



GLOBAL ENVIRONMENTAL CHANGE AND HUMAN SECURITY (GECS2012)

*The Need for a New vision for Science,
Policy and Leadership*

22-24 November 2012

Ryad Mogador Menara Hotel & Spa, Marrakech (Morocco)



GECS2012 PROGRAM

PROGRAM AT GLANCE

WEDNESDAY, NOVEMBER 21 | MERCREDI 21 NOVEMBRE

16h00-23h00: On-site Registration | Inscription sur le lieu du Congrès (Location/Lieu: Ryad Mogador Menara & Spa Hotel)

THURSDAY, NOVEMBER 22 | JEUDI 22 NOVEMBRE

7h30-8h45: On-site Registration | Inscription sur le lieu du Congrès (Location/Lieu: Ryad Mogador Menara & Spa Hotel)

9h00-9h45: Inaugural Ceremony
9h50-11h20: Plenary Session I
11h20- 11h40: Coffee Break and Refreshments
11h45-12h45: Simultaneous Technical Sessions (I, II)
13h00-14h15: Lunchtime (*only for registered delegates*)

14h30-15h45: Plenary Session II
15h50-16h50: Simultaneous Technical Sessions (III, IV, V)
16h50-17h10: Coffee Break and Refreshments
17h15-18h30: Concurrent Technical Sessions (VI, VII, VIII)

FRIDAY, NOVEMBER 23 | VENDREDI 23 NOVEMBRE

9h00-10h00: Roundtable I
10h00-11h15: Plenary Session III
11h20-11h50: Coffee Break and Refreshments
11h20-11h50: Poster Session I
11h55-13h00: Simultaneous Technical Sessions (IX, X)
13h00-14h15: Lunchtime (*only for registered delegates*)

14h30-15h45: Plenary Session IV
16h00-16h30: Coffee Break and Refreshments
16h00-16h30: Poster Session II
16h35-17h35: Roundtable II
17h40-18h40: Plenary Session V

SATURDAY, NOVEMBER 24 | SAMEDI 24 NOVEMBRE

9h00-10h30: Plenary Session VI
10h30-10h50: Coffee Break and Refreshments
10h50-00h15: Roundtable
12h30-14h00: Lunchtime (*only for registered delegates*)

14h15-16h00: Concluding Sessions
Synthesis Report and Recommendations
19h00-0:00: Gala Dinner (*only for registered delegates*)

GECS2012 SCIENTIFIC BOARD

Dr. Mohamed Behnassi	Associate Professor, Faculty of Law, Economics and Social sciences, Ibn Zohr University of Agadir and Director of NRCS, Morocco
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Senior Scientist, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) / Technical Manager of NRCS

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Technical Assistant (Master Student of International Relations/ European Union Studies, Universiteit Leiden, The Netherlands)

Technical Assistant (University Professor, Hassan II University of Casablanca, Morocco)

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Department Of Environment, Ministry of Energy, Mines, Water and Environment, Morocco

National Council for Climate Change, Sustainable Development and Leadership (NCCSD), India

PARTNERS

International Center for Biosaline Agriculture (ICBA), UAE

National College of Agriculture (ENA) of Meknes, Morocco

INAUGURAL CEREMONY

Thursday, 22 November, 2012 | 9h00-9h45 | *Conference Room: Mazagan*

Opening Speeches:

Dr. Mohamed Behnassi, *Conference Chair, Director of NRCS.*

Dr. Martin Tampe, *Principal Technical Advisor, Climate Change Adaptation Project-GIZ, Germany*

Mr. Mohamed Nbou, *Ministry of Energy, Mines, Water and Environment, Morocco*

Mr. Justice B.P. Singh, *President of the National Council for Climate Change, Sustainable Development and Leadership (NCCSD), India*

Dr. Kirit Shelat, *Executive Chairman of NCCSD, India*

Dr. Ismahane El Ouafi, *Director General, International Center for Biosaline Agriculture, UAE (read by Dr. Shahid Shabbir)*

CLOSING SESSION

Saturday, 24 November, 2012 | 14h15-16h00 | *Conference Room: Mazagan*

Presentation of the Synthesis Report and Recommendations

Dr. Gopichandran, *Vigyan Prasar, India*

Speakers:

