

Oral Programme HE7

Speciation of trace elements in soils and sediments

Conveners: Isabel Gonzales, Roberto Terzano

Tuesday 16 June, 2009

Chairs: Isabel Gonzales & Roberto Terzano

- 08.50 – 09.20 HE7a.Tue.KL1
*Melissa A. Denecke**
ACTINIDE SPECIATION USING SYNCHROTRON TECHNIQUES
- 09.20 – 09.40 HE7a.Tue.L2
Jeanne B. Percival, Michael B Parsons, Ning Chen, Suzanne Beauchemin, Y.T. John Kwong*
A XAS STUDY OF ARSENIC SPECIATION IN WASTE MATERIALS FROM LODE GOLD DEPOSITS
- 09.40 – 10.00 HE7a.Tue.L3
Anna Santoro, Roberto Terzano, Saverio Fiore, Stefan Mangold, Gabriella Blo, Pacifico Ruggiero*
MERCURY DISTRIBUTION AND SPECIATION IN THE COLLOIDAL FRACTION OF SOILS CONTAMINATED BY INDUSTRIAL ACTIVITIES: A CASE STUDY IN THE SOUTH OF ITALY
- 10.00 – 10.20 HE7a.Tue.L4
Eric Breynaert, Dirk Dom, Jacqueline Vancluysen, Andreas Scheinost, André Maes*
INTERACTION OF SE WITH BOOM CLAY: XAS SOLID PHASE SPECIATION
- 10.20 – 10.40 HE7a.Tue.L5
María Jose Martínez-Sánchez, Carmen Perez-Sirvent, María Luz Garcia-Lorenzo, M. Hernandez-Cordoba*
MOBILIZATION AND FATE OF HEAVY METALS IN RED MEDITERRANEAN SOILS POLLUTED BY MINING ACTIVITIES

COFFEE BREAK 10.40-11.00

Tuesday 16 June, 2009

Chairs: Isabel Gonzales & Roberto Terzano

- 11.00 – 11.30 HE7b.Tue.L1
*Paola Adamo**
CHEMICAL SPECIATION AND BIOAVAILABILITY OF TRACE ELEMENTS IN SOILS
- 11.30 – 11.50 HE7b.Tue.L2
Carmen Perez-Sirvent, María Jose Martínez-Sánchez, María Luz Garcia-Lorenzo, J. Molina*
ASSESSMENT OF THE ENVIRONMENTAL EFFECT CAUSED BY HEAVY METALS IN SOILS AFFECTED BY OLD MINING ACTIVITIES
- 11.50 – 12.10 HE7b.Tue.L3
Ewa M. Cukrowska, Julien Lusilao-Makiese, Hermogene Nsengimana, David Amouroux*
MERCURY SPECIATION IN THE ENVIRONMENT AFFECTED BY INDUSTRIAL POLLUTION: DETERMINATION AND MODELLING
- 12.10 – 12.30 HE7b.Tue.L4
Ali Akbar Safari Sinegani, Hossein Mirahamdi Araki*
CHANGES IN CHEMICAL FORMS OF LEAD IN TEMPERATE AND SEMIARID SOILS
- 12.30 – 12.50 HE7b.Tue.L5
H. Tutu, E.N. Bakatula, E.M. Cukrowska, I.M. Weiersbye*
CHARACTERISATION OF CYANIDE IN GOLD-MINE TAILINGS OF THE WITWATERSRAND, SOUTH AFRICA

Poster Programme HE7

Posting Time: Monday 15 June, 20.30-22.30; **Removal:** Wednesday 17 June, 12.50-14.30;

Attendance Time: Tuesday, 16 June, 18:30–20:00

Chairs: Isabel Gonzales & Roberto Terzano

- HE7.Tue.P1 *Cristina Annicchiarico, Nicola Cardellicchio, Antonella Di Leo*, Santina Giandomenico, Lucia Spada*
SPECIATION AND BIOAVAILABILITY OF MERCURY IN SEDIMENTS FROM MAR PICCOLO OF TARANTO (IONIAN SEA, SOUTHERN ITALY)
- HE7.Tue.P2 *Micaela Buonocore*, Nicola Cardellicchio, Antonella Di Leo*
METAL SPECIATION IN CONTAMINATED SEDIMENT BEFORE AND AFTER SEDIMENT WASHING TREATMENT
- HE7.Tue.P3 *Ki Young Choi, Suk Hyun Kim, Hyo Taek Chon**
RELATIONSHIP BETWEEN TOTAL CONCENTRATION AND DILUTE HCL EXTRACTION OF HEAVY METALS IN SEDIMENTS OF HARBORS AND COASTAL AREAS IN KOREA
- HE7.Tue.P4 *Isabel González*, María López, Javier García López, Juan Carlos Fernández-Caliani, Antonio Romero, Emilio Galán*
THE APPLICATION OF PIXE IN THE CHEMICAL-MINERALOGICAL SPECIATION OF TRACE ELEMENTS IN POLLUTED SOILS
- HE7.Tue.P5 *Pietro Iavazzo*, Paola Adamo, Maria Boni, Daniela Ducci, Stephen Hillier, Marco Trifuoggi, Mariavittoria Zampella*
SPECIATION OF HEAVY METALS IN SOILS AND SEDIMENTS FROM THE HIGH MOULOUYA RIVER VALLEY (MOROCCO)
- HE7.Tue.P6 *Roberto Terzano*, Anna Santoro, Matteo Spagnuolo, Bart Vekemans, Luca Medici, Koen Janssens, Joerg Goettlicher, Melissa A. Denecke, Stefan Mangold, Pacifico Ruggiero*
DIRECT MERCURY SPECIATION IN SOIL: TRACING BACK TO THE SOURCE OF POLLUTION
- HE7.Tue.P7 *Mariavittoria Zampella, Benedetto De Vivo, Pietro Iavazzo, Annamaria Lima, Paola Adamo**
TRACE ELEMENTS SPECIATION IN SOILS AND SEDIMENTS OF THE SOLOFRANA RIVER VALLEY, SOUTH ITALY