

GUIDE: ABSTRACTS (ORAL AND POSTER)

Thursday - December 13th – ORAL PRESENTATION GUIDE
PANEL 1 - (14:00 -16:00 pm)

Sessão 1 (8 PRESENTATIONS)

Symposium 1. Mountain Agriculture and Agroecology

Conveners: Eliane Ribeiro, Adriana Maria de Aquino; Renato Linhares de Assis; José Antonio Azevedo Espíndola; Orivaldo José Saggin Junior (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil); Margarida Maria Pereira Arrobas Rodrigues (Mountain Research Center, CIMO)

- (1) ALTIMETRIC DISTRIBUTION OF THE CROPS IN A FAMILY FARM IN THE WESTERN OF PARANÁ STATE, BRAZIL
Alberto Feiden; Armin Feiden, Luiz Valter Hedel (BRAZIL)
- (2) ALTIMETRIC DISTRIBUTION OF THE CROPS IN A FAMILY FARM IN THE WESTERN OF PARANÁ STATE
Miguel Angel García Parra (COLOMBIA)
- (3) AREA-BASED AGRICULTURAL RESOURCE MANAGEMENT IN MOUNTAINOUS REGIONS OF THAILAND
Kesaraporn Sreechun; Pedcharada Yusuk; Achara Pawasut; Nattawan Thamsuwan; Kodchaporn Sukjitpinyo (THAILAND)
- (4) CHARACTERIZATION OF AROMATIC COMPOUNDS AND A AND B ACIDS FROM HUMULUS LUPULUS L.
Hugo Goes; Jorge Sá Morais; Luís Pedro; M^a João Sousa (PORTUGAL)
- (5) HIMALANDES INITIATIVE: MOUNTAIN TO MOUNTAIN COOPERATION TO IMPROVE LIVELIHOODS
Ana Maria Ponce; Alejandro Camino (PERU)
- (6) CHALLENGES OF MOUNTAIN FAMILY FARMING TO GLOBAL ENVIRONMENTAL CHANGE. EXPERIENCES OF ADAPTATION IN CHILE AND COLOMBIA
Carla Marchant; Luis Alfonso Ortega, Paulina Rodríguez, Liliana Paz (CHILE)
- (7) DESIGN AND MANAGEMENT OF SYNTROPIC AGROFORESTRY SYSTEMS AT INSTITUTO REFAZENDA - SECRETÁRIO, PETRÓPOLIS - RJ, BRAZIL
Fernanda Tubenclak; Luíza Ázara, Érico Freitas, Adrian Hagemeyer Pereira (BRAZIL)
- (8) THE UPPER PART OF THE GRANDE RIVER BASIN (NOVA FRIBURGO/RJ): ENVIRONMENTAL DYNAMICS AND SMALL PRODUCTION
Leonardo de Abreu; Robledo Mendes da Silva, Sandro Roberto Araújo Oitaven, Eduardo Spitz de Carvalho, Marília Lopes de Campos (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

Sessão 2 (6 PRESENTATIONS)

Symposium 2. Biogeography of the Andean and Amazonian regions

Conveners: Andres Moreira-Munoz; Joel Calvo (Pontificia Universidad Católica de Valparaiso – Chile); Marcelo Monge (Universidade Estadual de Campinas – Brazil); Daniel Montesinos (Instituto Científico IMOD – Peru); Enrique Mundaca (Universidad Católica delMaule – Chile); Mauricio Diazgranados (Royal Botanic Gardens – United Kingdom); Alexander Antonelli (University of Gothenburg - Sweden)

- (1) BIOGEOGRAPHY OF MONTANE VEGETATION IN ATLANTIC FOREST, BRAZIL
Marcelo Monge Egea; Leonardo Dias Meireles, João Semir (BRAZIL)
- (2) CONSERVATION BIOGEOGRAPHY AT THE CROSSROAD OF TWO BIODIVERSITY HOTSPOTS: ELEMENT OF A SOUTH AMERICAN “RAND BIOTA” IN THE ATACAMA
Andres Moreira-Munoz; Enrique Mundaca (CHILE)
- (3) EVALUATING THE IMPACTS OF CLIMATE CHANGE ON THE ECOSYSTEM SERVICES OF THE ANDEAN PÁRAMO PLANTS OF BOYACÁ (COLOMBIA)
Mauricio Diazgranados; Carolina Tovar; Suzette G. A. Flantua; Tom Etherington (COLOMBIA)
- (4) ASSESSING RICHNESS, TURNOVER, ENDEMISM AND REGIONAL HOTSPOTS OF THE ANDEAN COMPOSITAE
Mauricio Diazgranados; Andrés Moreira-Muñoz (COLOMBIA)
- (5) EXPLORING THE PRESENCE OF ANTITROPICAL AND ARID DIAGONAL ENTOMOFAUNAL DISJUNCTIONS IN NORTHERN CHILE
Enrique A. Mundaca; Andrés Moreira (CHILE)
- (6) SILVICULTURAL INTERVENTIONS ON NATURAL REGENERATION OF TROPICAL MOUNTAIN FOREST IN SOUTHERN ECUADOR
Johana Cristina Muñoz Chamba; Patrick Hildebrandt; Sven Günter; Bernd Stimm; Michael Weber; Reinhard Mosandl (ECUADOR)

Sessão 3 (7 PRESENTATIONS)

Symposium Science, population and local governments as allies for conservation and sustainable development in mountain environment.

(Symposium 5: Population and Local Governments as Allies in the Sustainable Use of Biodiversity as a Strategy for the Mountain Ecosystems Conservation + Symposium 22: How Much Science vs How Much Practice? Bridging ‘The Sustainable Development’ Chasm in Africa’s Mountains.)

