 12-Education & Awareness Interactive Group Session Chairs: Sandra Molenkamp and Wouter Pronk Milieukontakt International</p> <p>No presentations but group work!</p>
12:30 12:35	<ol style="list-style-type: none"> 1. Richard Thompson: Importance of the Road Map Study, Project coordinator FAO 	12:30 12:50	<ol style="list-style-type: none"> 1. E Vera T., Muñoz A., Ródenas M., Borrás E., Gómez T.: Euphore chambers as a tool for studying fate of pesticides in the atmosphere, Fundación CEAM, Valencia Spain 		

12:35 13:05	2. Bram de Borst and John Vijgen: Explanation of Road Map Study and Results, IHPA	12:50 13:10	2. Sanz, P., de la Torre, A., Navarro, I., Martínez, M.A.,: Spanish air monitoring of persistent organic pollutants under the Stockholm Convention, Group of Persistent Organic Pollutants, CIEMAT, Madrid, Spain		
13:05 13:15	3. Khosghadam Alesgarova: Brief summary and recommendations for Azerbaijan; State Service for Phytosanitary Control of Ministry of Agriculture, Baku, Azerbaijan	13:10 13:30	3. Evaluation and management of the atmospheric impact caused by particulate during the process of moving the old Bañin (Sabinanigo) landfill; Mantilla E. ¹ , Fernández J.2, Palau J.L. ¹ , Arjol M.A.3, Pastor F. ¹ , Diéguez J.J. ¹ and Valiente J.A. ¹ , ¹ Fundación centro de Estudios Ambientales del Mediterráneo (CEAM), Spain; ² Dirección General de Sostenibilidad, Dpto. de Desarrollo Rural y Sostenibilidad, Gobierno de Aragón, Spain; ³ Sociedad Aragonesa de Gestión Agroambiental (SARGA), Spain		
13:15 13:25	4. Yuri Soloviev: Brief summary and recommendations for Belarus; Ministry of Natural Resources and Environment Protection of the Republic of Belarus				
13:25 13:35	5. Kazken Orazalina: Brief Summary and recommendation for Kazakhstan;				
13:35 13:45	6. Vladimir Pak: Summary and recommendations for Kyrgyz Republic, Ministry of Agriculture and Melioration	13:30 13:50	4. Kurková R1., Ocelka T2., Kovanic.P3., Kodeš V4.: Monitoring of POPs in Czech Rivers by passive samplers. 1E&H Services, Inc., 2 Institute of Information Theory and Automation of Czech Academy of Sciences, Prague, 3 Czech Hydrometeorological Institute (CHMI), Prague, 4 ICPF Academy of Science, Prague,		
13:45 13:55	7. Valentin Plesca: Brief summary and recommendations for Moldova ; POPs Sustainable Management PMT, Ministry of Environment				
13:50 14:00	8. Abdusalim Juraev: Summary and recommendations for Tajikistan; POPS Office of Committee of Environmental Protection for Tajikistan	13:50 14:10	5. Modification of passive samplers for narrow drill-holes; Ocelka T., Kurková R., Holeček P., Lojkásek M.		
13:50 14:00	9. Bram de Borst: wrap up and steps forward; IHPA	14:10 14:30	6. G. Aliyeva, C.A. Sinnott-Clark, O. Audy, L. Škrdlíková, P. Kukučka, J. Klánová, C. Halsall: A contemporary assessment of polybrominated diphenyl ether (PBDE) in the ambient air and soil of Azerbaijan		
14:00 14:30	10. Discussion				
14.30- 16.00	 LUNCH SPONSORED BY				
16.00 19.00	Block 9-Environmental responsibility <i>Chair: Prof. Ludwig Krämer</i>	16.00 19.00	Block 8-Special country session on Tajikistan: status, problems, action plans, know how and technology needs <i>Chairs: Abdusalim Juraev & Wouter Pronk & Maurice</i>	16.00 19.00	Block 4-Toxicology HCH and POP Pesticides in Spain and South America (1st part) <i>Chairs: Margret Schlumpf & Walter Lichtensteiger</i>