Dr. Mohamed Behnassi, *Conference Chair*

Mr. Mohamed Boussaid, *Senior Expert, GIZ*

Mr. Justice B.P. Singh, *President of NCCSD, India*

Dr. Kirit Shelat, *Executive Chairman of NCCSD, India*

Dr. Shahid Shabbir, *International Center for Biosaline Agriculture, UAE*

PLENARY SESSION DETAILS

Conference Room: Mazagan

PLENARY SESSION I | Room: Mazagan | November 22 (AM) ENVIRONMENTAL CHANGE AND HUMAN SECURITY

Chairs: Kirit Shelat (NCCSD, India) | Alcock Ian (*European Centre for Environment and Human Health, United Kingdom*)

Climat-Smart Agriculture for Food Security

Michael George Hage, *FAO Representative in Morocco*

Climate Change Adaptation and Social Networks: Governance Matters

Rotberg Fiona J.Y., *Department of Government Uppsala University, Sweden*

Human Security within a Global Environmental Governance Perspective

Behnassi Mohamed, *Faculty of Law, Economics and Social Sciences, Ibn Zohr University of Agadir / North-South Center for Social Sciences (NRCS), Morocco*

Can Sustainable Architecture be the Driving Force Towards Human Security Against Environmental Change?

Mahmoud Issa Abdou Safaa, *Faculty of Engineering, Menofia University, Shebeen El Kome, Egypt*

PLENARY SESSION II | Room: Mazagan | November 22 (PM) CLIMATE CHANGE AND AGRICULTURE: KEY INTERACTIONS

Chairs: Justice B.P. Singh (NCCSD, India) | Rotberg Fiona J.Y. (*Department of Government Uppsala University, Sweden*)

Mainstreaming Agriculture for Climate Change Mitigation: A Public Administration Perspective

Kirit N Shelat (*National Council for Climate Change, Sustainable Development and Leadership-NCCSD, India*), & R. Gopichandran (*Vigyan Prasar, India*)

Agricultural Adaptations for Mitigating Impact of Climate Change

Shabbir A. Shahid, *International Center for Biosaline Agriculture, United Arab Emirates*

Changing Paradigms for Sustainable Intensification of Agriculture Under Climate Change in Mediterranean Basin

Rachid Mrabet, *National Institute of Agronomic Research (INRA), Morocco*

PLENARY SESSION III | Room: Mazagan | November 23 (AM) ENVIRONMENTAL CHANGE, SUSTAINABLE AGRICULTURE AND FOOD SECURITY

Chairs: Shabbir A. Shahid (*ICBA, United Arab Emirates*) | Rachid Mrabet (*INRA, Morocco*)

Integrated River Basin Management for Sustainable Agriculture and Food Security

Jayprakash Gosalia, Shri Ashwin Shroff, *Excel Industries Ltd, Mumbai* & Vivekanand Research Training Institute (VRTI), India

Achieving Sustainable Agriculture Trade in the Global Food System

Pearson Lee, *Centre for Environmental Policy, Faculty of Natural Sciences, Imperial College London, United Kingdom*

The New Malaysian National Agro-Food Policy: Food Security and Food Safety Issues

Bakar Baki Hj, Hashim Azira, Che Wan Jasimah Wan Radzi, Mohamed, Songan Peter, *Institute of Biological Sciences, University of Malaya, Malaysia*

PLENARY SESSION IV | Room: Mazagan | November 23 (PM) ENVIRONMENTAL CHANGE FROM A SOCIAL AND GOVERNANCE PERSPECTIVE

Chairs: R. Gopichandran (*Vigyan Prasar, India*) | Rotberg Fiona J.Y. (*Department of Government Uppsala University, Sweden*)

Le "discours" du réchauffement climatique global à l'ère de la complexité, comme élément précurseur de nouveaux modèles de gouvernance mondiale

Tsaki Hassini, *Faculté des Sciences, Université d'Oran, Algérie*

Biodiversity for the Adaptation of Rural Women to Climate Change

Bouzoubaâ Zakia, Ait Lhaj Abderrahman, *National Institute of Agronomic Research (INRA), Morocco*

Environmental Change and Gender: Rethinking Traditional Approaches to Food Security in Rural Beitbridge, Zimbabwe