Conveners: Izar AraujoAximoff (Escola Nacional de Botânica Tropical do Instituto de Pesquisas do Jardim Botânico do Rio de Janeiro – Brazil); André Assis (Ministério da Agricultura, Pecuária e Abastecimento – Brazil); Amazile López (Secretaria Municipal de Meio Ambiente e Desenvolvimento Urbano Sustentável de Nova Friburgo – Brazil); Vincent Ralph Clark (University of Pretoria - South Africa); Rob Marchant (University of York - United Kingdom); Bob Nakileza (Makerere University, Uganda)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (1) INTEGRATED APPROACH TO BIODIVERSITY CONSERVATION AS STRATEGY FOR HEALTHY MOUNTAIN ECOSYSTEM
Albert Gamoe (KENYA)
- (2) COMMUNITY FOREST MANAGEMENT AND ECOSYSTEM CONSERVATION IN THE VICOS RECUAYHUANCA MICROBASIN, ANCASH, PERU
Erica Castro Aponte (PERU)
- (3) TOWARDS THE SUSTAINABILITY OF THE MOUNTAINS AND THEIR INHABITANTS
Julián Alberto YepesCardona (COLOMBIA)
- (4) BIO-CULTURAL DIVERSITY- A MATRIX FOR SURVIVAL
ReetuSogani; SatyendraSingh(INDIA)
- (5) DEVELOPING A CONCILIATORY APPROACH BETWEEN ENVIRONMENTALISTS AND LANDOWNERS OF THE ESCARPA DEVONIANA APA, IN THE CAMPOS GERAIS REGION, PARANÁ STATE, SOUTHERN BRAZIL
RosemeriSegecin Moro; Lia Maris Orth RitterAntiqueira; Lucas Antiqueira (BRAZIL)
- (6) OBSTACLES AND PERSPECTIVES OF THE STATE ENVIRONMENTAL LEGISLATION OF THE RJ APPLIED IN THE MOUNTAIN REGION
Camila Serena de Souza Pinto (BRAZIL)
- (7) A SYNERGISTIC STUDY ON THE EFFECT OF CONCENTRATION AND TEMPERATURE ON IMIDACLOPRID AS AN ACTIVE INGREDIENT OF AN INSECTICIDE MOSTLY UTILISED IN THE AFROMONTANE WATER OF MALUTI
Mpondi Molefe; Sebotsa MM; Mlotshwa MM (SOUTH AFRICA)

Sessão 4 (8 PRESENTATIONS)

Symposium Land use dynamics and ecosystem services in the Andes: challenges for sustainability in the face of global change

(Symposium 8 - Water harvesting: transforming grassland and livestock production in high Andes puna ecosystems, past and present + Symposium 18 - Addressing land use dynamics and global change in the Andes: Research priorities for the sustainable management of mountain landscapes).

Conveners: Sarah-LanMathez-Stiefel (Centre for Development and Environment, CDE, and World Agroforestry Centre, ICRAF – Peru); Ricardo Grau (Instituto de Ecología Regional, IER, Universidad Nacional de Tucumán, CONICET – Argentina); Manuel Peralvo (Consortium for the Sustainable Development of the Andean Ecoregion, CONDESAN – Ecuador); Jorge Recharte; Beatriz Fuentealba (Instituto de Montaña – Peru); Alexander Herrera (Universidad de los Andes – Colombia); Eric Chavez (OIKOS – Peru).

- (1) WOODY VEGETATION CHANGE IN THE TROPICAL ANDES: 2001-2014
T. Mitchell Aide; H. Ricardo Grau, Jordan Graesser, Maria Jose Andrade, Ezequel Araoz, Ana Barros, Marconi Campos-Cerqueira, Elugio Chacon, Francisco Cuesta, Raul Espinoza, Manuel Peralvo, Molly Polk, Ximena Rueda, Adriana Sanchez, Kenneth Young, Lucia Zarba, Karl Zimmer (PUERTO RICO)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (2) MEGAHERBIVORES TRANSITION ALONG AN ANDEAN ELEVATIONAL GRADIENT
Ricardo Grau; Agustina Malizia; Julieta Carilla; Ezequiel Aráoz; Carlos Navarro; Andrea Izquierdo; M. Judith Babot (ARGENTINA)
- (3) The peatlands of the Argentinean Puna, its relation with the anthropic use
Carlos Navarro; Ricardo Grau; Andrea Izquierdo; Ezequiel Aráoz; Julieta Carilla; Javier Foguet; Elvira Casagrande(ARGENTINA)
- (4) SUSTAINABLE MANAGEMENT OF ANDEAN FOREST LANDSCAPES IN A CONTEXT OF CLIMATE CHANGE: PRIORITIES FOR KNOWLEDGE GENERATION
Manuel Peralvo; Sarah-Lan Mathez (ECUADOR)
- (5) Trees, land and water: A synthesis of knowledge on the relationships between woody plants, land use and hydrological processes in the Andes
Sarah-Lan Mathez; Jéssica Cerrón; Juan delCastillo; Manuel Peralvo (PERU)
- (6) GOVERNANCE FOR THE CONSERVATION OF A TRADITIONAL LANDSCAPE IN THE PERUVIAN ANDES: THE STUDY CASE OF THE POTATO PARK
Vanesa Ramos Abensur; Alexandre Schiavetti (BRAZIL)
- (7) MAPING INDIGENOUS ADAPTATIONS TO CLIMATE CHANGE IMPACTS ON WATER SECURITY IN THE HIGH-ANDES: POLICY GAPS AND BIASES TOWARDS MOUNTAIN REGIONS
Jorge Recharte; Romulo Antunez (PERU)
- (8) UNDERSTANDING HIGH-ANDEAN WETLANDS TO IMPROVE THEIR ECOLOGICAL FUNCTIONS AND LOCAL MANAGEMENT
Beatriz Fuentealba; Alata, Eyner; Gonzáles, Yanett; Mejía, Mayra (PERU)

Sessão 5 (7 PRESENTATIONS)

Symposium 19. Sustainable territorial development in arid mountains? Paths and current challenges.

