

15th ISCO Congress Programme

May 18, 2008

15:00 – Arrival and registration of the Participants
19:00 – Welcome reception

– Oral presentations –

May 19, 2008

Room 1

9:00	9:30	Opening ceremony Welcoming addresses <ul style="list-style-type: none"> • Ádám Kertész, President of ISCO • Tamás Németh, General Secretary, Hungarian Academy of Sciences • Ferenc Sirman, State Secretary, Ministry of Agriculture and Rural Development • József Ádám, President of the Section of Earth Sciences, Hungarian Academy of Sciences
9:30	10:00	Keynote: Nearing, M.: The US Department of Agriculture's Conservation Effects Assessment Project: A national program to assess the benefits of conservation programs
10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
		Climate change and environmental sensitivity
10:30	11:00	Keynote: Blum, W.E.H.: Soil and land management under climate change
11:00	11:15	Nunes, J.P.: Response of runoff and erosion during extreme events to climate change in Mediterranean watershed
11:15	11:30	Rakonczai, J.: Climate change - aridification - changing soil - transforming landscape
11:30	11:45	Fan, H. - Zhang, R. - Wu, M. - Zhou, L. - Liu, Y.: Impact of climate change on freeze-thaw function and freeze-thaw erosion in black soil region of Northeast China
11:45	12:00	Song, N. - Zhang, F.: The studying of climate change's effect on the farmer's land use option in Farming-grazing Transitional Zone - Taking Ejin Horo Banner in Inner Mongolia of China as a case
12:00	12:15	Yair, A.: Complex geo-ecological responses to climatic changes in an arid area: the case of the northern Negev desert
12:15	12:30	Motuzova, G. - Barsova, N.: Barrier functions of soils and sensitivity of environment to pollution
12:30	14:00	Lunch and Poster session II <ul style="list-style-type: none"> - Climate change and environmental sensitivity

		<ul style="list-style-type: none"> - Land use change - Soil erosion
14:00	14:15	Pal, I. - Al-Tabbaa, A.: Monsoonal climate variability and its impact on susceptibility of rainfall to cause erosion
14:15	14:30	Feiziene, D. - Feiza, V. - Lazauskas, S. - Kadziene, G. - Simanskaite, D.: Crop and soil management adaptation to sustain field crop productivity and improve soil water regime under global changing climatic conditions in Lithuania
14:30	14:45	Makó, A. - Debreczeni, K. - Máté, F. - Szász, G.: Soil fertility as an indicator of climate-sensitivity of the soils
14:45	15:00	Wang, W. - Chen, X. - Xiong, B. - Fu, B.: Isolation, screening and characteristics of hydrogen-oxidizing bacteria in soybean rhizosphere
15:00	15:15	Ventrella, D. - Castrignanò, A. - Sollitto, D. - Fiorentino, C. - Lopez, R.: An Integrated Italian research project on "Evolution of cropping systems as affected by climate change" (CLIMESCO): first results on spatial and climatic characterization of two agricultural lands
15:30	16:00	Coffee break and Poster session III <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion

17:00	19:00	ESSC Council Meeting
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Room 2

10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
		Land use change
10:30	11:00	Keynote: Rubio, J.L.: Disruption of soil functions by land use changes in the Mediterranean
11:00	11:15	Ayoubi, S. - Khormali, F.: Use of factor analysis to evaluate soil quality relation to land use change in Azadshar district, north of Iran
11:15	11:30	Llovet López, J. - Vallejo Calzada, V.R. - Josa March, R.: Soil surface compaction: How land abandonment interacts with fires in a Mediterranean environment
11:30	11:45	Banov, M. - Georgiev, B. - Capra, G.F. - Vacca, S.: Land evaluation for agricultural purposes - Bulgarian System Evaluation scales according to winter wheat requirements
11:45	12:00	Jiang, Y. - Schmidt-Vogt, D. - Schrestha, R.P.: Land use based identification of agricultural factors for improving sustainable land resource management in Northern Thailand - A case study in the Chiang Mai Province
12:00	12:15	Sigurdsson, B.D.: ForStreams - Icelandic study on the effects of afforestation and revegetation on streamflow, aquatic ecosystems and water quality
12:15	12:30	Paz Ferreira, J. - Pereira de Almeida, V. - Alves, M.C. - Vidal Vázquez, E.: Cone penetration resistance in an Oxisol under different land uses in Western Sao Paulo, Brazil
12:30	14:00	Lunch and Poster session II <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
14:00	14:15	Rubino, M. - Coppola, E - Vacca, S. - Dazzi, C. - Capra, G.F. - Buondonno, A.: Change of distribution of soil phenolic matter along profiles of soils with different use
14:15	14:30	Wilson, M.G. - Paz Ferreira, J. - Tasi, H.A.A. - Vidal Vázquez, E. - de Battista, J.J.: Impact of land use change on selected properties of mollisols in the Entre

		Ríos Province, Argentine
14:30	14:45	Malvar, M.C. - Prats, S.A. - Nunes, J.P. - Keizer, J.J.: Micro-plot scale overland flow generation and soil erosion in two recently burnt eucalypt stands in north-central Portugal: measurement and modeling results for simulated and natural events
14:45	15:00	Campo, J. - Andreu, V. - Gimeno-García, E. - González-Pelayo, O. - Rubio, J.L.: Effect of canopy cover in macro and micro aggregation in a Mediterranean forest soil burned with different fire intensities
15:00	15:15	Meusbürger, K. - Alewell, C.: Effects of temporal change on soil stability in an alpine catchment (Urseren Valley, Switzerland)
15:15	15:30	Ramezanpour, H. - Akef, M.: Soil degradation of forest lands under udic soil moisture regime of Iran
15:30	16:00	Coffee break and Poster session III <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
16:00	16:15	González-Pelayo, O. - Andreu, V. - Gimeno-García, E. - Campo, J. - Rubio, J.L.: Post-fire changes of Soil Water Retention Capacity in a Mediterranean shrubland soil environment, under canopy and bare soil
16:15	16:30	Konz, N. - Alewell, C.: Modelling and verification of soil erosion in steep alpine environments
16:30	16:45	Soufi, M.: The effect of land use and soil characteristics on gully formation in an arid ecosystem, Southwest of I.R. Iran
16:45	17:00	Cooper, M. - Santos Momoli, R.: Variability of sediments deposited in riparian forests with different stages of development