Matsa Mark, Winnie Fridah Matsa, Manuku Mukoni, *Department of Geography and Environmental Studies, Midlands State University, Zimbabwe*

Cultural Landscape Approach to Mitigate Environmental Change Impact on Human Security – A Case Study from Northeast India

Arunachalam A., *Division of Natural Resources Management, Indian Council of Agricultural Research, India*

PLENARY SESSION DETAILS

Conference Room: Mazagan

PLENARY SESSION V | Room: Mazagan | November 23 (PM)

MITIGATION OF CLIMATE CHANGE – CULTURE AND ECOLOGICAL RESPONSES

Chairs: Jayprakash Gosalia (Excel Industries Ltd, India) | Cervantes Juan (The Bauhaus University Weimar, Germany)

Progression of Policies and Laws Towards Addressing Climate Change and Sustainability Issues: Recent Initiatives from Malaysia

Maizatun Mustafa, Azlinor Sufian, Sharifah Zubaidah, Syed Abdul Kader, Department of Legal Practice, Ahmad Ibrahim Kulliyah of Laws, International Islamic University Malaysia, Malaysia

Targeting Consumer Groups and what they Consume for the Mitigation of Climate Change in India

Dutta Madhumati, Humanities and Social Sciences, Bengal Engineering and Science University, Shibpur, India

Carbon Dynamics at Harvard Forest: Ecological Responses to Changes in the Growing Season

Sanchez Lauren Kathleen, Yale University, School of Forestry and Environmental Studies, New Haven, USA

Emerging Risks: Sea Level Rise and Potentially Forced and Planned Relocation - Case Study from Greater Alexandria, Egypt

Gebert Niklas, Kloos Julia, United Nations University, Institute for Environment and Human Security, Germany

PLENARY SESSION VI | Room: Mazagan | November 24 (AM)

SUSTAINABLE DEVELOPMENT AND GREEN ECONOMY: TOWARD A PARADIGMATIC SHIFT

Chairs: Francis Kern (Centre Unesco, Naplouse) | Pascual Diana (Center for Ecological Research and Forestry Applications-CREAF, Spain)

Interdisciplinarité et éthique du développement durable : Réseau de chercheurs, dynamique transitionnelle et créativité

Josiane Stoessel-Ritz (Univ. Haute-Alsace, France), Francis Kern (Centre Unesco, Naplouse), Madjid Djenane (Univ. de Sétif, Algérie), Tom Storrie (Univ. de Strasbourg, France), Groupe Euro-Méditerranéen de Recherche en Sciences Sociales et Interdisciplinarité, France

Personal Commitment to Environmental Sustainability: A Study of Adults in England

Alcock Ian, White Mathew, European Centre for Environment and Human Health, United Kingdom

Critique of the Green Economy

Cervantes Juan, The Bauhaus University Weimar, Germany

Réponses au changement environnemental fondées sur l'économie et la technologie vertes

Zammar Rachid, Noureddine Abdelbaki, Faculté des Sciences de Rabat & Faculté des sciences juridiques, économiques et sociales d'Agadir, Maroc