16:00 16:40	1. Prof. Thierry Bourgoignie: Liability for product related safety hazards in the context of environmental contamination, GREDICC, Montréal-Bruxelles	16:00 16:30	Jutz 1. Abdusolim Juraev: Introduction -History - actual developments and priorities of obsolete pesticides management in Tajikistan, POPs Centre Dushanbe of Committee for Environmental Protection under the Government of the Republic of Tajikistan 2. Abdusolim Juraev / Timur Junusov, the Tajik national implementation plan on POPs and its update; POP's centre Dushanbe, Tajikistan 3. Wouter Pronk and Maurice Jutz: Forgotten obsolete pesticides burial sites in Tajikistan How to avoid land degradation and secure the food production in a densely populated mountainous country, Milieukontakt Int., Amsterdam and, University of applied sciences, Basel 4. Zarema Amirova: Recommendations for future risk assessments and action plans for the final disposal of obsolete pesticides in Tajikistan, Environmental Research & Protection Centre, Ufa, Russia 5. Final discussion: the strategic way forward to tackle the complete remediation of the Tajikistan obsolete pesticides dump sites, including the Vaksh, Kumsangir and Kanibadam polygons	16:00 16:30	1. Dolores Romano Mozo ¹ , Maestro J. ² , Clarimón L. ³ , Ferrer Ch. ⁴ , Polanco M. ⁵ : Health and environmental risks of the lindane waste dumping in Sabiñánigo (Spain); ¹ Ecologistas en Acción, ² ANSAR, ³ Comisiones Obreras de Aragón, ⁴ Ecologistas en Acción Huesca, ⁵ Ecologistas en Acción Sabiñánigo	
16:40 17:20	2. Dr. Judit Pump, Budapest: Lindane, the Hungarian case adjusted. Faculty of Law PPKE, 28-30. Szentkirályi u., Budapest, Hungary	16:30 17:00		2. Mariana Fatima Fernandez Cabrera ¹ , Pérez-Lobato R.: Persistent organic pollutants and reproductive failures in Spain; 1 Unidad de Gestión Clínica Integral de Oncología de Granada. Hospitales Universitarios San Cecilio y Virgen de las Nieves, Granada, Spain; 2 Instituto de Investigación Biosanitaria de Granada (ibs.GRANADA), Spain; 3 CIBER en Epidemiología y Salud Pública (CIBERESP), Spain.	16:30 17:00	2. Juan Pedro Arrebola Morena: Human exposure to persistent organic pollutants and chronic diseases: an old problem for current generations. Focus on metabolic syndrome; Unidad de Gestión Clínica de Oncología. Hospitales Universitarios San Cecilio y Virgen de las Nieves de Granada
17:20 18:00	3. Prof. Gerhard Roller: Contaminated sites – a legacy of economic growth in Germany in the 20th century: The Boehringer case, Fachhochschule Bingen	17:00 17:30		3. Juan Pedro Arrebola Morena: Human exposure to persistent organic pollutants and chronic diseases: an old problem for current generations. Focus on metabolic syndrome; Unidad de Gestión Clínica de Oncología. Hospitales Universitarios San Cecilio y Virgen de las Nieves de Granada	17:00 17:30	3. Joao Torres : Evaluation of human exposure to Hexachlorocyclohexane (HCH) in Santos and São Vicente Estuary, São Paulo, Brazil, Biophysics Institute of the Federal University of Rio de Janeiro (UFRJ)
18:00 18:40	4. The Lindane of Inquinosa, 25 years of action in the courts, Samara, Servicios Jurídicos Ambientales, S.C, Madrid, Summary by Ludwig Krämer	17:30 18:00			17:30 18:00	
18:40 19:00	Questions Prof. Ludwig Krämer: Wrap-up	18:00 19:00			18:00 18:30	
19.30	<i>Touristic Tour</i>			18:30 19:00	HCH and POP problems in European and EECCA countries (2nd part) Chairs: Margret Schlumpf & Walter Lichtensteiger 1. Martin Forter: The production of Lindane by Ugene Kuhlmann (Huningue, F) and the consequences for the city of Basel, Switzerland. 2. Rina Guadagnini: Farmers and vulnerable groups at risk of pesticide poisoning in EECCA region: A preliminary study, PAN-UK	