Room 3

10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
		Soil erosion
10:30	11:00	Keynote: Govers, G.: Soil erosion research: do we know what we need to know?
11:00	11:15	Psarrou, M.N. - Lioliou, M.G. - Paraskeva, C.A. - Koutsoukos, P.G. - Ostvold, T. - Payatakes, A.C.: Protection from soil erosion through calcium phosphate precipitation
11:15	11:30	Subedi, M. - Fullen, M.A. - Booth, C.A. - Sarsby, R.W. - Bhattacharyya, R. - Kugan, R. - Poesen, J. - Smets, T. - Kertész, Á. - Tóth, A. - Szalai, Z. - Jankauskas, B. - Jankauskiene, G.: The contribution of biogeotextiles to sustainable development and soil conservation in European countries: The BORASSUS Project
11:30	11:45	Barhmi, K. - Gabriels, D. - Mossadek, R.: Evaluation of erosion hazards in a semi arid area of Morocco
11:45	12:00	Attia, R. - Agrebaoui, S. - Dridi, B. - Hamrouni, H. - Andreiux, P. - Touma, J. - Zante, P.: Rôle de la variation spatiale et temporelle des états de surface SUR la genèse des écoulements sur les sols en milieu cultivé méditerranéen CAS du Bassin versant d'el gouazine (Tunisie centrale)
12:00	12:15	Dufkova, J.: Wind erosion in the Czech Republic
12:15	12:30	Bou Kheir, R.: Use of a GIS-interpolation method (ANOVA) for modelling and mapping soil-water erosion processes in Lebanon
12:30	14:00	Lunch and Poster session II

		<ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
14:00	14:15	Hudek, Cs. - Rey, F. - Molnar, E.: Influence of Mahonia Aquifolium population on erosion control in a mountainous area in Hungary
14:15	14:30	Ritchie, J.C. - McCarty, G.W.: Using fallout Cesium-137 to understand soil redistribution over agricultural landscapes
14:30	14:45	Rosner, J. - Zwatz, E. - Klik, A. - Gyuricza, C.: Conservation tillage systems - soil-nutrient and herbicide loss in lower Austria and the Mycotoxin problem
14:45	15:00	Pascual Aguilar, J.A. - Gimeno-Garcia, E. - Llovet, J.: A recent history of Mediterranean wildfires and their influence on soil erosion
15:00	15:15	Bhattacharyya, R. - Davies, K. - Fullen, M.A. - Booth, C.A.: Soil conservation using palm-mat geotextiles on loamy sand soils in the United Kingdom
15:15	15:30	Vanmaercke, M. - Zenebe, A. - Poesen, J. - Verstraeten, G. - Nyssen, J. - Govers, G. - Deckers, J.: Magnitude and dynamics of runoff and sediment transport in the Geba river catchment, Northern Ethiopia
15:30	16:00	Coffee break and Poster session III <ul style="list-style-type: none"> - Climate change and environmental sensitivity - Land use change - Soil erosion
16:00	16:15	Kostadinov, S. - Dragovic, N. - Todosijevic, M.: Soil erosion and the possibility of its control in the watershed of the water reservoir "Prvonek"
16:15	16:30	Schuller, P. - Iroumé, A. - Walling, D. - Castillo, A. - Mancilla, B.: Use of ⁷ Be measurements to investigate the effectiveness of woody trash barriers in reducing sediment loss after forest clearcutting and their optimum spacing
16:30	16:45	Cook, M.G. - Hollifield, J.F.: Best management practices for controlling erosion and sedimentation during electrical transmission line construction on Steep Terrain
16:45	17:00	Hadda, M.S. - Pal Singh, D. - Khrea, R.: Selection of important soil quality attributes through principal component analysis in north-western tract of India
17:00	17:15	Prasad, S.N. - Suryadevara, M.R. - Römken, M.J.M.: Measurements and analysis of sediment transport capacity in shallow overland flow
17:15	17:30	Mazour, M. - Morsli, B. - Touil, A. - Kasmi, M. - Roose, E.: Aménagement et techniques traditionnelles de conservation de l'eau et du sol dans le Nord Ouest Algerien

May 20, 2008

Room 1

		Water management – Agronomy
9:00	9:30	Keynote: Pla Sentís, I.: Water management under changing climate and land use: Use of simulation modeling
9:30	9:45	Touma, J.: Comparison of different capillary models to predict the hydraulic conductivity from the water retention curve
9:45	10:00	Villagra-Mendoza, K. - Nordmeier, J. - Pasche, E.: Refined modeling of infiltration processes into the upper soil layer
10:00	10:30	Coffee break and Poster session I - Other land degradation processes – Salinization - Soil erosion
10:30	10:45	Van den Elsen, E. - Doerr, S. - Ritsema, C.: The Water Reuse project: Sustainable waste water re-use technologies for irrigated land in NIS and southern European states - project overview and first results
10:45	11:00	Rumman, G.A. - Lennard, E.B. - Colmer, T.D.: Understanding salt and water dynamics to enhance the quality of turfgrasses irrigated with saline groundwater in a Mediterranean environment
11:00	11:15	Hao, X. - Li, W. - Chen, Y.: Study on relationship between species diversity and groundwater depth in the low reaches of Tarim River, Xinjiang, China
11:15	11:30	Xu, X. - Zhang, B.: Soil moisture status and its responses on land uses and water conservation measures in the loess plateau region
11:30	11:45	Moussadek, R. - Mrabet, R. - Verdoodt, A. - Ye, L. - Badraoui, M. - Van Ranst, E.: Effect of the conservation agriculture on some Vertisol physical properties in semi-arid Morocco
11:45	12:00	Rusu, T. - Gus, P. - Bogdan, I. - Pop, A. - Moraru, P.: Minimum tillage systems and its effect on soil structure, humus conservation and water management
12:00	12:15	Ronczyk, L.: The effect of urban stormwater runoff on surface water quality in Pécs, Hungary
12:15	12:30	Rubio, C.M. - Josa, R. - Ferrer, R.: Thermal-hydrodynamic soil properties investigation in a fluvial fan soil profile
12:30	14:00	Lunch and Poster session II - Other land degradation processes – Salinization - Soil erosion
14:00	14:15	Grundy, M.J.: Task-specific soil and landscape information from soil survey
14:15	14:30	Pásztor, L. - Pálfai, I. - Bozán, Cs. - Körösparti, J. - Bakacsi, Zs. - Szabó, J.: Digital mapping of lowland excess water hazard
14:30	14:45	Baumann, J. - Rodríguez Morales, J.A. - Arellano Monterrosas, J.L.: The effect of rainfall, slope gradient and soil texture on hydrological processes in a tropical watershed
14:45	15:00	Stolte, J. - French, H.: Stormwater runoff under partially frozen conditions
15:00	15:15	Khaledian, H. - Shasoe, S.: Assessment of raindrops size distribution to natural precipitation in Kurdistan Province, Iran
15:15	15:30	Sun, H. - Liu, J. - Liu, J.: Water and soil conservation management and designing for the development and construction projects of China
15:30	16:00	Coffee break and Poster session III - Other land degradation processes – Salinization - Soil erosion