ROUNDTABLE DETAILS
Conference Room: Mazagan

ROUNDTABLE I CLIMATE CHANGE AND WATER RESOURCE MANAGEMENT	ROUNDTABLE II CHANGEMENT CLIMATIQUE: RÉFLEXIONS CROISÉES
Chair: Gebert Niklas (<i>UNU, Germany</i>) <i>Rapporteur: Ambe E. Cheo (Brandenburg University of Technology, Germany)</i>	Chair: Josiane Stoessel-Ritz (<i>Université Haute-Alsace, France</i>) <i>Rapporteurs : Mouhanni Hind (ENCG, Maroc) & Baldin Claire (CNRS, France)</i>
Climate Change Impacts on Water Availability and Human Security in the Intercontinental Biosphere Reserve of the Mediterranean (Morocco-Spain) Pascual Diana, Eduard Pla, Jaume Fons, Dania Abdul Malak, <i>Center for Ecological Research and Forestry Applications (CREAF), Spain</i> Climate Change - Water Resources Management El Gayyar Attia, <i>Soils, Water & Environment Research Institute, Agriculture Research Centre, Egypt</i> Turkey and Water Security Policy in a Water Stressed Region Ozden Zeynep Oktav, <i>Department of Political Science and International Relations, Faculty of Economics and Administrative Sciences, Yildiz Technical University, Istanbul, Turkey</i> Dam Construction Versus Underground Water Extraction in Coastal City Tripoli-Lebanon O. Kalaoun, H. Moustafa, A. Assoum, M. Jazar, <i>Laboratory of Mathematics and Applications, Lebanese University, Tripoli, Lebanon</i> L'approche multicritère d'aide à la décision participative et gestion des ressources en eau en Tunisie Trabelsi Hedia, Carlo Prével, Mohamed Salah Matoussi, <i>Université de Québec en Abitibi Temiscamingue (UQAT), Canada</i>	Changement climatique, changement de paradigme : s'approprier pour exister, transmettre pour survivre; ou comment repenser le droit de l'environnement Barrière Olivier, <i>Institut de Recherche pour le Développement (IRD), UMR ESPACE-DEV / Maison de la Télédétection/ Laboratoire de l'IRD, France</i> La justice et le droit au service de la viabilité et la durabilité environnementale Hassan Assakti, <i>Faculté des Sciences Juridiques, Économiques et Sociales, Université Ibn Zohr d'Agadir, Maroc</i> Point sur les changements climatiques au Maroc : Impacts et enjeux Saloui Abdelmalik, Adidi A., Fellah B., Machrafi M., Machrouh A., Abderebbi M., Aboulfarah Y., <i>Université Hassan II-Mohammedia-Casablanca, Maroc</i> Initiatives de renforcement de la résilience de l'écosystème et des capacités d'adaptation des communautés dans la commune rurale de Boudinar Khattabi Abdellatif, M. Matah, S. Taberkant et L. Lmardi, <i>École Nationale Forestière d'Ingénieurs (ENFI), Maroc</i> Le rôle de l'observatoire de l'environnement et de développement durable (OREDD) dans le renforcement de la gouvernance environnementale au Maroc : cas de l'OREDD de la région SMD Fatiha Fdil, <i>OREDD de la région SMD, Maroc</i>

TECHNICAL SESSION DETAILS (*simultaneous*)

TECHNICAL SESSION I | Room: Bahia | November 22 (AM)

Chair: Carlo Prével (*Université de Québec en Abitibi Temiscamingue, Canada*)
Rapporteur : Benkhamallah Zahra (*Centre Universitaire Ain Témouchent, Algérie*)

Climate Change and the Vulnerability of Water Resources in Northern Cameroon

Ambe Emmanuel Cheo, Hans-Jürgen Voigt, Roy Lyonga Mbua, *Department of Environmental Geology, Brandenburg University of Technology Cottbus, Germany*

Managing Water Crisis in the North African Region - With Particular Reference to Jijel Region

Aimar Abdelhafid, *Faculté des Sciences Économiques, Commerciales et Sciences de Gestion, Université de Jijel, Algérie*

Effets du climat sur les stocks d'eau en zone méditerranéenne- Exemple de quelques bassins versants situés au Maghreb

Benoit Laignel, Zeineddine Nouaceur, Khodir Madani, Nadir Benhamiche, Nour-Eddine Laftouhi, Azzedine Mebarki, Abdelaziz Louamri, Noureddine Gaaloul, *Laboratoire 3BS, Faculté des Sciences de la vie, Université de Béjaia, Algérie*

Effect of Reclaimed Wastewater Reuse for Golf Grass Irrigation on Plant, Soil and Leachate

Mouhanni Hind, Abdelaziz Bendou, *National College of Commerce and Management, Morocco*

TECHNICAL SESSION II | Room: Lixus | November 22 (AM)

Chair: Khattabi Abdellatif (*ENFI, Maroc*)
Rapporteur : Mwita Marwa Mangora (*Institute of Marine Sciences, Tanzania*)

Climate Change on the Fisheries of Pekalongan - Indonesia: An Impact Assessment

Kirana Mayanggita, Tri Winarni Agustini, And Indah Susilowati, *Faculty of Economics and Business, Diponegoro University, Indonesia*

Safeguarding Marine Fisheries Resources in the Face of Global Environmental Change: The Role of Traditional Practices in Tanzania