21.30



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WEDNESDAY, 04 NOVEMBER 2015

AUDITORIUM		ROOM 1		ROOM 2	
09.00 11.00	Block 15-Status of EECCA countries on OPs and POPs <i>Chairs: Valentin Plesca and Yuri Soloviev</i>	09.00 11.00	Block 10-Soil Bioremediation <i>Chairs: Rocio Millán Gómez and Olga Escolano</i>	09.00 11.00	Block 4-Toxicology (2nd part) HCH and POP problems in European and EECCA countries <i>Chairs: Margret Schlumpf & Walter Lichtensteiger</i>
09:00 09:20	1. Khoshgadadam Aleskerova ¹ , Islam Mustafayev I. ² : Advantages in management of pesticides and hazards wastes in Azerbaijan; ¹ State Service for Phytosanitary Control of Ministry of Agriculture, Baku, Azerbaijan, ² Institute of Radiation Problems of National Academy of Sciences, Baku, Azerbaijan	09:00 09:15	1. Nicolas Thevenin: Using mixed bacterial culture to develop a biological low cost treatment of pesticides, LVBE, university Haute-Alsace, Colmar	09:00 09:30	3. Rakhmanbek Toichuev: Concentrations and effects of organochlor pesticides in pregnancy and Labor and Obstetrics and Pediatrics;
09:20 09:40	2. Yuri Soloviev: update on Belarusian state of activities on OPs and POPs, Ministry of Natural Resources and Environment Protection	09:15 09:30	2. Paloma Pinilla, Martinez-Iñigo M.J., Lobo M.C.: Use of natural zeolite as support of pendimethalin-degrading bacteria in bioremediation assays, Instituto Madrileño de Investigación y Desarrollo Rural, Agrario y Alimentario, IMIDRA, Madrid	09:30 10:00	4. Ahmad Mahdavi: History of HCH and pesticide use in Iran,
09:40 10:00	3. Vladimir Pak: update of Kyrgyz Republic, Ministry of Agriculture and Melioration of the Kyrgyz Republic	09:30 09:45	3. Tinatin Doolotkeldieva: Microbial communities in pesticide-contaminated soils in Kyrgyzstan and bioremediation possibilities, Kyrgyz-Turkish Mans University, Bishkek, Kyrgyz Republic	10:00 10:30	5. Peter Behnisch: Health & Safety of Pesticides and their complex environmental cocktails, BioDetection Systems, Amsterdam, Netherlands.
10:00 10:20	4. Valentin Plesca: Obsolete Pesticides management in Moldova: current status and perspectives, Ministry of Environment Moldova.	09:45 10:00	4. Angeles Fernández, Álvarez A.: Stimulation in the biodegradation of lindane and other hexachlorocyclohexane isomers by Sphingomonas D4 when grown in co-culture with biosurfactant-producing strains, PROIMI-CONICET, Tucumán, Argentina; 2IAG-CSIC, Santiago de Compostela, Spain	10:30 11:00	6. Margret Schlumpf & Walter Lichtensteiger: Wrap-up HCH and POP Pesticides in Spain and South America, European and EECCA countries and debate
10:20 10:40	5. Gayane Gharagebakyan,: Status of GEF UNDP project Nubarashen landfill, UNDP Armenia				
10:40 11:00	6. Ana Berejiani: Stataus of Obsoslete Pesticidies ain Georgia; Ministry of Environment and Natural Resources Protection of Georgia	10:15 10:30	5. V. Stepankova ¹ , S. Bidmanova ² , M. Kotlanova ¹ , T. Rataj ³ , M. Trtilek ³ , J. Damborsky ^{1,2} , Z. Prokop ^{1,2} : Monitoring of halogenated pollutants using dehalogenase-based biodevices, ¹ Enantis, ² RECETOX, ³ Photon System Instruments, Czech Republic		
		10:30 10:45	6. Enrique Navarro: Ecotoxicological assessment of lindane-polluted soils on bacterial communities and		