Conveners: Silvia Robledo (Universidad Nacional de Cuyo – Argentina); Sebastián Crespo (Pontificia Universidad Católica de Valparaíso – Chile); Facundo Martín; Diego Bombal; Marcelo Giraud; Facundo Rojas; Rosa Schilan; Natalia Puccarelli; Martha Bernabeu (Universidad Nacional de Cuyo – Argentina); Andrés Moreira Muñoz (Universidad Católica de Valparaíso – Chile); Camilo Veas; Ariel Muñoz Navarro; Pablo Mansilla Quiñones (Universidad Católica de Valparaíso – Chile).

- (1) STREAMFLOW VARIATIONS ACROSS THE DRY ANDES DURING THE INSTRUMENTAL ERA
Mariano Masiokas; Ricardo Villalba; Pierre Pitte; Brian H. Luckman; Duncan A. Christie, Carlos Le Quesne (ARGENTINA)
- (2) STRENGTHENING OF THE PEASANT FARMER FOR SUSTAINABLE TERRITORIAL DEVELOPMENT IN THE PROVINCE OF MENDOZA, ARGENTINA
Iranilde de Oliveira Silva; Renato Linhares de Assis, Facundo Martín Garcia(BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (3) TERRITORIAL POLICIES IN THE CENTRAL ANDES: BORDER SECURITY, ECONOMIC INTEGRATION AND ENVIRONMENTAL REGULATION IN A CROSS-BORDER CONTEXT BETWEEN CHILE AND ARGENTINA
Diego Bombal; Leonidas Aguirre; Sebastián Crespo; Silvia Robledo; Facundo Martín; Camilo Veas; Facundo Rojas; Guillermina Elías (ARGENTINA)
- (4) LAND AND WATER GRABBING IN THE OASES OF MENDOZA (ARGENTINA): A HYDROSOCIAL PERSPECTIVE
Robin Larsimont (ARGENTINA)
- (5) WATER RESOURCES SCENARIOS IN THE ACONCAGUA RIVER BASIN: TERRITORIAL DISTRIBUTION OF THE WATER CRISIS
Sebastián Andrés Crespo; Veas Camilo, Muñoz Ariel (CHILE)
- (6) ADAPTIVE GOVERNANCE OF THE BIO-GEOHERITAGE IN THE SOUTH-CENTRAL ANDES, CHILE
Hermann Manriquez; Pablo Mansilla; Andrés Moreira-Muñoz (CHILE)
- (7) PRODUCING OASIS, TRANSFERRING VULNERABILITY
Nicolás Parise; Paula Mussetta, Jorge Ivars (ARGENTINA)

Thursday - December 13th – ORAL PRESENTATION GUIDE

PANEL 2 - (16:30 – 19:00 pm)

Sessão 6 (9 PRESENTATIONS)

Symposium 7. Mountain forests management and ecosystem services: a desired balance.

Convener: João Azevedo (Mountain Research Center, CIMO - Portugal)

- (1) PROJECTIONS OF GLOBAL FOREST'S SHARE IN LAND AREA
Cai Cheng-Zhi; Liang Ying (CHINA)
- (2) EFFORTS MADE BY MOROCCO TO CONSERVE MOUNTAIN BIODIVERSITY AND ECOSYSTEM SERVICES
Mohammed Sghir TALEB (MOROCCO)
- (3) THE TEMPORAL VARIATION OF ECOSYSTEM CARBON POOLS OF CHILIMO DRYAFROMONTANE FOREST ALONG ENVIRONMENTAL FACTORS AND FOREST PATCH , CENTRAL HIGHLANDS OF ETHIOPIA
Mehari Alebachew Tesfaye; Jergen Blaser and Oliver Gardi (ETHIOPIA)
- (4) THE NEED FOR INTEGRATED MANAGEMENT TO PROTECT BIODIVERSITY IN THE HIGHEST MOUNTAIN CHAIN IN SOUTHEASTERN BRAZIL
Izar Araujo Aximoff (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (5) ALLELOPATHIC EFFECT OF EXOTIC SPECIES ON *Barbaceniapurpurea* A NATIVE AND PIONEER PLANT OF SUGAR LOAF INSELBERG – RJ, BRAZIL
Laura Jane Moreira Santiago; Louro, R.P. (BRAZIL)
- (6) TOOLS FOR SUSTAINABLE AND MULTIFUNCTIONAL MOUNTAIN FOREST MANAGEMENT
João Azevedo; Luís Nunes; Sílvia Nobre; Felícia Fonseca; Fernando Pérez-Rodríguez (PORTUGAL)
- (7) POST-FIRE NATURAL REGENERATION OF HIGH ALTITUDE GRASSLANDS, SOUTHEAST OF BRAZIL: PERSPECTIVE FOR MANAGEMENT OF PLANT BIOMASS FUEL AND ENDANGERED SPECIES
Izar Araujo Aximoff; João Marcelo Braga (BRAZIL)
- (8) A PRELIMINARY STUDY OF THE CONSERVATION, USE AND MANAGEMENT OF BRAZILIAN-PINE IN MANTIQUEIRA MOUNTAINS, SOUTHEASTERN BRAZIL
Izar Araujo Aximoff; (BRAZIL)
- (9) HISTORICAL ECOLOGY OF ANCIENT WATER HARVESTING SYSTEMS IN THE CORDILLERA BLANCA AND CORDILLERA NEGRA, PERU
Alexander Herrera Wassilowsky (PERU)

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Sessão 7 (9 PRESENTATIONS).