Shalli Mwanahija Salehe, *Institute of Marine Sciences, University of Dar es Salaam, Zanzibar, Tanzania*

Biomass Supply and Global Sustainable Development

Beran Lucia, Harald Dyckhoff, *RWTH University's Chair of Business Theory, Sustainable Production and Industrial Management Control, Germany*

Adaptation and Mitigation: Relevant Governance and Risk Management Options for Pacific Island Countries (*video-conference*)

Asis Chand Arunesh, *University of the South Pacific (USP), Pacific Centre for Environment and Sustainable Development (PACE-SD), Fiji Islands*

TECHNICAL SESSION III | Room: Bahia | November 22 (PM)

Chair: Mohamed Boussaid (*GIZ, Germany*)
Rapporteur : Amal Hamhami (*Université de Sidi Bel Abbès, Algérie*)

La littoralisation et les défis des changements climatiques. Cas du littoral du Grand Casablanca

El Araari Zahra, Mohammed Said Karrouk, Mohammed Medina
Laboratoire Climat Développement et Aménagement, Faculté des Lettres et des Sciences Humaines de Ben M'sik Casablanca, Maroc

Durabilité des villes et changement climatique: une articulation difficile

Tachfine Youssef, *Université Ibn Zohr d'Agadir, Maroc*

Développement humain et environnement au Maroc : Articulation et enjeux

Hachami Safae, Aourarh Hajar, *Université My Ismaïl, Faculté des Sciences Juridiques Économiques et Sociales de Meknès, Maroc*

Impact des contraintes et potentialités du milieu socio-économique sur la dégradation de la steppe algérienne : cas de la région de Djelfa

Adel Boussaïd, Nouari Souiher, Fatima Djaballah, *Laboratoire de Géographie et d'Aménagement du Territoire à l'USTHB Bab El Zouare, Algérie*

TECHNICAL SESSION DETAILS (*simultaneous*)

TECHNICAL SESSION IV | Room: Lixus | November 22 (PM)

Session Chair: Sultan Nabil (*University Suffolk Campus, United Kingdom*)
Rapporteur : Suleiman I. Ladan (*College of Science and Technology, Nigeria*)

Conversions and Restoration of Mangroves in Tanzania: Bridges and Barriers for Sustainability of Ecosystem Services Under Global Change

Mwita Marwa Mangora, *Institute of Marine Sciences, University of Dar es Salaam Tanzania*

Economic Importance of Integrating Climate Change for Common Birds Conservation Policy

Chakir Raja, Jean-Sauveur Ay, Luc Doyen, Frédéric Jiguet, Paul Leadley, *UMR Économie Publique, INRA-AgroParisTech, France*

Design of a Resilient Sylvo-Pastoral Management System : Case Study from the Tazekka National Park-Morocco

Boussaid Mohamed, *GIZ, Morocco*

The Environmental Impact Assessment Procedures in Gulf Cooperation Council Region

Dhari Naser Al-Ajmi, *Physical Geography & Environmental Studies, Geography Department, Sultan Qaboos University, Sultanate of Oman*

Poverty, Inequality and Employment Impacts of the Transition to a Climate-Resilient and Low-Carbon Economy in South Africa – A Review of Evidence (video-conference)

Nhemachen Charles, James Chakwizira, Margaret Chitiga-Mabugu, Selma Karuaihe, *Human Sciences Research Council, Economic Performance and Development, South Africa*

TECHNICAL SESSION V | Room: Fedala | November 22 (PM)

Chair: Fatima ARIB (*INREDD - Université Cadi Ayyad - Maroc*)
Rapporteur : Kahime Kholoud (*Cadi Ayyad University Marrakech, Morocco*)

Évaluation du coût économique de la désertification au Maroc

Khattabi Abdellatif, Ahmed Jalal, *École Nationale Forestière d'Ingénieurs (ENFI), Maroc*

Impacts de la décharge publique de Tanger sur l'environnement

Mouhssine Abderrahim, Jamal Brigui, *Faculté des Sciences et Techniques, Université Abdelmalek Essaidi de Tanger, Morocco*

Suivi des biogaz de la décharge réhabilitée du Grand Agadir: Application des SIG

Elkadi Ahmed, Maatouk Mostapha, Mouhssine Abderrahim, Ajraoui Jamal, Djebary Tahiri Zakariyae, *Faculté des Sciences de Tanger, Faculté des Sciences d'Agadir, Tecmed-Maroc*