		10:45 11:00	earthworms and the use of these organisms as bioremediation tools, Instituto Pirenaico de Ecología (CSIC), Zaragoza 7. De Figueras C. G ¹ , de Lorenzo V ² , González-Pastor J. E ¹ . Transgenic plant for lindane degradation.; ¹ Center of Astrobiology (CSIC-INTA), Spain; ² Centro Nacional de Biotecnología, Madrid, Spain.		
11.00- 11.30	COFFEE BREAK SPONSORED BY		 GOBIERNO DE ARAGON Departamento de Desarrollo Rural y Sostenibilidad		 IHPA International HCH & Pesticides Association
11.30 13.30	Block 13-HCH & DDT Cases and issues: <i>Chairs: Stephan Robinson, Mijke Hertoghs</i>	11.30 13.30	Block 7-PCB management (1st part) <i>Chairs: Dirk-Jan Hoogendoorn, Ed Verhamme</i>	11.30 13.30	Block 4-Toxicology (3rd part) Consequences of human exposure to OCPs and breast cancer <i>Chairs: Margret Schlumpf & Walter Lichtensteiger</i>
11:30 11:50	1. Guadaño J ¹ , Fernández J ² , Gómez J ¹ , Pérez J ¹ , Historical study of the Sardas landfill and site conceptual model. Sabiñanigo (Aragón, Spain). ¹ EMGRISA, ² Department of Agriculture, Livestock and Environment. Government of Aragón, Zaragoza, Spain.	11:30 11:50	1. Urs Wagner: Assessment of efforts made and status of PCB inventories and elimination towards the 2028 deadline, ETI, Environmental Technology Int. Ltd.	11:30 12:00	1. Nicola Olea ^{1,2,3} and Molina-Molina JM ² : Endocrine- disrupting potential of lindane POTENTIAL and other HCH isomers via nuclear receptors, ¹ Unidad de Gestión ¹ Clínica Integral de Oncología de Granada. ² Instituto de Investigación Biosanitaria de Granada; ³ CIBER en Epidemiología y Salud Pública (CIBERESP)
11:50 12:10	2. Suzana Andonova, Alexandr Mickovski: A GEF Project on historical HCH contaminated sites at the organic chemical industry Skopje (OHIS)	11:50 12:10	2. Nick Morgan & Gabriel Chiffier: Experience of PCB removal in the field, Veolia ES Field Services Ltd.		
12:10 12:30	3. Mihaela Paun, Overview of the management of POPs contaminated sites in Romania, Ministry of Environment and Climate Change, Romania	12:10 12:30	Destruction Technologies 3. Ed Verhamme, Co-processing PCB & other POPs in cement kilns A local solution, Alternate Resource Partners	12:00 12:30	2. Henk van Loveren: Testing for developmental immunotoxicity of chemicals, Maastricht University, Netherlands
12:30 12:50	4. Mijke Hertoghs; Road map for the development of alternatives to DDT, UNEP/DTIE Chemicals Branch	12:30 12:50	4. Edgar Bilger, Klaus Seikel, Susanne Butorac: Sodium technology – the choice for treatment of POPs, Dr. Bilger Umweltconsulting GmbH, Germany	12:30 13:00	3. Walter Lichtensteiger: The developing brain as a target of environmental chemicals, GreenTox, Zürich, Switzerland
12:50 13:10	5. Sandra Molenkamp ¹ , Wouter Pronk ¹ , Stefan Robinson ² : Safeguarding of DDT and associated waste in Georgia, Kyrgyzstan and Tajikistan, ¹ Milieukontakt International, The Netherlands, ² Green Cross Switzerland	12:50 13:10	New Technologies 5. Alessandro Capo: Oil & PCBs free program 2015: inventory, control, management, integrated decontamination -6 dehalogenation of PCB & oil and transformers – some case histories - Vander Tumiatti - Sea Marconi Technologies	13:00 13:30	4. Margret Schlumpf & Walter Lichtensteiger: Summary of workshop and actions needed for the future, GreenTox, Zürich Switzerland
13:10 13:30	6. Joao Torres, Status of the HCHs issues in Brazil in 2015 – Are we advancing on the understanding of the				

	environmental health effects?, Biophysics Institute of the Federal University of Rio de Janeiro (UFRJ)	13:10 13:30	6. Montse Papiol: SARPI Constanti: Effective management of POPs and hazardous waste treatment in Spain, Sarpi Constantí S.L.U., Constantí		
	7. Discussion and summary				
13.30-15.00	LUNCH SPONSORED BY				
15.00 17.00	Block 5 – Unintentional/intentional POPs -challenges and management <i>Chairs: Roland Weber and Mihaela Paun</i>	15.00 17.00	Block 7-PCB management (2^{on} part) Logistics with PCB's & PCB equipment <i>Chairs: Dirk-Jan Hoogendoorn, Ed Verhamme</i>	15.00 17.00	
15:00 15:15	1. Fernández-Castro P, Vallejo M.1, San Román M.F.1, Ortiz I: Assessment of PCDD/Fs formation in the advanced oxidation treatment of model solutions of 2-chlorophenol	15:00 15:20	7. Bea Ruscillo: Basel Convention on the control of transboundary hazardous waste and their disposal & regulation (EC) No. 1013/2006 on shipments of waste, FTA Logistics.		
15:15 15:30	2. Weber R. ¹ , Watson A. ^{2,3} , Petrlik J. ^{2,4} , Fernandez J. ⁵ , Winski A. ⁶ , Schwedler O. ⁷ , Baitinger C. ⁷ , Behnisch P. ⁸ : PCDD/F, PBDD/F and PCB contamination in eggs as sensitive indicator for soil contamination around pollution sources; ¹ POPs Environmental Consulting; Gernany, ² International POPs Elimination Network Sweden; ³ Public Interest Consultants, Uplands Court, Prague, Czech Republic; ⁵ Department of Agriculture, Livestock and Environment. Government of Aragón, Spain; ⁶ BI Sauberes Grundwasser, Germany; ⁸ BioDetection Systems BV (BDS), The Netherlands.	15:20 15:40	8. Dirk Jan Hoogendoorn, PCB projects in emerging economies: feasibility of local treatment, Orion BV, The Netherlands.		
15:30 15:45	3. Peter Behnisch; Bram Brouwer: Experiences with (New) POPs & EDCs in the environment, wildlife and humans by effect & quantitative based bioanalysis; BioDetection Systems BV (BDS), The Netherlands	15:40 16:00	9. Conclusions and recommendations		
15:45 16:00	4. Musil, V., Urban, U., Kulhanek, A.: Survey and risk assessment evaluation of an area contaminated by dioxins in Vietnam, Phong My Commune and a So site; DEKONTA, a.s., Prague, Czech Republic				
16:00-16:15	5. Martin Forter: Hexachlorbutadiene and tetrachlorobutadien in the drinking water for the City of Basel (Switzerland), the Rhine and in the				