Symposium. Adaptation to climate change and risk reduction for natural disasters in mountain.

(Symposium 9: Climate Change Adaptation in mountains regions + Symposium 16: Responses of natural disasters to climate change and disaster risk reduction).

Conveners: Joyce M G Monteiro (Brazilian Agricultural Research Corporation, Embrapa Soils - Brazil); Qiu Dunlian (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China); Cui Peng (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China); Irasema Alcántara-Ayala (Institute of Geography, National Autonomous University of Mexico – Mexico)

- (1) TOWARDS ENHANCING AND DISSEMINATING SCIENTIFIC KNOWLEDGE ON THE UPPER-TROPOSPHERIC WARMING AND ITS IMPACTS ON THE OVERALL INTEGRITY OF PÁRAMO ENVIRONMENTS
Daniel Ruiz Carrascal; Enrique Ángel-Sanint; Maria E. Gutiérrez-Lagoueyte; Santiago Ortega-Arango; Daniel González-Duque; Isabel Restrepo-Correa; Martha I. Posada-Posada; Javier G. Gutiérrez-Pemberthy (COLOMBIA)
- (2) CLIMATE CHANGE IMPACT ON THE WESTERN GHATS MOUNTAIN FOREST: CHALLENGES IN SUSTAINABLE MANAGEMENT
Shadananan Nair (INDIA)
- (3) MANAGING RISKS AND FUTURE OPTIONS EMERGING FROM NEW LAKES IN THE DEGLACIATING TROPICAL ANDES (VILCANOTA-URUBAMBA BASIN, SOUTHERN PERU)
Fabian Drenkhan; Christian Huggel; Lucía Guardamino; Holger Frey; Wilfried Haeblerli (PERU)
- (4) ADAPTATION TO CLIMATE CHANGE IN FAMILY FARMS IN THE OBRAJE - ACOPAMPA, CARHUAZ, ANCASH -PERÚ SECTOR: ORHANOZACIONAL ROLE AND AGROECOLOGICAL PRACTICES

GUIDE: ABSTRACTS (ORAL AND POSTER)

Veti Elena (PERU)

- (5) CASCADING ADAPTATION OF RURAL LIVELIHOOD TO CHANGING ENVIRONMENT IN THE KOSHI RIVER BASIN

Yiping Fang; Golam Rasul (CHINA)

- (6) RISK ANALYSIS OF DAMMED LAKES INDUCED BY THE 2017 MS6.9 MILIN EARTHQUAKE IN THE YARLUNG TSANGPO GORGE

Kaiheng Hu; Xiaopeng ZHANG; Jinbo TANG; Weiming LIU(CHINA)

- (7) NATURAL DISASTER MANAGEMENT: CALCULATION OF THE GLOBAL FLOOD MAP FOR THE CITY OF AREAL/RIO DE JANEIRO-BRAZIL FOR USE IN TERRITORIAL MANAGEMENT AND DECISION MAKING

Sady Júnior Martinsda Costa de Menezes; João Felipe Ribeiro Chagas; MaykedoCoutoLima; Tamiris Monteiro Ayres; Yuri Tomaz Martins(BRAZIL)

- (8) WHERE DO MOUNTAIN RESEARCHERS PUBLISH? COMPARISON ANALYSIS ON THREE SCI-INDEXED MOUNTAIN JOURNALS

Dunlian Qiu (CHINA)

- (9) CHARACTERISTICS OF EARTHQUAKE INDUCED LANDSLIDES

Lijun Su; Shuangqing Liang (CHINA)

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Sessão 8 (9 PRESENTATIONS)

Symposium 10. Management and Social Control in Mountain Territories.

Conveners: Lamounier Erthal Villela; Adriana Soares de Schueler; Marcio de Albuquerque Vianna; Carlos Alberto Sarmiento do Nascimento; Daniel Neto Francisco; Diná Andrade Lima Ramos; Lucimar Ferraz de Andrade Macedo; Vinícius Henrique Brandão (Federal Rural University of Rio de Janeiro, Brazil)

- (1) COMPOSTING FOR FAMILY FARMERS

Adriana Soares de Schueler; Roberto Guião (BRAZIL)

- (2) PROPOSALS AND PRACTICES OF MANAGEMENT AND SOCIAL CONTROL, TOURISM SOLIDARITY IN MOUNTAINOUS TERRITORIES. 2017-2018 A YEAR LATER, IN THE SAWS DO PILOTO AND MATOSO (TERRITORY OF THE BAY OF ILHA GRANDE - RJ)

Carlos Alberto Sarmiento do Nascimento; Lamounier Erthal Villela; Márcio de Albuquerque Vianna; Larissa Vidal de Loyola; Riyuzo Ikeda Junior (BRAZIL)

- (3) IMPROVING TERRITORIAL GOVERNANCE THROUGH COMMUNITY SELF MANAGEMENT IN MICROWATERSHEDS TOWARDS SUSTAINABLE DEVELOPMENT IN RJ MOUNTAIN REGIONS

Helga Restum Hissa; Nelson Teixeira Alves Filho; Adriano Martins Carneiro Lopes (BRAZIL)

- (4) THEORETICAL APPROACHES TO SOCIAL MANAGEMENT IN MOUNTAIN TERRITORIES: POSSIBLE DELIBERATIVE INSTITUTIONS TOWARDS THE AGROECOLOGICAL MODEL?