La kémie, un produit du terroir à valoriser

Adamou Abdelkader, Boudjenah Saliha, Senoussi Abdelhakim, *Laboratoire Bio-ressources Sahariennes- Faculté des Sciences de la Nature et de la Vie, et Sciences de la Terre et de l'Univers, Université Kasdi Merbah Ouargla, Algérie*

TECHNICAL SESSION VI | Room: Bahia | November 22 (PM)

Chair: Madjid Djenane (*Univ. de Sétif, Algérie*)
Rapporteur : Bendaoud Amina (*Université de Tlemcen, Algérie*)

La lutte contre le changement climatique : Entre instruments économiques et systèmes énergétiques sobres en carbone

Bergaoui Inès, Sami Hammami, *Faculté des Sciences Économiques et de Gestion, Université de Sfax, Tunisie*

L'apport des TIC dans la lutte contre les changements climatiques

Bouzaouf Driss, *Faculté des Sciences Juridiques, Économiques et Sociales, Université Ibn Zohr d'Agadir, Maroc*

Développement de l'arboriculture fruitière dans les zibans face aux changements climatiques actuels, quels résultats ?

Benaziza Abdelaziz, *Département des Sciences Agronomiques, Université de Biskra, Algérie*

L'impact du réchauffement climatique sur l'agriculture et l'alimentation en Afrique

Lukusa Mukala, Christophe Odon Kalala, *Laboratoire Scientifique du Projet "Sciences Sociales et Pauvreté", Faculté des Sciences Économiques et de Gestion, Université de Kinshasa, Congo*
Kahime Kholoud (*Cadi Ayyad University Marrakech, Morocco*)

Role of Biotechnology in Mitigation and Adaptation to Deal with Climate Change Scenario and Human Security (video-conference)

Kalpana Sengar, RS Sengar, *Tissue culture Lab, College of biotechnology, Sardar Vallabhbhai Patel University of Agriculture & Technology, India*

TECHNICAL SESSION DETAILS (*simultaneous*)

TECHNICAL SESSION VII | Room: Lixus | November 22 (PM)

Session Chair: Mustapha Ziky (*INREDD - Université Cadi Ayyad - Maroc*)
Rapporteur : Adel Boussaïd (*USTH, Algérie*)

Analyse des stratégies d'adaptation des communautés d'une oasis marocaine aux changements climatiques

Larbi Aziz, Boussaid Mohamed, Elqaoumi Imane
École Nationale d'Agriculture de Meknès, Maroc

Les écosystèmes forestiers au service du développement durable et de l'adaptation au changement climatique - Cas de la région de Souss Massa Draà au Maroc

Fatima ARIB (*INREDD - Université Cadi Ayyad - Maroc*), Ludwig Liagre (*Projet Silva Med - GIZ Maroc*), Marion Hergarten (*Eco-Consul - Allemagne*)

Perturbations socio-environnementales, vulnérabilité alimentaire et valorisation des bas-fonds en Côte d'Ivoire forestière : Cas de la Région du Centre-Ouest

Joseph P. Assi Kaudjhis, *Université de Bouaké, Côte d'Ivoire, Côte d'Ivoire*

Surveillance et suivi environnemental des aménagements hydroélectriques : Cas du Barrage d'Inga

Mopili Léon Muba, *Ministère de l'Environnement, Conservation de la Nature et Tourisme, Congo*

TECHNICAL SESSION VIII | Room: Fedala | November 22 (PM)

Session Chair: Jennifer Diamond (*The National Academy of Sciences, USA*)
Rapporteur : Beran Lucia (*RWTH University, Germany*)

Is Human Security a Relevant Concept in the Context of Climate Change Adaptation Policies?