<p>16:15 16:30</p> <p>16:30 16:45</p> <p>16:45 17:00</p>	<p>chemiemüldeponie "Feldreben" from BASF, Novartis and Syngenta; Switzerland.</p> <p>6. Anahit Aleksandryan¹, Khachatryan V.Kh², Khachatryan A.V³.: Open burning: main source of dioxin/furans emissions in Armenia; ¹Ministry of Nature Protection, ²Ministry of Agriculture, ³National Institute of Oncology, Republic of Armenia, ⁴Waste Research Center, all Yerevan, Republic of Armenia</p> <p>7. Roland Weber R¹, Watson A², Tysklind M, Laner D, Forter M, Vijgen J. :POPs and other persistent toxic substances (PTS) in landfills/deposits and inventory needs in the face of climate change; ¹POPs Environmental Consulting; Gernany, ²International POPs Elimination Network Sweden, ³Public Interest Consultants, Uplands Court, Prague, Czech Republic, Umeå University, Sweden</p> <p>8. Dr. David Lahner: Vienna University of Technology, Vienna, Austria, IHPA.</p> <p>9. Discussion</p>				
<p>17.00- 17.30</p>	<p>COFFEE BREAK SPONSORED BY</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>				
<p>17.30 19.00</p> <p>17:30 17:50</p> <p>17:50 18:10</p>	<p>Block 1- Spanish Experiences: Part 1: The lindane production and lessons learned on the example of the Discovered Life Project Isco pilot test</p> <p>Chairs: Joaquín Guadaño, Regina Rodriguez, Juan José Mestre Pedret</p> <p>1. Leire Esolar: HCH: A problem solved in the Basque Country, IHOBE, Bilbao</p> <p>2. J.F. Cascán: General strategy for the HCH landfill pollution. The singular problem regarding the DNAPL presence; Regional Government of Aragón, Zaragoza, Spain</p>	<p>17:30 19:00</p> <p>17:30 17:50</p> <p>17:50 18:10</p> <p>18:10 18:30</p> <p>18:30</p>	<p>Block 16- Waste Management Experiences Chairs: Ilya Marchevsky and I. Avramikos</p> <p>1. Malliarou E., Sakkalis K. , Kakkos G. , Manolopoulos P.: Ban on the transboundary movement of PCBs from Kazakhstan to Europe and air transport of the waste, Polyeco S.A., Greece</p> <p>2. Ilya Marchevsky: Field experiences of POPs management in Ukraine, S.I. Group Consort Ltd, Israel</p> <p>3. Penha Rebelo, F.J.: Removing the threats of obsolete pesticides in Moldova, DEKONTA a.s., Remediation and Environmental Projects Division, Czech Republic</p> <p>4. Avramikos I., Nikolaidis G., Sakkalis K. : Disposal of POPs</p>		

18:10 18:30	3. Alcalde, D; Alonso, T; Espinosa, R; Fernandez, J; Rodriguez, R.: DNAPL distribution and transport in a fractured media. Hydrogeological constraints for the remediation of Bailin. AECOM URS, Madrid (Spain)	18:50	pesticides and initial steps of containment of dumped POPs pesticides in Georgia, Polyeco S.A., Greece		
18:30 18:50	4. Corcho D., Fernández J., Laperou, L.; Guadaño J.: Laboratory evaluation of mixed surfactants solutions to mobilise Hexachlorocyclohexane (DNAPL) from Sardas landfill (Aragón, Spain)	18:50 19:10	5. Discussion		
18:50 19:10	5. Gómez J., Fernández J., Guadaño J., Pérez J., Madrid, Zaragoza: DNAPL detection, identification & characterization techniques and distribution in the Sardas landfill. Sabiñanigo (Spain)				
19.10 20.30	Film Projections: "Discovering Lindane-The legacy of HCH production" & "Contaminated Future" & "When the elephants dance, the grass gets beaten".				
20.45	DINNER SPONSORED BY				
					