Daniel Neto Francisco; Lamounier Erthal Villela (BRAZIL)

- (5) SOCIAL MANAGEMENT, PARTICIPATORY BUDGET AND PUBLIC POLICIES: A LITERATURE REVIEW

GUIDE: ABSTRACTS (ORAL AND POSTER)

Lucimara Alexandre da Silva; Lamounier Erthal Villela; Mara Alexandre da Silva (BRAZIL)

- (6) UNIVERSITY EXTENSION IN SUPPORT OF THE TERRITORIAL COUNCIL OF THE BAY OF ILHA GRANDE - RJ FOR SUSTAINABLE TERRITORIAL DEVELOPMENT

Diná Andrade Lima Ramos; Lucimar Ferraz de Andrade Macedo; Lamounier Erthal Villela (BRAZIL)

- (7) THE EMPOWERMENT OF PARTICIPATIVE AND REPRESENTATIVE DEMOCRACY SUPPORTED BY THE PROGRAM OF STUDIES IN SOCIAL MANAGEMENT (PEGS/EBAPE/FGV) IN CITIES OF THE STATE OF RIO DE JANEIRO

Riyuzo Ikeda Júnior; Carlos Alberto Sarmiento do Nascimento; César Augusto Miranda Guedes; Lamounier Erthal Villela; Fernando Guilherme Tenório (BRAZIL)

- (8) PUBLIC POLICIES FOR YOUTH: THE CONSTRUCTION OF PROCESSES FOR THE EMANCIPATION OF RURAL YOUTH IN THE BAY TERRITORY OF ILHA GRANDE-RJ

Shirlene Consuelo Alves Barbosa (BRAZIL)

- (9) THE ROLE OF RURAL YOUTH IN THE CONSTRUCTION AND CONSOLIDATION OF AGROECOLOGY IN THE MUNICIPALITY OF MANGARATIBA-RJ

Shirlene Consuelo Alves Barbosa; Geisilane de Lima Santos (BRAZIL)

Sessão 9 (8 PRESENTATIONS)

Symposium 15. Conservation of Mountain Landscape and Sustainable Development.

Conveners: Mônica Alves Amorim (Federal University of Ceará – Brazil); Adriana Maria de Aquino; Renato Linhares de Assis (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil)

- (1) EVALUATION OF MOUNTAIN ECO - ENVIRONMENTAL VULNERABILITY USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM IN PASOL GAD WATERSHED OF GARHWAL HIMALAYA, INDIA

Suresh Kumar Bandooni; L. Mirana Devi (INDIA)

- (2) MOUNTAIN BIODIVERSITY AND THE SUSTAINABLE DEVELOPMENT GOALS: KNOWLEDGE FOR SYNERGISTIC ACTION

Davnah Payne; Mark Snethlage, Eva M. Spehn, Markus Fischer (SWITZERLAND)

- (3) SOCIAL REPRESENTATION OF SUSTAINABILITY FOR PRODUCERS OF ARTISANAL CHEESE IN A MOUNTAIN REGION IN THE CITY OF ALAGOA - SOUTH OF MINAS GERAIS / BRAZIL

Gabriele Medeiros dos Santos; Sonia Maria Pessoa Pereira Bergamasco; Fábio Homero Diniz; Maria de Fátima Ávila Pires; Nívea Maria Vicentini; Júlio César Fleming Seabra (BRAZIL)

- (4) LANDSCAPE CONSERVATION IN A SPATIAL ARENA: PRIORITIZING CONSERVATION AREAS IN MOUNTAINS THROUGH ECOLOGICAL MAPPING

Ankita Bhattacharya; G. S. Rawat; Gautam Talukdar; Bilal Habib (INDIA)

- (5) TOURISM, ECOCULTURAL HERITAGE, RESILIENCE AND LANDSCAPES DYNAMICS IN BORDER MOUNTAINS OF THE IBERIAN CENTRAL MOUNTAIN RANGE

Gonçalo José Poeta Fernandes (PORTUGAL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (6) MOUNTAIN LANDSCAPE AND ITS POTENTIAL TO ENHANCE VALUE ADDED OF MOUNTAIN PRODUCTS
Mônica Alves Amorim; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)
- (7) EMERALDS IN COLOMBIA: SEARCHING FOR SUSTAINABLE DEVELOPMENT IN THE ANDEANS
José Antônio Puppim de Oliveira; Isabel B. Franco, Saleem Ali (BRAZIL)
- (8) COMMUNITY RE-ORGANIZING FOR SUSTAINABLE DEVELOPMENT OF MOUNTAINOUS RURAL COMMUNITY: A CASE FROM RURAL TOYOTA, JAPAN
Aya Okada (JAPAN)

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Sessão 10 (10 PRESENTATIONS)

Symposium 23. Earth surface patterns and processes & ecological conservation for sustainable mountain development – towards scientific cooperation along the Belt and Road.