Katriona McGlade, Christiane Gerstetter, Elizabeth Tedsen, Rodrigo Vidaurre, *Ecologic Institute, Germany*

Steps to integrate and Value the Roles of Indigenous Knowledge in Climate Change Mitigation and Adaptation Strategies in Southern Africa: Case of Chiredzi and Chipinge Districts in Zimbabwe

Munzanza Dickson, Leeward Museva, Elisha Hassani, *Spead trust, Zimbabwe*

A New Era for Energy and the Environment: The Implications of Shale Gas for the Future Prosperity and Stability of the GCC Countries

Sultan Nabil, Weir David, *University Suffolk Campus, United Kingdom*

Functional Relationship Between Vector Born Disease, Social Ecosystem and Climate Change: A Case Study for the Cutaneous Leishmaniasis in South-East Morocco

Kahime Kholoud, Lahouari Bounoua, Fouad Ouanaimi, Mohamed Messouli, Ali Boumezzough, *Department of Biology, Faculty of Sciences Semlalia, Cadi Ayyad University Marrakech, Morocco*

Inequality and Sustainability in South African Poor Urban Communities – Local Perspectives from Gauteng Province (*video-conference*)

Nhemachen Charles, Selma Karuaihe, Margaret Chitiga-Mabugu, James Chakwizira, *Human Sciences Research Council, Economic Performance and Development, South Africa*

TECHNICAL SESSION IX | Room: Lixus | November 23 (AM)

Chair: Munzanza Dickson (*Spead trust, Zimbabwe*)
Rapporteur : Chennafi Houria (*Université Ferhat Abbas, Sétif, Algérie*)

Intervention endogène des pouvoirs publiques dans le secteur agricole des pays de l'AOC face aux réglementations sanitaires et environnementales des pays Nord : une approche en termes de duopole mixte pour le commerce international

Baldin Claire, Le Texier Thomas, Ragni Ludovic, *CNRS GREDEG UMR 7321, France*

Analyse des problèmes des mines artisanales pour le développement durable du Katanga en République Démocratique du Congo

Mopili Léon Muba, *Ministère de l'Environnement, Conservation de la Nature et Tourisme, Congo*

Phytochismic and Pharmacological Studies of Some Central African Medicinal Plants with Antidiabetic Properties

Koane Jean-Noël, t. Gouollaly, C. Nkounkou-loumpangou, J.I. Syssa-Magale, J.M. Ouamba, *Department of Chemistry, Faculty of Science, University of Bangui, Bangui, Central African Republic*

Hillside Irrigation in Bugesera District, Rwanda: Mitigation of Human Insecurity or Economic Policy? (*video-conference*)

Celestin Radison, *Department of Agro Management, College of Agronomics Sciences, University of Antananarivo, Rwanda*

Perspectives on Collective Security Architecture within the Southern African Development Community (SADC) post the Cold War (*video-conference*)

Juliet Joseph, *University of Johannesburg, South Africa*

TECHNICAL SESSION X | Room: Bahia | November 23 (AM)

Chair: El Gayyar Attia (Agriculture Research Centre, Egypt)

Rapporteur : Tachfine Youssef (Université Ibn Zohr d'Agadir, Maroc)

التربية البيئية ودورها في مواجهة التغيرات البيئية العالمية وتحقيق الأمن الإنساني
مغشيش نورالهدى، جامعة الحاج لخضر باتنة، الجزائر

تحديد التحديات والتأثيرات البيئية وأوجه الضعف فيها
عبد السلام محمد خلف الله البعباع، كلية الاقتصاد والعلوم السياسية، جامعة الزيتونة، طرابلس، ليبيا

التخطيط البيئي في الجزائر
بن يمينة خيرة، مبسوط هوارية، كلية العلوم الاقتصادية والتجارية وعلوم التسيير
المركز الجامعي بعين تموشنت، الجزائر

التزام الدولة بالوقاية من الأخطار الكبرى والتزام الأفراد بالتأمين على العقارات من الكوارث الطبيعية
سعداوي محمد صغير، رئيس المجلس العلمي لكلية الحقوق والعلوم السياسية جامعة بشار، الجزائر

التنمية الزراعية المستدامة، إستراتيجية لتحقيق الأمن الغذائي في الوطن العربي
صالح ناجية، قصوري ريم، بلحسين فاطمة الزهراء، المركز الجامعي بالوادي، الجزائر

التغيرات البيئية الناتجة عن الصناعة الملوثة و أثرها على تحقيق التنمية المستدامة: دراسة تحليلية
بوشنكير ايمان، جامعة باجي مختار عنابة، الجزائر