16:00	16:15	Eswarappa, G. - Shivamurthy, M. - Shashidhar, K.C.: Impact and constraints in the adoption of watershed development program - an analysis from South India
16:15	16:30	Nataraju, M.S. - Madhava, K.V.: Stakeholders participation in watershed management - A study of India
16:30	16:45	Yuan, Y.: λ -Frame dyke construction technique
16:45	17:00	Li, W. - Hao, X. - Bai, D.: Study on the change trend of runoff volume in the Hutubi River Basin, Xinjiang, China in recent 50 years
17:00	17:15	Houyou, Z. - Dellal, A. - Mouffok, B. - Boutemjet, A.: Etude de variations de quelques parametres physiques du sol et des rendements de cultures céréalières menées en sec et en irrigué dans une région semi aride d'Algérie
17:15	17:30	Al-Azaizeh, W.M.I.: Hydrogeology of the shallow aquifers at Wadi el-Ghussein, NE Jordan

Room 2

		Other land degradation processes – Salinization
9:00	9:30	Keynote: Várallyay, Gy.: Soil degradation processes and extreme moisture regime as environmental problems in the Carpathian Basin
9:30	9:45	Gabbasova, I.M. - Suleymanov, R.R.: Environmental effect of reservoirs accumulating highly mineralized oil-field waste waters
9:45	10:00	Fan, Y. – Lei, T. – Cai, Q.: The effects of wetting rate on aggregate stability in three soils
10:00	10:30	Coffee break and Poster session I - Other land degradation processes – Salinization - Soil erosion
10:30	10:45	Szabó, J. - Pásztor, L. - Bakacsi, Zs. - Dombos, M. - László, P.: Exploiting spatio-temporal features of Kreybig Digital Soil Information System for the identification of regional scale soil degradation processes
10:45	11:00	Montanari, R. - Carvalho, M.P. - Alves, M.C. - Paz González, A. - Dafonte Dafonte, J. - Siqueira, G.M.: Compaction state in a Brazilian Ferralsol with no tillage management
11:00	11:15	Pascual Aguilar, J.A. - Andreu, V. - Rubio, J.L.: The inventory, quantification and evaluation of soil sealing as a desertification process
11:15	11:30	Carmona, D.M. - Faz Cano, Á. - Arocena, J.M.: Salt efflorescences and leaching of heavy metals in acidified mined soils in SE Spain
11:30	11:45	Bradley, R. - Joannis, G. - Lebel, P. - Thiffault, N. - Preston, C.: Degradation of boreal forest soil fertility caused by the invasion of <i>Kalmia angustifolia</i> : a forest management problem
11:45	12:00	Nagaz, K. - Masmoudi, M.M. - Ben Mechlia, N.: Soil salinity and yield of drip-irrigated potato under different irrigation regimes with saline water in arid conditions of Southern Tunisia
12:00	12:15	Hatira, A. - Baccar, L. - Grira, M. - Benmansour, B. - Gallali, T.: Analyse de sensibilité du système oasien et mesures de sauvegarde de l'oasis de Metouia (Tunisie)
12:15	12:30	Kebede, F.: Secondary salinisation and arsenic threat in the irrigated fields of Mekelle Plateau of the northern Highlands of Ethiopia
12:30	14:00	Lunch and Poster session II - Other land degradation processes – Salinization - Soil erosion

14:00	14:15	Ahmad, H.R. - Ghafoor, A. - Aziz, A.: The effect of immobilization treatments on the plant availability and partitioning of cadmium chromium and lead in salt-affected soils
14:15	14:30	Letizia, A. - Coppola, E. - Leone, A.P. - Buondonno, A.: Irrigation with saline water induces aggregate dispersion in an arent
14:30	14:45	Mosaddeghi, M.R. - Khatar, M.: Influence of saline-sodic waters on pore characteristics and water availability of two Iranian soils
14:45	15:00	Wang, X. - Zhao, Q. - Hu, Y. - Zheng, Y. - Wu, X. - Wu, H. - Wu, J. - Cai, D.: Effects of irrigation and fertilization practices on cotton in coastal salinity-affected areas near the Bohai Sea in China
15:00	15:15	Dikinya, O. - Totolo, O.: Mixed sodium and calcium ions affects the permeability and ion exchange behaviour in saline-sodic soil
15:15	15:30	Normatov, I. - Nosirov, N. - Eshonkulova, Z.: Study of land degradation processes and possible rehabilitation methods in arid and semi-arid zones of Tajikistan
15:30	16:00	Coffee break and Poster session III - Other land degradation processes – Salinization - Soil erosion

17:00	19:00	ISCO Board meeting
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Room 3

Soil erosion		
9:00	9:15	Dabney, S.M. - Yoder, D.C. - Bingner, R.L. - Vieira, D.A.N.: Predicting runoff for a RUSLE 2 ephemeral gully calculator
9:15	9:30	Mahardhika, H. - Ghadiri, H. - Yu, B.: Effects of polyacrylamide and gypsum on soil erosion and sediment transport
9:30	9:45	Zhang, Q. - Qi, Q. - Zhou, D. - Guo, C.: Researches on regularities of water erosion in the mountain and hilly region of Jilin Province
9:45	10:00	Ghadiri, H. - Hussein, J. - Rose, C. - Yu, B.: Predicting vegetation buffer efficiency in reducing runoff transport of sediments and nutrients
10:00	10:30	Coffee break and Poster session I - Other land degradation processes – Salinization - Soil erosion
10:30	10:45	Arora, S.: Gully erosion in relation to land degradation in foothill region of Jammu, North India
10:45	11:00	Rao, L.: The Urban Soil Erosion Control: A review
11:00	11:15	Rouhipour, H. - Ghadiri, H. - Rose, C.W. - Yu, B.: A new methodology for velocity estimation in sheet and rilled overland flow using modified Manning's roughness coefficient
11:15	11:30	Stefanovic, M. - Milojevic, M. - Milovanovic, I.: Erosion process in ski centers of Serbia
11:30	11:45	Abedini, M.: Numerical analysis of soil erosion and sediment yield of Alaki Chay basin and proposing fundamental approach for optimal management (Iran-Northwest Azerbaijan)
11:45	12:00	Easai, H. - Soufi, M.: Classification of gully erosion based on morphoclimatic and soil characteristics in the Northeast of Iran, Golestan province
12:00	12:15	Smets, T. - Langhans, C. - Poesen, J.: Assessment of the impacts of natural geotextiles on concentrated flow hydraulics and erosion processes
12:15	12:30	Masri, Z. - Turkelboom, F. - Mohammad, M.A. - Ali, Y.M.: Natural Vegetation Strips (NVSs) and conservation tillage for stabilization soil erosion