Conveners: Wei Deng (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences – China); Jinming Hu (Yunnan University – China)

- (1) THE GEOGRAPHICAL SPATIAL FEATURES AND MOUNTAIN DEVELOPMENT OF HU LINE INTERSECTION ZONE
Deng Wei; Peng Li; Kong Bo (CHINA)
- (2) USING ENVIRONMENTAL HETEROGENEITY TO IDENTIFY YUNNAN PRIORITY CONSERVATION AREAS
Jinming Hu; Feng Liu (CHINA)
- (3) RISK MANAGEMENT MODES FOR RURAL COMMUNITIES IN ETHNIC MINORITY AREAS RELOCATED BY GEOLOGICAL HAZARDS IN WENCHUAN SEISMIC AREA: EMPIRICAL ANALYSIS OF TWO ETHNIC MINORITY COMMUNITIES IN NGAWA TIBETAN AND QIANG AUTONOMOUS PREFECTURE, SICHUAN, CHINA
Yun Xu; Xiaoping Qiu; Xueting Yang; Guojie Chen (CHINA)
- (4) A PRELIMINARY STUDY ABOUT THE THERMAL ENVIRONMENT DYNAMICS IN THE MOUNTAINOUS AREA AFFECTED BY THE 2008 WENCHUAN EARTHQUAKE
Wei Zhao; Fengping Wen; Ainong Li (CHINA)
- (5) THE INFLUENCE OF SPATIAL PATTERNS OF CANOPY GAPS ON SAPLING SPECIES RICHNESS IN XISHUANGBANNA TROPICAL FOREST LANDSCAPE, SOUTHWEST OF CHINA
Zhang Zhiming; Li Qianga; Xie Fomei; Deng Yun; Wang Bin; Lin Luxiang (CHINA)
- (6) THE CONSERVATION OF BIODIVERSITY AND ECOSYSTEM SERVICES IN THE MOUNTAINS OF CHINA: SCIENTIFIC GROUND AND STRATEGIES IN APPLICATION
Zehao Shen (CHINA)
- (7) THE SOIL-PLANT RELATIONSHIP IN ALPINE GRASSLAND ECOSYSTEM —WHICH ROOT TRAITS DETERMINE NITROGEN UPTAKE BY ALPINE PLANT SPECIES ON THE TIBETAN PLATEAU?
Xiaodan Wang; Jiangtao Hong (CHINA)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (8) EFFECTIVENESS OF NATURE RESERVES IN PROTECTING BIODIVERSITY IN CHINA'S MOUNTAINS
Zhiyao Tang; Yujing Yan; Zejing Zhang; Xinyue Zhang (CHINA)
- (9) PHENOLOGICAL SHIFTS ACROSS ELEVATIONS ON TYPICAL TEMPERATE MOUNTAINS IN NORTH CHINA DURING THE LAST TWO DECADES
Junhu Dai; Mengyao Zhu; Huanjiong Wang; Quansheng Ge (CHINA)
- (10) SPATIAL VARIATION OF TERRAIN RELIEF AND ITS IMPACTS ON POPULATION AND ECONOMY BASED ON RASTER DATA: A CASE STUDY IN WEST HENAN MOUNTAIN AREA, CHINA
Lianqi Zhu; Zhu Wenbo; Zhang Jingjing; Cui Yaoping; He Shasha; Ren Han (CHINA)

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Friday - December 14th - ORAL PRESENTATION GUIDE PANEL 3 - (8:00 - 9:30 am)

Sessão 11 (6 PRESENTATIONS)

Symposium 3. Biosphere Reserves in mountain regions: resilience and adaptation to global changes

Conveners: Andres Moreira-Munoz; Pablo Mansilla (Pontificia Universidad Católica de Valparaíso – Chile); Ricardo Rozzi (North Texas University - USA); Rodrigo Calcagni (Parques para Chile Network - Chile); Marcelo Leguía (Universidad de Playa Ancha - Chile)

- (1) IDENTIFYING BIOINDICATORS TO ASSESS ECOLOGICAL CHANGE IN HIMALAYAN PROTECTED AREAS: NANDA DEVI BIOSPHERE RESERVE - WORLD HERITAGE SITE, WESTERN HIMALAYA
V. P. Uniyal (INDIA)
- (2) COMMUNITY BASED SUSTAINABLE LIVELIHOODS APPROACH FOR CONSERVATION OF BIODIVERSITY IN NANDA DEVI BIOSPHERE RESERVE: WORLD HERITAGE SITE UTTARAKHAND, INDIA
Bhagwati Uniyal; Vinod Kumar Bhatt (INDIA)
- (3) ADAPTATION TO CLIMATE CHANGE IN SEMI-ARID MOUNTAINOUS AREA IN IRAN
Hamidreza Solaymani Osbooei; Gavin Kenny; Ali MarzoughiAsl (IRAN)
- (4) THE CHILEAN NETWORK OF BIOSPHERE RESERVES: CHALLENGES ON SCIENTIFIC RESEARCH AND ADAPTIVE GOVERNANCE
Andres Moreira-Munoz (CHILE)
- (5) EXPANSION AND ZONING METHODOLOGY OF THE SAN RAFAEL LAGOON BIOSPHERE RESERVE, AYSÉN REGION, CHILE
Marcelo Leguía Cruz (CHILE)
- (6) LA CAMPANA: THE MOUNTAIN AS AN ORGANIZING AND REGENERATOR ELEMENT OF THE TERRITORY
Francisca Carvajal Mascaró; Andrés Moreira- Muñoz, Marcelo Lejía (CHILE)

Sessão 12 (5 PRESENTATIONS)

Symposium World Famous Mountains Association: experiences of sustainable development

(Symposium 6: World Famous Mountains Association: experiences of sustainable development + Symposium 21: Art in Nature - Projects in Mountain Regions).