Please note early start 08:30		THURSDAY, 05 NOVEMBER 2015			
AUDITORIUM		ROOM 1		ROOM 2	
08.30 11.00	Block 1- Spanish Experiences: Part 2: Air monitoring and water monitoring during the dismantling of the Bailín landfill Chairs: Joaquín Guadaño, Regina Rodriguez, Juan José Mestre Pedret	08.30 11.00	Block 6-Waste & Soil Technologies Chairs: Nick Morgan, Angels Castellnou and Jose Manuel Corujo	08.30 11.00	Block 11- Landfills: Transfer of experiences from Aragón, Vietnam and EECCA Countries (1st Part)
08:30 08:50	1. Araceli Mir: Environmental Monitoring of the dismantling Works in the HCH Bailín Landfill, Sabiñánigo, Spain; FCC Ambito. Spain,	08.30 08:50	1. Waste Destruction technologies/Soil treatment: Sebastian Gargallo, J. Fernández, J. Guadaño: RNIP (Reactive Nano-scale Iron Particles) successful case application for HCH dechlorination of contaminated soil in Sardas, Sabinánigo (Aragón, Spain)	08:30 08:55	First block: Transfer of experiences from Bailin and POP pesticides landfills in EECCA countries Chair: Rick Cooke and Co-chair Boudewijn Fokke
08:50 09:10	2. Jose Manuel Corujo: Security and health protocols for the dismantling works in the HCH Bailín Landfill, Sabiñánigo, Spain; Adiego Hnos. Spain	08:50 09:10	2. Angels Castellnou: Soil re-use after thermal desorption treatment. The Dutch approach, ATM Moerdijk, Netherlands	08:55 09:20	1. Pedro de Miguel Sánchez: Experience of the HCH Bailín landfill dismantling: characteristics of the scenario, control and actions. Sarga, Zaragoza, Spain
09:10 09:30	3. Fernández Cascán, J ¹ .; Corujo Cristóbal ² , J.M.; Caleyá				2. Matthijs Bouwknecht: Sustainable management of POP pesticide contaminated landfills in Armenia and