		Lunch and Poster session II
12:30	14:00	- Other land degradation processes – Salinization - Soil erosion
14:00	14:15	Obando-Moncayo, F-H.: Management of soil erosion for sustainable crop production in the Central Andes of Colombia
14:15	14:30	Deasy, C. - Quinton, J. - Silgram, M. - Stevens, C. - Jackson, B. - Bailey, A.: Mitigation options for phosphorus and sediment (MOPS): tillage practices to reduce erosion from arable fields
14:30	14:45	Smetanová, A.: Contribution to the discussion on the origin of bright patches in loessic areas with Chernozems (Case study: selected part of the Trnavská pahorkatina Hill Land, Slovakia)
14:45	15:00	Mohammadi Torkashand, A.: Investigating and proposing a methodology for preparing erosion types map by using remote sensing and geographic information systems
15:00	15:15	Tcvetkova, E. - Mitova, T. - Koutev, V.: Soil erosion, carbon and nutrient elements leaching control by reduced tillage on Chromic Luvisol
15:15	15:30	Hurjui, C. - Nistor, D. - Petrovici, G.: The evolution of catchment gullies in Studinet and Simila watersheds, Eastern Romania, during the last 25 years
15:30	16:00	Coffee break and Poster session III - Other land degradation processes – Salinization - Soil erosion
16:00	16:15	McCool, D.K. - Qiu, H. - Dun, S. - Williams, J.D.: Succes of SPAW and WEPP in simulating accumulation and melt of snow
16:15	16:30	Zheng, F. - Wang, J. - Zhang, J.: Assessment on WEPP Model applicability to the Loess Plateau of China
16:30	16:45	Keizer, J.J. - Nunes, J.P. - Palacios, E. - Beekman, W. - Malvar, M.C.: Soil erosion modeling for two recently burnt eucalypt slopes: comparing MEFIDIS, MMF and USLE
16:45	17:00	Podhrázská, J. - Uhlířová, J. - Novotny, I.: Evaluation of efficiency of erosion control practices
17:00	17:15	Sharda, V.N. - Dhyani, B.L.: Assessment of potential soil erosion rates in India for optimal planning and utilization of natural resources

May 21, 2008

All day field trip to Lake Balaton catchment

- 7.30 Departure to Lake Balaton
- 10.15 Visit of the Experimental station of the SOWAP project, near Keszthely. Soil erosion, runoff and meteorological measurements on traditional and conservation plots
- 12.30 Lunch
- 14.30 Badacsony. Visit of the Institute of Viticulture. Introduction and field visit of soil conservation measures (terracing, mulching etc.). Presentation of the wine growing region and of the activities of the Institute
- 15.00 Badacsony. Wine tasting in the Institute of Viticulture. Panoramic view of the lake
- 16.30 Tagyon. Visit of the soil erosion field station of the National Soil Conservation Information and Monitoring Network
- 17.30 Departure for Budapest

May 22, 2008

Room 1

		Water management – Agronomy
9:00	9:15	Odunze, A.C. - Dim, L.A. - Heng, L.K.: Water supply and rainfed maize production in a semi-arid zone Alfisol of Nigeria
9:15	9:30	Wangkahart, T. - Pathak, P. - Wani, S.P. - Toomsan, B. - Idhipong, S. - Chauchin, S. - Seehaban, P. - Chueychoom, P.: Farm pond option in the Integrated Watershed Management Programme
9:30	9:45	Nasri, S.: Characteristics and hydrological effects of a cascade of benches on a semiarid hill slope in central Tunisia
9:45	10:00	Jalilian, A.H.: Groundwater flow modeling using visual modflow, a case study from southwest Iran
10:00	10:30	Coffee break and Poster session I - Soil erosion - Water management - Agronomy
		Desertification
10:30	11:00	Keynote: Imeson, A. - Herrick, J.: Concepts and tools for monitoring and managing desertification in different climates
11:00	11:15	Nearing, M.A.: Hydrologic, erosion, vegetation and weather interactions in landscape change: A case study from the Walnut Gulch Experimental Watershed
11:15	11:30	Kuhn, N.J.: Environmental transition in badlands: an analogue model for the impact of climate change on desertification?
11:30	11:45	Pariante, S. - Hanoch, L.: Ecogeomorphological spatial patterns as indicators of desertification in Mediterranean drylands
11:45	12:00	Beekman, G.: The Program to combat desertification and mitigate the effects of droughts in South America

12:00	12:15	Zegrar, A. - Lahcene, K.: Application of remote sensing with Alsat-1 data followed the desertification in the steppe of Algeria
12:15	12:30	Hessel, R. - Ritsema, C. - van den Elsen, E.: The DESIRE project: Desertification mitigation and remediation of land - a global approach for local solutions - the first year
12:30	14:00	Lunch and Poster session II - Soil erosion - Water management - Agronomy
14:00	14:15	Hongbo, J. - Ma, H.: Benchmark & indicators for desertification monitoring & assessment in Asia
14:15	14:30	Ahmadi, H. - Tahmoures, M.: Quantitative assessment of desertification by the desertification model in Tabas Area, Iran
14:30	14:45	Schnabel, S. - Lavado, F. - Gomez Gutiérrez, Á.: Soil degradation indicators for rangelands (Southwest Spain)
14:45	15:00	Montanarella, L. - Tóth, G.: Desertification in Europe
15:00	15:15	Schwilch, G. - Bachmann, F. - Gabathuler, E. - Liniger, H.: A methodology to appraise and select strategies to mitigate desertification based on stakeholders participation and global best practices
15:15	15:30	Sharma, C. - Parajuli, U.N.: Effect of desertification on livelihood of people in the Upper Mustang Region of Nepal
15:30	16:00	Coffee break and Poster session III - Soil erosion - Water management - Agronomy
16:00	16:15	Arzani, N.: Desertification intensified by the impact of human mismanagement on water resources in drylands; examples from Central Iran
16:15	16:30	Sun, C. – Hu, D.: Rehabilitation of rocky desertification in Southwest China

Room 2

		Soil rehabilitation and management
9:00	9:30	Keynote: Burghardt, W.: Intensions about Soil Conservation Service in the Soil Thematic Strategy of the European Commission
9:30	9:45	Lagomarsino, A. - Grego, S. - Marhan, S. - Moscatelli, M.C. - Kandeler, E.: Impact of tillage and fertilization practices on enzymatic activities in soil particle-size fractions
9:45	10:00	Bannari, A. - Benazzouz, S.M. - El-Harti, A. - El-Ghmari, A.: Use of GIS and geostatistical analysis for soil mapping
10:00	10:30	Coffee break and Poster session I - Soil erosion - Water management - Agronomy
10:30	10:45	Nagy, A. - Tamás, J.: Plant canopy classification methodology based on hyperspectral data cube on a polluted mining site
10:45	11:00	Lacatusu, R. - Lacatusu, A-R. - Breaban, I.G.: Evaluation and improving of urban soils fertility state
11:00	11:15	Acosta-Martinez, V. - Rowland, D. - Sorensen, R.B. - Yeater, K.M.: Microbial community structure and functionality under peanut based cropping systems in a sandy soil
11:15	11:30	Van Pelt, R.S. - Zobeck, T.M. - Acosta-Martinez, V.: Crop rotation and tillage effects on a thermic ustalf on the southern High Plains of Texas
11:30	11:45	Li, R. - Yang, Q. - Wen, Z. - Zhang, X. - Mu, X. - Gao, P. - Liu, Z. - Liu, W. - McVicar, T.R. - Tom, G.- Zhang, L. - Niel, V. - Li, L.: Regional impact of re-

