

ICOSS'2018: INTERNATIONAL CONFERENCE ON SOIL SCIENCES
REMOTE SENSING FOR SUSTAINABLE SOIL MANAGEMENT

17 - 19TH MARCH 2018, HAMMAMET, TUNISIA

HEURE	SUJET	INTERVENANT / PAYS
SAMEDI 17 MARS		
10h 00 – 12h30	Arrivée des participants. Ouverture de l'enregistrement à l'hôtel.	
12 h30 – 14h00	Déjeuner	
14h00 – 15h15	Enregistrement	
15h15- 15h45	Cérémonie d'Ouverture <ul style="list-style-type: none"> • Allocution du Directeur Général du CNCT • Allocution de Monsieur Michael Hage, représentant de la FAO en Tunisie • Allocution de Monsieur le Ministre de la Défense Nationale Invités : <ul style="list-style-type: none"> • Monsieur le Secrétaire d'Etat Chargé de la Recherche Scientifique 	
15h45- 16h15	<ul style="list-style-type: none"> • Photo de groupe • Pause-café 	
16h15- 17h30	<ul style="list-style-type: none"> • Intervention du colonel Zouhaier ben Rabah, président de la conférence • Intervention de Dr. Haris Kontoes coordinateur GEO-CRADLE, Grèce • Intervention du représentant de la DGAFTA/Ministère de l'agriculture • Intervention de Prof. Jörg Matschullat, directeur du centre écologique, Freiberg 	
DIMANCHE 18 MARS		
09h00- 09h30	keynote speaker: Marc LENNON	
THEME 1 : GEOMATICS		
4 communications orales (salle 1)		
Chairman: Basel SOLAIMAN		
09h30- 10h30	Asma FEJJARI, Karim SAHEB ETTABAA, Ouajdi KORBAA	"Improved Modified Schroedinger Eigenmap Projections Algorithm for Hyperspectral Imagery Classification"
	Mahmoud Yassine CHTOUROU, Moncef BOUAZIZ, Samir BOUAZIZ, Sarra HIHI, Sascha MESZNER	"Mapping soil properties in South of Tunisia: An integrated application of multispectral data and ground-truth measurements"
	Maissa HAMOUDA, Karim SAHEB ETTABAA, Med Salim BOUHLEL	"Adaptive selection of kernels and block extraction sizes, based on convolutional neural networks for hyperspectral image classification"
	Rania ZAATOUR, Sonia BOUZIDI, Ezzeddine ZAGROUBA	"Extended MultiAttribute Profiles for Land Cover Change Detection in Hyperspectral Images"
THEME 2 : PEDOGENESIS		
4 communications orales (salle 2)		
Chairman: Mohamed MOUSSA		
09h30- 10h30	Tano Assiala BLANDINE, Tra Bi Zamble ARMAND	"Dynamics of landuse and water erosion risk in a forest-savanna transition zone, Bouaké commune (Ivory Coast)"

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	Marouane MKHININI, Iteb BOUGHATTAS, Hamadi BOUSSETTA, Vanessa ALPHONSE, Alexandre LIVET, Stephanie GIUSTI-MILLER, Mohammed BANNI, Nouredine BOUSSERHINE	"Impact of 20 years of Treated wastewater irrigation on physicochemical and microbial properties of agricultural soils: Case of study (Ouardenin Perimeter: Monastir governorate).
	Iteb BOUGHATTAS, Sabrine HATTAB, Nourreddine BOUSSERHINE, Mohamed BANNI	"Optimisation of physicochemical properties of Tunisian mine soils using earthworms Eisenia andrei"
	Fatma LANOUAR, Iteb BOUGHATTAS, hamadi BOUSSETTA, Vanessa ALPHONSE, Alex LIVET, Mohamed BANNI, Nourreddine BOUSSERRHINE	"The impact of Aloe latex containing aloin on soil microbial communities in the absence and presence of earthworm Eisenia Andrei
10h30-11h00	Pause-café	
11h00-11h30	keynote speaker: Ali KHENCHEF	
THÈME 3 :		
IDENTIFICATION AND CHARACTERIZATION OF SOIL		
4 communications orales (salle 1)		
	Chairman: Mohamed GURIRA	
11h30-12h30	Thierry Philippe GUETY, Bolou Emile BOLOU BI, Brahim KONE	" Evaluation des ETM dans les sols et les organes végétaux de quelques cultures péri urbaines à Abidjan, Cote d'ivoire "
	Yahya EL IDRISSE, Bouamar BAGHDAD, Mohamed ELAZZOUI, Habib AZZOUI	"Assessment Contamination by Trace Element in Kenitra Region - Morocco "
	Nissaf KARBOUT, Mohamed MOUSSA, Mohamed JAOUED, Habib BOUSNINA	"Effect of Nefzaoua oasis degradation in livelihood and food security: farmer's perception"
	Abdessatar HATIRA	" Natural and anthropogenic risks of the degradation of the soil resources and environmental pollution – case studies in Tunisia"
THEME 4 : SOIL MANAGEMENT		
5 communications orales (salle 2)		
	Chairman: Abdelmalek TOUMI	
11h30-12h30	Farida Joumade MANSOURI, Kalthoum SIFAOU, Hedi HAMROUNI	"Tunisia Digital Soil Organic Carbon Mapping"
	Radhia MANSOUR, Mourad EL KOUNDI, Abdesslem EL GHALI	"Spatial analysis and digital mapping of hydraulic erosion risk in north-western Tunisia by the application of GIS/RUSLE approach: Example of Tessa and Mellegue basins"
	Kaouther ARDHAOU, Mohamed MOUSSA	"Combined Effects Of Phosphogypsum, Biochar and Compost On Soil And Rain Water Incubated and On Soil Respiration"
	Nessrine ZEMNI, Fairouz SLAMA, Fethi BOUKSILA, Rachida BOUHLILA	"Data collection and modelling of water and heat transport in an irrigated soil"