09:30 09:50	<p>Sánchez, J.M.²; Revuelto Palau, D.³; Mir Morales, A.²; Sainz Gutiérrez³; Kaifer Braseró, MJ²:: Dismantling of the old Lindane waste landfill of Bailín (Sabiñanigo-Huesca); ¹Regional Government of Aragón, Zaragoza, Spain; ² FCC Ámbito, S.A., Madrid, Spain; ³ADIEGO Hnos, S.A. – Environmental Division, Zaragoza, Spain;</p> <p>4. Pérez J¹, Gómez J¹, Guadaño J¹, Fernández J², Suso J³. FLOW SIMULATION MODELING OF THE GROUNDWATER INTERCHANGE BETWEEN QUATERNARY AQUIFER AND SABIÑÁNIGO RESERVOIR. 1 EMGRISA, 2 Department of Agriculture, Livestock and Environment. Government of Aragón, Zaragoza, Spain;3 Environmental Consultant.</p>	09:10 09:30	<p>3. H. Vanova: Prague: Mobile thermal desorption unit: small scale contaminated sites solution, Dekonta, Prague, Czech Republic</p> <p>4. Thaddeus Kuzniar: The MCS™ Technology: POP Soil Treatment Project Experience and Technology Overview, Thermodyne Technologies, USA</p> <p>5. John Follins: Pesticide and Other Organic Chemical Destruction using Super Critical Water Oxidation Waste Destruction Technologies, General Atomics</p> <p>In-Situ remediation technologies</p>	09:20 09:45	<p>Georgia; Taw consultancy, The Netherlands</p> <p>3. Ion Barbarasa: The Cismichioi Landfill: Ecological status and management; Ministry of Environment, Moldova</p> <p>4. Anton Roeloffzen: Sustainable management of the POP (drins) contaminated harbour sludge site Broekpolder near Rotterdam in the Netherlands; DCMR Milieudienst Rijnmond, The Netherlands</p>
09:50 10:10	<p>5. Cuchí J. A.¹, Lacruz B.², Fernández J.³: Waste shipment in Sabiñánigo (Huesca, Spain) and its effect on the Gallego river contamination during late 2014; ¹Department of Agricultural Science and Environment. Polytechnic School of Huesca, University of Zaragoza, Huesca, Spain; ²Department of Statistical Methods, Universidad de Zaragoza; ³Regional Government of Aragón, Zaragoza, Spain</p>	10:10 10:30	<p>6. R. A. Brown, A.O. Thomas: In situ chemical oxidation for pesticides: a review, ERM, UK, US</p>	10:10 10:35	<p>5. Flip Kips, Boudewijn Fokke, Matthijs Bouwknecht: Modern project management in land rehabilitation – application of Prince2 methodology; Taw consultancy, The Netherlands</p>
10:10 10:30	<p>6. Santolaria Z., Arruebo T., Pardo A., Bartolomé A., Matesanz J.M., Rodríguez-Casals C., Caixach J., Lanaja F.J. and Urieta J.S.: LINDANE AND OTHER ORGANIC POLLUTANTS RECORD IN THE PYRENEAN SABOCOS TARN WATER MASS; University of Zaragoza</p>	10:30 11:00	<p>7. Charles Pijls, Frank Volkering: Experiences with in situ remediation of Hexachlorocyclohexane in soil and groundwater, Taw Consultancy, Netherlands</p> <p>8. Discussion</p>	10:35 11:00	<p>Block 11- Landfills: Transfer of experiences from Aragón, Vietnam and EECCA Countries (2nd part)</p> <p>Second Block: Transfer of Experiences from Viet Nam <i>Chair: Flip Kips and Co-chair Pedro de Miguel Sánchez</i></p>
10:30 10:50	<p>7. Pelegrín C.¹, Asín J.¹, Lacruz B. , Fernández J². A STATISTIC WINDSPEED PREDICTION MODEL FOR THE DISMANTLEMENT OF THE HCH LANDFILL IN BAILÍN (SABIÑÁNIGO, HUESCA, SPAIN); ¹Department of Statistical Methods, University of Zaragoza; ²Regional Government of Aragón, Zaragoza, Spain</p>				
10:50 11:00	<p>8. Discussion</p>				<p>1. Vinh Hoang Thanh: Sustainable management of POPs pesticides contaminated sites in Viet Nam, the Ministry of Natural Resources and Environment (MONRE) in Vietnam.</p>
11:00 11:30	<p>COFFEE BREAK SPONSORED BY</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>				

11.30 13.00		<p data-bbox="801 153 1458 248">Block 3-Counterfeit pesticides and empty containers, improvement on pesticides management <i>Chairs: Mikhail Malkov, Rob Denny</i></p> <ol data-bbox="801 312 1458 1270" style="list-style-type: none"> <li data-bbox="801 312 1458 408">1. Larisa Petriv: Global overview of illicit pesticides circulation, Director, Center of Environmental Conflictology, Ukraine <li data-bbox="801 424 1458 552">2. Mikhail Malkov: Comprehensive Approach on Counteracting to Circulation of Illicit Pesticides, Key expert of Center of Counteracting to frauds in agriculture, Ukraine <li data-bbox="801 568 1458 759">3. Miszczyk M., Stobiecki T., Płonka M., Kronenbach-Dylong D. : Experiences on illegal and counterfeit plant protection products in Poland; Institute of Plant Protection-National Research Institute Sośnicowice Branch, Pesticide Quality Testing Laboratory <li data-bbox="801 775 1458 903">4. Rob Denny: Environmental Purchasing Standards: Bridging the Public-Private Divide for Pesticide Stewardship; International Environmental Policy Consultant <li data-bbox="801 919 1458 1062">5. Yeneneh Belayneh, Lessons Learned in Reducing the Risk of Pesticides in ETOP Management through Innovative Approaches; US AID, Washington, USA <li data-bbox="801 1078 1458 1270">6. Peña N. A.^{1,2}, Antón A.²: A new approach for modelling inorganic pesticides: adaptation of life cycle assessment tools to copper fungicides, ¹Universitat Autònoma de Barcelona, Spain; ²Research and Technology for Food and Agriculture - IRTA, Cabriels, Spain 	<p data-bbox="1480 153 2134 248">Block 11- Landfills: Transfer of experiences from Aragón, Vietnam and EECCA Countries (2nd part)</p> <p data-bbox="1480 280 2134 408">Second Block: Transfer of Experiences from Viet Nam <i>Chair: Flip Kips and Co-chair Pedro de Miguel Sánchez</i></p> <ol data-bbox="1480 440 2134 935" style="list-style-type: none"> <li data-bbox="1480 440 2134 536">2. Boudewijn Fokke: The five phases of sustainable management of POP pesticide contaminated sites in Viet Nam, Tauw consultancy, The Netherlands <li data-bbox="1480 552 2134 743">3. Rick Cooke: Remediation technology demonstrations on dioxin contaminated sites in Viet Nam and their potential broader application to POPs contaminated sites, Man-West Environmental Group Ltd. In Canada GEF/UNDP <li data-bbox="1480 759 2134 887">4. Ed Verhamme: Collecting, Transporting, Storing and Destructing POP / PCB in Cement Kiln Holcim Vietnam, ARP on behalf of Geocycle, Vietnam <li data-bbox="1480 903 2134 935">5. Discussion 	
13:00	Prospects for the 14th Forum within the framework of the EXPO 2017 in Astana, Kazakhstan			