		vegetation on water resources - A case study in the Loess Plateau
11:45	12:00	Aremenise, E. - Stellacci, A.M. - Calianro, A.: Study on soil management strategies enhancing crop production and soil conservation
12:00	12:15	Fernandez, M. - Castillejo, J.M. - Abad, S. - Castello, R.: Soil evolution on gypsum quarry rehabilitation influenced by the organic amendment rate
12:15	12:30	Alves, M.C. - Fernandes, R.C. - Suzuki, L.G.A.S. - Paz González, A.: Water infiltration in a deeply disturbed Oxisol as influenced by different Revegetation Systems
12:30	14:00	Lunch and Poster session II - Soil erosion - Water management - Agronomy
14:00	14:15	Panomtaranichagul, M. - Fullen, M.A. - Stahr, K. - Nareubal, S. - Peukrai, S. - Meetham, T.: An integrated (furrow-biogeotextile in alley cropping) cultivation system to improve the sustainability of rainfed highland agriculture in Thailand
14:15	14:30	Khaledian, M.R. - Mailhol, J.C. - Ruelle, P. - Forest, F. - Lahmar, R. - Rollin, D.: The impacts of direct seeding on soil and environment protection in the Mediterranean climate
14:30	14:45	Kumar, A. - Sharma, V. - Bali, A.S.: Soil rehabilitation and improvement in carrying capacity of alpine and sub-alpine pasture lands through agrostological interventions and weed management
14:45	15:00	Raus, L. - Ailincai, C. - Jitareanu, G.: The effect of different soil tillage systems on soil physical characteristics and crop yield of main crops from the Moldavian Plain, Romania
15:00	15:15	Golabi, M.H. - El-Swaify, S.A. - Iyekar, C. - Furasek, J.J.: An ecosystem approach for the rehabilitation and management of degraded lands of Southern Guam
15:15	15:30	Topa, D. - Raus, L. - Cara, M. - Jitareanu, G.: The influence of conventional and unconventional tillage systems on the physical properties of a Chambic Chernozem from the North-East of Romania
15:30	16:00	Coffee break and Poster session III - Soil erosion - Water management - Agronomy
16:00	16:15	Mamedov, A.I. - Shainberg, I. - Levy, G.J.: Soil infiltration and erosion as affected by Polyacrylamide Molecular Weight
16:15	16:30	Mrabet, R. - Essahat, A.: Tillage, cropping system and crop residue removal effect on aggregate stability of a Vertic Calcixeroll in semiarid Morocco
16:30	16:45	Bhattacharyya, A.K.: Management of soil contaminated with urban industrial toxic wastes of Wazirpur, Delhi

Room 3

		Legislative and institutional aspects of soil and water conservation
9:00	9:30	Keynote: Berveling, S.: Contaminated soil legislation - Necessary inclusions with examples showing their effectiveness
9:30	9:45	Nemes, A. - Timlin, D.J. - Quebedeaux, B. - Reddy, V.R.: Evaluation of the cropland modelling component of the U.S. national scale CEAP project
9:45	10:00	Grinlinton, D.: Integrating the normative principles of sustainability and the precautionary approach into water and soil conservation
10:00	10:30	Coffee break and Poster session I - Soil erosion - Water management - Agronomy

10:30	10:45	Shields, A.: Implications of the proposed European Soil Directive - from an Irish perspective
10:45	11:00	El-Swaify, S.A. - Jarjees, E.A.: Promoting sustainable agricultural systems in Northern Iraq through revitalized higher education and technology transfer
11:00	11:15	Zlatic, M. - Dragovic, N. - Tomicevic, J. - Todosijevic, M.: Contribution of the "World Overview of Conservation Approaches and Technologies - WOCAT" Programme to the Serbian practice and education
11:15	11:30	Atienza, R.: Legislative and institutional aspects of soil and water conservation: The Philippines Experience
11:30	11:45	Velasco Sayre, E. - Zayas Sayre, C.: The 'Accordion' approach to soil and water conservation: The case of the Water, Agroforestry, Nutrition and Development (WAND) project in Mindanao, the Philippines
11:45	12:00	Ying, W.: Quality of enforcement in the Implementation of Water and Soil Conservation Law
12:30	14:00	Lunch and Poster session II - Soil erosion - Water management - Agronomy

19:00	21:00	CONGRESS DINNER
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May 23, 2008

Room 1

		Socio-economic aspects of land degradation
9:00	9:30	Keynote: Fullen, M.: Towards an integrated approach to soil conservation
9:30	9:45	Sharma, S.K.: High rates of land degradation trouble in India
9:45	10:00	Nedelcu, L. - Tomescu, G. - Tuas, M.: Future of lands degraded by erosion in Romania
10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Desertification - Soil rehabilitation and management - Legislative and institutional aspects of soil and water conservation
10:30	10:45	Dilly, O. - Camilleri, M. - Dörrie, C. - Formosa, S. - Galea, R. - Hallenbarter, D. - Hasenauer, H. - Imrichová, Z. - Korzeniowska-Puculek, R. - Kowalik, M. - Koza, P. - Kräuchi, N. - Kull, A. - Łopatka, A. - Mander, Ü. - Moncada, S. - Oja, T. - Pudekko, R. - Putzhuber, F. - Rogaß, C. - Schneider, B.U. - Siebielec, G. - Stuczyński, T. - Hüttl, R.F.: Key sustainability issues and the spatial classification of sensitive regions in Europe
10:45	11:00	Poudel, A.: Mitigation of road construction induced land degradation effects on livelihood: A case of rural access programme Nepal
11:00	11:15	Stamm, V.: Millennium Challenge Corporation - a new actor on the African land policy scene
11:15	11:30	Im-Erb, R. - Sombatpanit, S.: Farmer's participation in water conservation program in the Northeast of Thailand
11:30	11:45	Wauters, E. - Mathijs, E.: A behavioural model for the adoption of soil conservation practices
11:45	12:00	Zhang, C. - Su, S.: Collective forest property right reform take great effects on watershed sustainable development management: a case of Nanping China
12:30	14:00	Lunch and Poster session II <ul style="list-style-type: none"> - Desertification - Soil rehabilitation and management - Legislative and institutional aspects of soil and water conservation
14:00	14:30	Closing ceremony