Conveners: Joane McKnight (World Famous Mountains Association – Australia); Gary De Kock (South African National Parks - South Africa); Ute Ritschel (International Forest Art Association – Germany); MmihaiCismaru; (Association Montana European – Romania); MônicaAlvesAmorim (Federal University of Ceara – Brazil);Ute Ritschel (International Forest Art Association – Germany); Jutta Weber (UNESCO Global GeoparkBergstraße-Odenwald – Germany); Sue Spaid (Contemporary Museum – Belgium); Rieung Woo (Artist - South Korea)

- (1) ECOLOGICAL RESTORATION AND SOCIO- ECONOMIC EMPOWERMENT OF RURAL COMMUNITY FOR SUSTAINABLE DEVELOPMENT IN UTTARAKHAND HIMALAYA, INDIA
Suresh Kumar Bandooni; L. Mirana Devi (INDIA)
- (2) SUSTAINABLE TOURISM PRACTICES
Joane McKnight (AUSTRALIA)
- (3) WHERE PRAYERS AND PROTECTION MEET : FINDING EQUILIBRIUM BETWEEN ENVIRONMENTAL PROTECTION AND RELIGIOUS PRACTICE IN TABLE MOUNTAIN NATIONAL PARK
Gary de Kock (SOUTH AFRICA)
- (4) WORLD FAMOUS MOUNTAINS ASSOCIATION: A BRAND WITH POTENTIAL TO ENHANCE VALUE ADDED OF MOUNTAIN PRODUCTS
Mônica Alves Amorim; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)
- (5) PROMOTION OF CULTURE AMONG MEMBERS OF WORLD FAMOUS MOUNTAINS ASSOCIATION: A PATH FOR FURTHER COOPERATION AND UNDERSTANDING
Mônica Alves Amorim(BRAZIL)

Sessão 13 (5 PRESENTATIONS)

Symposium 11. Exchange of experiences and local public policies that can collaborate with the sustainable development of municipalities and localities

Convener: Leonardo CiuffoFaver (Emater-Rio – Brazil)

- (1) USE OF AN ECONOMIC INSTRUMENT IN ENVIRONMENTAL PUBLIC POLICY: THE ECOLOGICAL ICMS AND ITS POTENTIALITY IN RELATION TO THE SUSTAINABLE TERRITORIAL DEVELOPMENT IN MOUNTAIN
Antonio Francisco Ritter Ferreira (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (2) CENTRAL ASIAN NEW PASTURE LAWS ELIMINATE OCCUPATION AND PRIVATIZATION OF PASTURES THROUGH BOTTOM-UP MANAGEMENT APPROACH
Zhyrgalbek Kozhombardiev (KYRGYZSTAN)
- (3) DELIMITATION PROJECT OF THE CONTINUES RIPARIAN PROTECTED STRIPE TO PIABANHA RIVER AT THE RIO THE JANEIRO STATE, BRAZIL
David Costa;Rafaela dos Santos Facchetti Vinhais Assumpção; José Paulo Soares de Azevedo; Paulo Sergio Oliveira de Souza Leite; Luana Rosario; Guilherme Nunes; Wellington Santos Cinelli; Victor Machado Montes; Luis Henrique de Araújo Gouvêa(BRAZIL)
- (4) Research and Education in Mountainous Greece
Dimitris Kaliampakos (GREECE)
- (5) FLOWER PRODUCTION IN NOVA FRIBURGO: LOCAL POLICIES AND REGIONAL DEVELOPMENT
Filipe Gomes Paulo (BRAZIL)
- (6) BUILDING DIALOGUES BETWEEN FAMILY AGRICULTURE AND THE UNIVERSITY: THE ACTION OF THE JUNIOR COMPANY OF MEDICINE VETERINARY STUDENTS OF UFRRJ
Luana Monteiro Sôlha;Thays Figueiroa; Ana Carolynna Franco de Azevedo Bertuci; Isabelle Macedo; Renata Caneschi; Yasmin Sueli do Nascimento Rainha; Caio Nunes Christoffe Simões; Rafael do Valle Paiva(BRAZIL)

Sessão 14 (6 PRESENTATIONS)

Symposium Science and Technology for Innovation of Agricultural Practices and Processes in the Differentiation and Enhancement of Value Added of Mountain Products from the Latin American Perspective

(Symposium 13: The role of Science, Technology and Innovation for territorial development from Andean and Latin-American Perspectives + Symposium 20: Value-adding strategies from postharvest to fork: challenges and opportunities of small food and beverages production in mountain environments).

Conveners: Mariana Lima Bandeira; Fernando Lopez Parra (UASB, Ecuador); Cezar Guedes (UFRRJ, Brazil); Ryan Cobey (UDLA, Ecuador); ThadiaTuron Costa da Silva Almeida (Federal University of Rio de Janeiro – Brazil); Ana Paula Pegorer de Siqueira; Maria Ivone Martins Jacintho Barbosa; Lucia Helena de Almeida (Federal Rural University of Rio de Janeiro – Brazil); Maria Fernanda Costa de A.C. Fonseca (Pesagro-Rio – Brazil); Celso MerolaJunger; Fabiana Góes de Almeida (SFA-RJ/MAPA – Brazil); Mauro Sergio Vianello Pinto; Rodrigo Paranhos Monteiro (BrazilianAgriculturalResearch Corporation, Embrapa FoodAgrbusiness - Brazil); Julia Franco Stuchi (BrazilianAgriculturalResearch Corporation, Embrapa Soils - Brazil)