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	Khaoula ABROUGUI, Chiheb KHEMIS, Hassina Hafida BOUKHALFA, Sofiene OULED TALEB, Mahmoud Elyes HAMZA, Sayed CHEHAIBI	"Modeling the impact of conventional and conservation tillage techniques on soil microbial activity by artificial neural networks"
12h30-14h00	Repas	
14h00-14h30	keynote speaker: Nikolaos TSAKIRIDIS	
THEME 1 : IDENTIFICATION AND CHARACTERIZATION OF SOIL		
4 communications orales (salle 1)		
Chairman: Amor MTIMET		
14h30-15h30	ABDI Fatima Zohra, BAAFOU Ouhiba, TADJEDDINE Nadia	"Characterization of the soils of Algerian steppes (region El Bayadh case): Microbiological and Physicochemical study"
	Latifa HAMOUDI, L'Hadi NOURI, Mohamed KHODJA, Leila BEN DIFALLAH, Safia HAMOUDI, Khaled BELKACEMI	"Bioremediation of Crude Oil-Contaminated Soil by Bioaugmentation with <i>Yarrowialypolitica</i> under laboratory scale Lanfarming Technique"
	BOUJILA Abdelhakim, AJJARI Afef, OMAR Zohra	"Estimation and prediction of wind erodible fraction in soils of arid regions of Tunisia.
	Selma BEN SALEM, Khawla ABROUGUI, Karim GABSI, Roua AMAMI, Chihab KHEMIS, Sayed CHEHAIBI	"Soil resistance and soil permeability as influenced by mechanical aeration on the turf soil"
THEME 2 : PEDOGENESIS		
5 communications orales (salle 2)		
Chairman: Haris KONTOES		
14h30-15h30	Ikbel ZOUAOUI, Foued HASNAOUI, Chaabane ABBES, Brahim HASNAOUI, Samira ASHI- SMITI	"Effect of soil moisture and temperature on carbon mineralization"
	Mohamed SAAD, Mohamed MASMOUDI, Servanne CHEVAILLIER, Benoit LAURENT, Sandra LAFON, Stephane Alfaro C. C. Alfaro	"Variability of the elemental composition of airborne mineral dust along the coast of Central Tunisia"
	Sophie VON FROMM, Jörg MATSCHULLAT, Gilvan COIMBRA Martins, EcoRespira-Amazon project team	"Soil respiration (CO ₂ , CH ₄ and N ₂ O) in the Amazon Basin, Brazil"
	Wael TOUKEBRI, Dorsaf HLEL, Nouha FERCHICCHI, Mouhamed JADLAOUI, Oussema KHIRIJI, Ridha MHAMDI, Darine TRABELSI	"Effects of intercropping and bacterial inoculation on soil fertility and crop productivity of durum wheat"
	Boumaraf Belkacem, Saad ilnesse, Alain Marre, Bensaid Rabah	"The Spatial Distribution Of Pedogenetics Of Saharan Soils Processes (Algerian Sahara North East)"
15h30-16h00	Pause-café	
16h00-16h30	Keynote speaker: Basel SOULAIMEN	
THEME 3 : GEOMATICS		
4 communications orales (salle 1)		
Chairman: Colonel Abderrazek BELGUITH		

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16h30-17h30	SMAIL Megdouda, BOUBAKER Zoubir	Application de la classification supervisée pour l'étude d'un milieu naturel cas de la vallée Basse Soummam de l'Algérie
	Ines Soltani, Youssef Fouad, Didier Michot, Pascale Breger, Remy Dubois, Pascal Pichelin, Christophe Cudennec	A new soil spectral index to assess effect of soil tillage on soil water content
	Lotfi Dridi, Manel Boughanmi, Nouha Jridi, Gerhard Schäfer, Rajouene Majdoub	"Integrated remote sensing and GIS for assessment of groundwater pumping for irrigation in the plain of SidiBouزيد (Central Tunisia)"
	Haithem Bahri, Mohamed Annabi, Hazem Vherin, Taoufik Hermassi, Amir soussi, Hatem Vheik Mohamed, Roukaya Chibani	"Spatial distribution of soil organic carbon in Tunisia"
THEME 4 : SOIL MANAGEMENT		
3 communications orales (salle 2)		
Chairman: Samir BOUAZIZ		
16h30-17h30	Ahlem TLILI, Imene DRIDI, Rafla ATTAYA, Moncef GUEDDARI	Boron distribution in the different particle-size fractions of a Tunisian Fluvisol
	Fatima ZohraTEBBI	"Beni Haroun Reservoir Sedimentation Assessment by Remote Sensing"
	Patrick Pizette, Mourad Benzina	"Technical characterization and potential use of Tunisian clay in ceramic industry"
17h30-18h30	Session de posters	
LUNDI 19 MARS		
keynote speaker : Nabil KHELIFI		
09h00 – 10h00	<ul style="list-style-type: none"> • CLOSING PLENARY on remote sensing for sustainable soil management • Prize award ceremony. 	
10h00 – 11h00	Reporting et closing ceremony of ICOSS2018	