Room 2

		Soil rehabilitation and management
9:00	9:15	Dumitru, M.: Agricultural recultivation of sterile dumps resulted from surface mining within Rovinari Lignite Bearing Basin
9:15	9:30	Shivamurthy, M. - Hittalmani, S.: Sustainability of irrigated and tank-fed rice farming ecosystems in South India
9:30	9:45	Jiao, J. - Bai, W.: The potential for vegetation restoration from soil seed bank in abandoned croplands on the hilly-gullied Loess Plateau, China
9:45	10:00	Ahmady, T. - Sheikhlisami, A.: Determination of soil physical and chemical properties in pure stands of oak (<i>Quercus Cataneifolia</i>) in Galandroud forest (North of Iran)
10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Desertification - Soil rehabilitation and management - Legislative and institutional aspects of soil and water conservation

Room 3

Special session on the soil and water conservation of China		
9:00	9:30	Keynote: Li, R.: Opportunities and Challengers of Basic Research on Soil and Water Conservation in China
9:30	9:45	Xie, B. - Yu, X. - Zhang, Z. - Zhang, Y.: Rainfall - sheet flow hydrodynamic model on sloping land
9:45	10:00	Yu, X. - Qin, F. - Zhang, X. - Zhang, Z.: Impact of forest variation on the runoff of watershed in the loess hilly-gully region of China
10:00	10:30	Coffee break and Poster session I <ul style="list-style-type: none"> - Desertification - Soil rehabilitation and management - Legislative and institutional aspects of soil and water conservation
10:30	10:45	Xu, X. - Li, S. - Lei, J. - Li, B. - Wang, X.: The preliminary study on the characteristics of the layer of salt crust in forests irrigated with saline water in mobile desert
10:45	11:00	Liu, J. - Liu, J. - Sun, H.: Research of sediment yield statistical model for single rainstorm in Chabagou drainage basin
11:00	11:15	Yang, J. - Zuo, C.: Study of surface runoff yield and simulation of model on slope of red soil
11:15	11:30	Li, S. - Lei, J. - Xu, X.: Research on features of sandstorms in the Hinterland of Taklimakan desert - A case of Tazhong Area
11:30	11:45	Li, T. - Wang, G. - He, L.: Analysis on the response of soil erosion and sediment yield to the temporal variation of the precipitation on the Loess Plateau, China
11:45	12:00	Liu, R.: Slope disintegration and its control in South China
12:00	12:15	Hu, M. - Wang, R. - Meng, Q. - Wei, H.: Symbiosis of landslides, debris flows and rainfalls in Jiangjia Ravine
12:30	14:00	Lunch and Poster session II <ul style="list-style-type: none"> - Desertification - Soil rehabilitation and management - Legislative and institutional aspects of soil and water conservation

– Poster sessions –

May 19, 2008

Climate change and environmental sensitivity

1	Makovníková, J. - Baranciková, G.: Approach to assessment of transport risk of inorganic pollutants on the basis of immobilisation capability of soil
2	Pásztor, L. - Szabó, J. - Bakacsi, Zs.: Identification of nitrate vulnerable zones applying functional soil mapping
3	Colotti, E. - Aguilar, V. - Blanco, A.: Approach to the analysis of extreme events as evidence of climatic change
4	Kovács, F.: Evaluation of landscape changes using GIS methods with special regard to aridification
5	Achite, M. - Ouillon, S.: Impact des fluctuations hydroclimatiques sur le transport solide en zone semi aride. Cas du bassin versant de l'Oued Haddad, Algérie (1970-2000)
6	Wang, W. - Chen, X. - Guo, L. - Xiong, B. - Fu, B.: Isolation, screening and characteristics of hydrogen-oxidizing bacteria in legume
7	Brahim, N. - Gallali, T.: Flux of carbon dioxide and storage of the carbon by soils: inventory in Tunisia / Flux de gaz carbonique et stockage du carbone par les sols: inventaire au niveau de la Tunisie

Land use change

8	Jiménez, C. - Tejedor, M. - Neris, J. - Fuentes, J.: Influence of the change in land use on the soil water properties of Andisols (Tenerife, Canary Island, Spain)
9	Bueno, C.R.P. - Arraes, C.L. - Tarlé Pissarra, T.C.: Remote sensing analysis of land cover with sugar cane applied to the environmental studies in northeast of Sao Paulo state, Brazil
10	Moraes, M.H. - Lopes Müller, M.M.: Effects of long-term monoculture on aggregate stability of soils in the Sao Paulo State, Brazil
11	Zegrar, A.: Forest fires impact in semi arid lands in Algeria, analysis and followed of desertification by using remote sensing and GIS
12	Ahmady, T.: The effect of the change of the usage of forest lands on the physical and chemical specification of the forests soils in the north of Iran
13	Lagomarsino, A. - Marinari, S. - Moscatelli, M.C. - Grego, S.: The influence of different land use on soil biochemical properties in Mediterranean environment: preliminary results
14	Pottyondy, Á. - Centeri, Cs. - Vona, M. - Penksza, K.: The effects of land use change on the erosion in the Pannonhalma World Heritage Site (Comparison of soil properties on slopes under different land use forms)
15	Herczeg, E. - Balogh, Á. - Nagy, A. - Vona, M. - Malatinszky, Á. - Centeri, Cs. - Penksza, K.: Studies on connections between soils, vegetation, management and eorsion in human influenced grasslands of the northern Hungarian mountain range
16	Demény, K. - Jakab, G. - Centeri, Cs.: The role of land use change on water erosion in the Gödöllő Hillside
17	Banov, M. - Georgiev, B. - Vacca, S. - Capra, G.F.: Land evaluation for agricultural purposes - Bulgarian System General principles
18	Tejedor, M. - Jiménez, C. - Fuentes, J. - Neris, J. - Hernández-Moreno, J.M.: Introducing irrigation in the dry farming systems of Lanzarote (Canary Island, Spain): Impact on Tephra-mulched soils
19	Song, F.: Study on the ecological agriculture mode with high effectiveness - A case study of Shengshui Town in Liuhe County of Jilin Province, China

20	Haboudane, D. - Bahri, E.M.: Cedar forest decline in the Moroccan Middle-Atlas Mountains: Deforestation detection and monitoring using satellite imagery
21	Burton, J. - Chen, C. - Xu, Z. - Ghadiri, H.: Soil nitrogen dynamics under adjacent native forest and hoop pine plantations of subtropical Australia