POSTER SESSION DETAILS

POSTER SESSION I

Amélioration de la résilience de l'écosystème littoral et renforcement des capacités d'adaptation au changement climatique de deux communautés de pêcheurs

Khatabi Abdellatif, Zineb Choury, *École Nationale Forestière d'Ingénieurs (ENFI), Maroc*

Global Environmental Change as a Human Security Threat: Situation in Nigeria

Suleiman Iguda Ladan, *College of Science and Technology, Nigeria*

L'impact du changement climatique sur le cortège floristique à "Globularia alypum" dans la région de Tlemcen

Bendaoud Amina, *Laboratoire d'écologie et de gestion des écosystèmes naturels, Faculté des S.N.V- S.T.U, Université de Tlemcen, Algérie*

Vulnérabilité des populations oasiennes de la région de Zagora (Maroc) face aux envenimations scorpioniques en relation avec les changements climatiques

My Abdelmonaim Elhidan, Oulaid Touloun, Kholoud Kahim et Ali Boumezzough, *Laboratoire « Écologie & Environnement », Département de Biologie, Faculté des Sciences Semlalia, Maroc*

Évolution hydro-climatique dans le Nord Ouest algérien

Benkhamallah Zahra, Mazour Mohamed, *Centre Universitaire Ain Témouchent, Algérie*

Les entreprises économiques face au changement environnemental global : La nécessité d'une nouvelle démarche

Amal Hamhami, Ahmed Smahi, *Université de Sidi Bel Abbes, Algérie*

Le climat et les fascies de végétation dunaire dans la région de Tlemcen (Oranie- Algérie)

Stambouli Née Meziane Hassiba, Bouazza Mohamed, *Laboratoire d'Écologie et Gestion des Écosystèmes Naturels, Algérie*

L'impact des changements climatiques sur la répartition géographique des espèces acridiennes (*Orthoptera, Caelifera*)

Benkenana Naima, Harrat Aboud, *Département de biologie animale université Mentouri Constantine, Algérie*

POSTER SESSION II

Contribution à une étude climatique comparative entre deux trentaines d'années (1913-138) et (1975-2009) : Cas de la steppe centrale d'Algérie

Adel Boussaïd, Souiher Nouari, Djaballah Fatima, Medjrab abderrahman, *Laboratoire de géographie et d'aménagement du territoire USTH, Algérie*

Le rendement du blé sous labours contrastés en environnement semi-aride (Est, Algérie)

Chennafi Houria, Belagrouz A., Makhlouf M., Sahraoui A., Laouar S, *Université Ferhat Abbas, Sétif, Algérie*

Protocole de suivi des effets de changements de températures sur la dynamique de la flore vasculaire en haute montagne

Sidibe Moussokoro, Joaquin Molero Mesa, Abderrahmenmerzouki, *Faculté des Sciences de Tétouan, Maroc*

L'effet de la salinité sur La symbiose à rhizobia chez la fève (*Vicia faba* L.) et la luzerne (*Medicago sativa* L.)

Mouffok Ahlem, Mouffok Sihem, Belhamra Mohamed, *Département des Sciences Agronomiques, Université Mohamed Khider Biskra, Algérie*

Évolution de la salinité des sols de la plaine du bas-cheliff

Abderrahmen Akkacha , Abdelkader Douaoui, *Université Hassiba Ben Bouali de Chlef, Hay elsalem route national n°19 02000 Chlef,, Algérie*

La biodiversité et la production de la fève (*vicia faba* L. Var. Aquadulce) cultivée sous stress salin

Amrani Nassima, Baka M., *Département de Pharmacie, Faculté de Médecine, Université de Batna, Algérie*

Test of in Vitro Antagonism of Some Strains of *Paenibacillus Polymyxa* Towards Strain of *Fusarium Culmorum* Agent of the Fusariose of the Durum Wheat

Souad Athmani-Guemouri, Lounaci Lamia, *Laboratoire de Biologie et Physiologie des Organismes, Université des Sciences et de la Technologie Houari-Boumediene- El-Alia, Faculté des Sciences Biologiques, Bab Ezzouar, Algérie*

Prospect of Iran Natural Gas Export Projects

Omidvar Hedayat, *Science & Research Centers, Research & Technology Department, Iran*

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