13:00 13:10	1. Mr BeKbergen Kerey, Director of Green Economy of Kazakhstan: Brief statement and a formal announcement of the Minister of Energy of the 14th Forum in Astana	
13:10 13:30	2. Ms. Saltanat Temirkulovna Rakhimbekova: Presentation of "green" initiatives in Kazakhstan , Chair of the board Coalition “ For the development of green economy and G-Global “	
13:30 13:50	3. Ms. Kazken Orazalina: "The urgency of the problem of obsolete pesticides in Kazakhstan", national coordinator 14 th Int. HCH & Pesticides Forum	
13:50 14:30	Zaragoza 13th HCH Forum Declaration Part 1: Inquinosa issue	Zaragoza 13th HCH Forum Declaration Part 2: EECCA declaration
14:30 14:50	Closure session	
14:50 15:20	VIDEO Bailin Dismantling to preparing the fieldtrip	
15:30	<p><i>CLOSURE LUNCH SPONSORED BY</i></p> 	

Lunches and dinners include poster presentations in WTCZ Panoramic Restaurant:

*Fernández-Castro P., Vallejo M., San Román M.F., Ortiz I.: Assessment of PCDD/Fs formation in the advanced oxidation treatment of landfill leachate
Universidad de Cantabria, Santander, Spain*

Vera T., Muñoz A., Ródenas M., Borrás E.: Atmospheric degradation of lindane and 1,3-dichloroacetone in the Europhore chamber, Instituto Universitario UMH-Fundación CEAM, Valencia, Spain

Barbas B, de la Torre A, Sanz P, Navarro I, Artíñano B, Martínez MA: Air pollution: POPS and emerging pollutants in the city of Madrid, Spain; Group of Persistent Organic Pollutants, CIEMAT, Madrid, Spain

Vinh Hoang Thanh: Viet Nam and the progress on sustainable management of POP pesticides contaminated sites, the Ministry of Natural Resources and Environment (MONRE) in Viet Nam

Mate Lessman: Literature study on the enhanced biodegradation of drins in the harbour sludge Broekpolder, Vlaardingen, Student University of Kamp Lintfort, Germany

THURSDAY, 05 NOVEMBER 2015: JORNADA DE SENSIBILIZACIÓN SOBRE PESTICIDAS

VENUE: JOAQUIN RONCAL, CALLE SAN BRAULIO 5-7, ZARAGOZA, ESPAÑA - 17.00 – 20:30

FILM PROJECTION – ZARAGOZA AWARENESS DAY OF PESTICIDES



DISCOVERING LINDANE

The legacy of HCH production

Arturo Hortas

CONTAMINATED FUTURE

Morten Hansen & Tom Heinemann



**WHEN ELEFANTS DANCE,
THE GRASS GETS BEATEN**

Jan Van Den Berg

FRIDAY, 06 NOVEMBER 2015: FIELD TRIP TO INQUINOSA SITE AND LANDFILLS

This Field Trip and lunch is sponsored by



DEPARTURE: 7h00 a.m. at the meeting point in Plaza del Pilar

LUNCH: 13h00 -15h00 HOTEL SANTA ELENA: Ctra. de Biescas, s/n. 22600 SABIÑÁNIGO (Huesca) Telf.: +34 974 482 226

PLANNED ARRIVAL IN ZARAGOZA: 16h00 -17h00

17h00 bus stop in DELICIAS TRAIN STATION

17h30 bus stop at ECHEGARAY Y CABALLERO