Soil erosion

22	Yusefifard, M. - Jalalian, A. - Khademi, H. - Ayoubi, S.: The Study of Soil and Sediment Quality Indicators in Different Land Uses of North Karun Watershed (Cheshmeh Ali)
23	Hurjui, C. - Nistor, D. - Popa, N. - Petrovici, G.: Rill and interrill erosion measurements in Tarnii Valley, Eastern Romania, after historical rainstorm events in September, 2007
24	McCool, D.K. - Wu, J.Q. - Greer, R.C. - Dun, S. - Singh, P.: Current water erosion studies at Pullman, WA, USA
25	Movahhed, F.B. - Nikkami, D. - Shami, H. - Khalafi, J.: Impact of plough direction on soil loss and runoff in the rainfed area in Iran
26	Riezni, E.A. - Cabanela, P.: Interrill erosion selectivity and enrichment rate changes produced with low slope gradient
27	Liu, C.: Landslide hazards and national mitigation strategy in China
28	Mortezaii, F.G. - Ahmadi, H.: Assessment of impacts some of physicochemical characteristics of soil on longitudinal development of gullies (gully erosion)
29	Pierson, F.B. - Kormos, P.R. - Williams, C.J.: Vegetation and groundcover influences on hydrology and erosion in Pinyon and Juniper woodland communities
30	Aboutaher, A. - Bouhlassa, S.: Approche magnétique de caractérisation et quantification de la perte en sol
31	Kessaissia, A. - Mahieddine, M. - Hamoudi, A. - Laribi, G.: Application of cactus line in reducing and control runoff in a small watershed situated in the North West of Algiers (Mediterranean climate)
32	Sharma, S.K.: Problem of soil erosion in Uttarakhand Himalayas, India

May 20, 2008

Other land degradation processes - Salinization

33	Pásztor, L. - Szabó, J. - Bakacsi, Zs.: Regionalization of soil degradation processes in Hungary
34	Toboada-Castro, M.M. - Rodríguez-Blanco, M.L. - Taboada-Castro, M.T.: Crust development on a tilled sandy loam soil under natural rainfalls in northwestern Spain
35	Paz-Ferreiro, J.: Fractal analysis of pore size distributions of a tilled surface and its crusted counterpart
36	Mosaddeghi, M.R. - Khazaei, A. - Mahboubi, A.A.: Dispersive clay of selected Hamadan soils: Role of organic matter content and intrinsic properties
37	Mosaddeghi, M.R. - Mahboubi, A.A. - Khazaei, A.: On the stability and relative slaking indices of some soils from Hamadan, West of Iran
38	Khaksar, K. - Haghighi, S.: Investigation on soil conservation and soil stability with geogrid in the arid and semi arid area (Varamin-Iran)
39	Tavili, A. - Jafari, M.: Do cryptogams conserve the soil? A case study in Iran using LFA method
40	Tavakol, M.H. - Tavakol, E.: Preliminary studies on soil ingredient and plant foliar chemistry of two ultramafic sites in west Iran
41	Risnoveanu, I. - Raducu, D. - Manea, A.: Land degradation processes in Ciuc Depression
42	Lopez-Fando, C. - Pardo, M.T.: Changes in soil carbon storage in long-term rotation and tillage trials in Central Spain
43	Touma, J.: Combining rain simulation and single ring infiltration test to determine the hydraulic resistance of a surface crust

44	Bannari, A. - Guedon, A.M. - El-Harti, A. - Farhi, M. - Amediatz, R. - El-Ghmari, A.: Remote sensing of slight and moderate saline and sodic soils
45	Afzali, S.F. - Shariatmadari, H. - Hajabbasi, M.A.: Salinity effects on growth and Na accumulation in medical plant <i>Matricaria Chamomilla</i>
46	Karimi, R. - Jalalian, A. - Karimain Eghbal, M.: Landslide hazard in central Zagros region in Iran
47	Manzoor, W.: Genetic variability for salt tolerance within different geographic location of wheat (<i>Triticum aestivum</i> L.)
48	Filipov, F. - Bulgariu, D.: The influence of intensive horticultural plants cultivation on degradation of Hortic Anthrosols properties from in greenhouse of Copou - Iassy
49	Surya, J.N. - Sidhu, G.S. - Lal, T. - Sharma, J.P.: Macro and micro level soil resource mapping for soil erosion assessment and conservation in Shiwalik region of Himalayas, India

Soil erosion

50	Rodríguez-Blanco, M.L. - Taboada-Castro, M.M. - Taboada-Castro, M.T. - Oropeza Mota, J.L.: Suspended sediments-discharge hysteresis during rainfall events in a small headwater catchment in the NW Spain
51	An, S. - Zheng, F. - Zhang, F. - Van Pelt, S.: Soil quality degradation processes along a deforestation chronosequence in the Ziwuling Area, China
52	Taboada-Castro, M.M. - Rodríguez-Blanco, M.L. - Diéguez-Villar, A. - Taboada-Castro, M.T.: Rills and ephemeral gullies development during an extreme rainfall period in agricultural lands (NW Spain)
53	Yuan, Y. - Hu, Q.: Study on soil erosion factors in Shanxi Province, China
54	Abedini, M.: Numerical analysis of hydro-geomorphologic and environmental potentials of touristy Ormieh Lake basin and shoreline for land planning (North West of Iran)
55	Karimi, H. - Askari, M.O.A. - Badahang, K.: Using GIS and MPSIAC model to estimate sedimentation and produce erosion map in Rakaat Catchments of Karoun 3 Dam of Khouzestan Province, Iran
56	Khaledian, H. - Shahoe, S.: Relation of Cs-137 fallout with annual precipitation in Northwestern Iran
57	Mirisoliman, J. - Fakhireh, A. - Reza Rashki, A.: Mapping of wind erosion threshold velocity using the W.E.Meter and geostatistical technique (A case study Sistan plan)
58	Attia, R. - Mansouri, T. - Collinet, J. - Zante, P. - Dridi, B. - Agrebaoui, S.: Modeling of sheet erosion in Fidh Ali Watershed (Tunisia)
59	Poreba, G.J. - Bluszcz, A.: Study of soil erosion in the small loess agricultural catchment in the light of ¹³⁷ Cs measurement
60	Ritchie, J.C. - Pedone, P. - Smith, C.: Determining sediment sources in the Hanalei River Watershed, Kaua'i, Hawaii
61	Sivanpillai, R. - Thurow, T.L.: Hazard management lesson learned through mapping and assessing landslides triggered by Hurricane Mitch
62	Smets, T. - Poesen, J.: Impacts of soil pre-treatment on the effectiveness of natural geotextiles in reducing runoff and soil loss by interrill and concentrated flow erosion processes
63	Lazarov, A. - Tsvetkova, E. - Nekova, D.: Pilot object for soil erosion protection land use in South-East Bulgaria
64	Tarafdar, P.K.: Evaluation of soil erodibility under various topographies and vegetations in different agro ecological regions of West Bengal, India
65	Ramezanpour, H. - Smaeilnejad, L.: Study of relationship between different type of erosion and soil properties of marls in Southern Guilan Province, Iran
66	Abdallah, C.: Exploratory GIS & remote sensing analysis for the development of statistical correlations between environmental parameters and mass movements' occurrence

67	Ailincăi, C. - Jitoreanu, G. - Bucur, D. - Topa, D. - Ailincăi, D. - Mercus, Ad.: Effects of cropping systems and crop residues on water runoff, soil erosion and nutrient loss in the Moldavian Plateau, Romania
68	Brodbeck, M. - Konz, N. - Alewell, C.: Isotopic tracers for erosion measurement in an alpine catchment (Urseren Valley, Switzerland)

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Soil erosion

69	Novotny, I. - Uhlirova, J. - Pirkova, I.: Soil conservation and GIS in the Czech Republic
70	Soufi, M. - Eesai, H.: Relationships between gully characteristics and sediment production in the Northeast of Iran, Golestan province
71	Soliemanpour, S.M. - Soufi, M. - Ahmadi, H.: Sediment production by gully erosion in the south west of Iran, Fars province
72	Sadeghi, S.H.R. - Noormohammadi, F. - Soufi, M.: Estimating sediment yield from gully erosion using easily measurable morphometric characteristics in Darehshahr region, South of I.R. Iran
73	Mehdipour, A. - Soufi, M. - Baniasadi, M.: Comparison of mechanical alternatives for gully development mitigation - Case study: Kerman Province, Southeast of I.R. Iran
74	Mohammadi Torkashvand, A.: GIS: Some models for preparing erosion features map
75	Gristina, L. - Poma, I. - Saladino, S.: Alternative soil management techniques in Sicilian vineyard for soil organic matter recovering

Water management - Agronomy

76	Jakab, G.: Short and long term changes in soil moisture content
77	Campbell, C. - Campbell, G. - Cobos, D. - Bissey, L.: Advances in determining soil matric potential using an engineered porous ceramic and dielectric permittivity
78	Cheng, Y.: Mechanism of water resources conservation and recharge of forest and its ecological function value evaluation in Jinyun Mountain, China
79	Abraham, B. - Senila, M. - Levei, E.A. - Roman, C. - Incze, A-M. - Cordos, E.: Underground water pollution with heavy metals in Certej mining basin
80	Jabro, J.D. - Sainju, U.M. - Evans, R.G.: Long-term tillage frequency effects on dryland soil physical and hydraulic properties
81	Wang, X. - Cai, D. - Hoogmoed, W.B. - Perdok, U.D. - Oenema, O.: Increasing water use efficiency for dryland maize in China by improved nutrient management practices
82	Eswarappa, G. - Shivamurthy, M. - Gangadharappa, N.R.: Improving the efficiency of irrigation water in command areas by increasing the performance of Water Users Association
83	Bergaoui, M.: Gestion durable des ressources en eau et en sol
84	Cheng, D. - Cai, C. - Peng, Y.: Soil water and physical properties response to contour Hedgerow system on slope land of purple soil (Inceptisols)
85	Dakak, H. - Benmohammadi, A. - Soudi, B. - Bnezakour, M. - Chiang, C.N.: Évaluation de risque de contamination nitrique des eaux souterraines: Utilisation de la simulation mathématique et de l'approche lysimétrique
86	Loza, I. - Pakhomov, O.: The experience of degraded soil management in steppe zone of Ukraine
87	Jabro, J.D. - Evans, R.G. - Jabro, A.D. - Leib, B.G.: Estimating soil water content using capacitance sensors: Annual site calibration equations and comparison
88	Alavi Panah, S.K.: Using thermal remote sensing data to surface and subsurfaces soil properties

89	Fernandez Galvez, J. – Campos Fernández-Fígares, E. – Mingorance, D.: Spatial distribution of trace elements and impact on groundwater in a basin of calcareous Mediterranean soils
90	Dim, L.A. - Odunze, A.C. - Heng, L.K. - Ajuji, S.: Plant water demand characteristics in the Alfisol, Zaria Nigeria
91	Rodríguez-Blanco, M.L.- Taboada-Castro, M.M. - Arias-Miguélez, R. - Palleiro-Suárez, L. - Toboada-Castro, M.T.: Metal concentration versus water discharge during single hydrologic events in a small stream (NW Spain)
92	Toboada-Castro, M.M. - Rodríguez-Blanco, M.L. - Taboada-Castro, M.T.: The role of different soil management on the distribution of heavy metals in surface waters
93	Santos, T.E.B. - Afr, O. - Cassioloto, A.R.M. - Paz-Ferreiro, J.: Tillage system and water management effects on soil respiration and microbial biomass under upland rice in Brazil
94	Khoshnavan, H.: Caspian sea beach sediment erosion vulnerability degree comparison along the warm and cold period
95	Nasri, H. - Bouaicha, N.: Etude comparative in situ de genre <i>Microcystis</i> entre le lac Oubeira et le barrage Cheffia "Est Algérien" et la mise en culture in vitro dumorphotype <i>Mirosystis</i> sp. Du barrage Cheffia
96	Antunes, C.R. - Coutinho, M.A.: Water management for golf courses
97	Soracco, C.G. - Filgueira, R.R. - Sarli, G.O. - Fournier, L.L. - Gelati, P.R.: Effect of soil loosening on movement of water in no tillage system
98	Kauer, K. - Köster, T. - Raave, H. - Selge, A. - Viiralt, R.: Grass mulching effect on soil moisture in different swards and fertilization rates
99	Senila, M. - Levei, E.A. - Miclean, M. - Roman, C. - Abraham, B. - Cordos, E.: The influences of the mining activities on surface, underground water and river sediments in Crisul Alb catchments
100	Levei, E.A. - Senila, M. - Miclean, M. - Roman, C. - Abraham, B. - Cordos, E.: Surface water pollution with heavy metals in Baia Mare mining basin
101	Ben Zaied, M. - Ouessar, M.: La modélisation hydrologique pour l'évaluation des impacts des aménagement CES sur le bilan hydrique
102	Ezzahiri, M. - Khattabi, A. - Kanoni, K.: Gestion intégrée des ressources hydriques au niveau du Rif occidental (Cas du bassin versant de Tahaddart)

Other land degradation processes - Salinization

103	Capra, G.F. - Vacca, S. - De Riso, S. - Buondonno, A. - Coppola, E. - Cabula, E.: Soil degradation as a cause of brushwood clear-cutting and grazing in Mediterranean forests
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Desertification

104	Mahmoudi Mianabad, E. - Forouzeh, M.R.: Floodwater speading for carbon sequestration in deserts
105	Rahbar, G. - Kowsar, S.A. - Rowshandel, L.: Sowbug (<i>Hemilepistus shirazi</i> Schuttz): The crust boring crustacean that sustains a desertification control project
106	Houyou, Z. - Brahimi, S. - Belmadani, W. - Dellal, A. - Boutmedjet, A.: Contribution a un inventaire des populations et organismes d'un sol steppique non cultivé
107	Zegrar, A.: Land degradation in Algerian Steppe, analysis of desertification indicators by using remote sensing and GIS
108	Zehtabian, G.R. - Azadnia, F. - Khosravi, H.: Investigation on soil and water indices for desertification assessment in Dehloran of Iran
109	Soufi, M. - Davoodi, A.A.: Comparison of gully erosion in two different climatic and land use conditions in the Central Iran, Markazi province

Soil rehabilitation and management

110	Jabro, J.D. - Jabro, A.D. - Domalski, R.: The complexities of discussing soil vapor extraction techniques with non-scientists
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