- (1) CONCILIATION BETWEEN TRADITION AND INNOVATION FOR THE RESILIENCE OF TRADITIONAL MOUNTAIN CHEESE VALUE-CHAINS: THE ROLE OF SOCIAL CAPITAL. EXAMPLE OF THE ARTISANAL SERRANO
Carine Pachoud; Markus Schermer (FRANCE)
- (2) HANDLING OF ORGANIC WASTE IN THE CENTRAL REGION OF THE DEPARTMENT OF BOYACÁ
Jose Francisco Garcia Molano (COLOMBIA)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (3) THE CONTRIBUTION OF TECHNOLOGY IN THE COMMUNITARIAN PROCESS OF SALINAS PARISH LOCATED AT THE PROVINCE OF BOLÍVAR - ECUADOR
Efraín Naranjo Borja; Cristina Acuña (ECUADOR)
- (4) SHORT SELLING CIRCUITS OF ORGANIC PRODUCTS: THE CASE OF NOVA FRIBURGO
Taila da Silva Guimaraes; Maria Fernanda de Albuquerque Costa Fonseca (BRAZIL)
- (5) CHALLENGES AND OPPORTUNITIES OF SMALL ORGANIC AGROINDUSTRIES IN THE CONTEXT OF THE PARTICIPATORY GUARANTY SYSTEM OF THE RIO DE JANEIRO BIOLOGICAL
Ana Paula Pegorer de Siqueira; Lucia Helena Maria de Almeida; Maria Fernanda de Albuquerque Costa Fonseca; Renato Linhares de Assis; Mauro Sergio Vianello Pinto (BRAZIL)
- (6) SOCIALIZATION OF TECHNICAL KNOWLEDGE FOR AGGREGATION OF VALUE IN ORGANIC AGRICULTURE
Mauro Vianello Pinto; Lucia Helena de Almeida, Roberto Luis Pires Machado, José Guilherme Marinho Guerra (BRAZIL)

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Sessão 15 (6 PRESENTATIONS)

Symposium 4. Rural Tourism and Agritourism in Mountain Areas as Vectors of Sustainable Development

Conveners: Bernadete da Conceição Carvalho Gomes Pedreira; Elaine Cristina Cardoso Fidalgo; Rachel Bardy Prado (BrazilianAgriculturalResearch Corporation, Embrapa Soils - Brazil).

- (1) FUTURE OF ETHNIC MINORITIES WITH TOURISM IN CHITTAGONG HILL TRACTS, BANGLADESHQ
Gabriel Tripura (BANGLADESH)
- (2) RURAL TOURISM AND AGRITOURISM IN MOUNTAIN AREAS AS VECTORS OF SUSTAINABLE DEVELOPMENT
Raphael Kwadwo Darko; Yao Ayitey (GHANA)
- (3) OPPORTUNITIES AND POTENTIALITIES OF RURAL TOURISM IN MOUNTAIN AREAS IN THE WEST OF PARANÁ
Samuel Fadanelli; Fábio Corbari; Vinicius Mattia; Jefferson dos Santos Vorpapel; Patrícia Inês Costa; Wilson João Zonin (BRAZIL)
- (4) AGRITOURISM AS A MEANS TO SUSTAINABLE DEVELOPMENT: CASE STUDY OF MOUNTAINOUS REGIONS OF SOUTHERN BRAZIL AND NORTHERN ITALY
Mikael Oliveira Linder; Andréa Castelo Branco Brasileiro (ITALY)
- (5) COLLABORATION AND TOURISM SUSTAINABILITY NETWORKS. CHALLENGES FOR VALUATION OF MOUNTAIN DESTINATIONS IN PORTUGAL - SERRA DA ESTRELA STUDY
Gonçalo José Poeta Fernandes; Hélder Sousa (PORTUGAL)
- (6) RETURNING TO THE ROOTS -RESPONSIBLE RURAL TOURISM
Reetu Sogani; Satyendra Singh (INDIA)

GUIDE: ABSTRACTS (ORAL AND POSTER)

Friday - December 14th - ORAL PRESENTATION GUIDE
PANEL 4 - (11:00 - 12:30 pm)

Sessão 16 (5 PRESENTATIONS)

Symposium 12. Mountain Agriculture and Field Education

Conveners: Leonardo de Abreu Voigt; Eduardo Spitz de Carvalho; Sandro Roberto Araújo Oitaven (Family Center of Formation in Alternation Agricultural State College Rei Alberto I – Brazil); Marília Lopes de Campos; Robledo Mendes da Silva (Federal Rural University of Rio Janeiro – Brazil)

- (1) CONTEXTUALIZATION OF EDUCATION REGARDING THE DIALOGUE OF KNOWLEDGE IN PEASANTS COMMUNITIES OF THE ANDEAN AREA IN BOYACÁ
Nubia Zoraida Plazas Leguizamón (COLOMBIA)
- (2) MEMORIES OF LIVES IN THE COUNTRYSIDE: THE GREEN REVOLUTION AND THE TRANSFORMATIONS IN THE "ARTS OF MAKING AND SOCIALIZING" OF THE WORKERS OF RURAL DISTRICTS OF THE FLUMINENSE MOUNTAIN RANGE. (NOVA FRIBURGO E SUMIDOURO) (1950-2000)
Gabriel Almeida Frazão; Jaqueline de Moraes Thurler Dália; Gilsiane Veiga de Freitas; Raíssa Pereira de Freitas Pinho (BRAZIL)
- (3) STRATEGIES FOR FRIENDLY FARMING PRACTICES ADOPTION IN FAMILY PRODUCTION UNITS IN THE MOUNTAIN REGION OF RIO DE JANEIRO STATE
Lúcia Helena Maria de Almeida; José Guilherme Marinho Guerra; Osmir Saiter; Ana Paula Pegorer de Siqueira; Manoel Francisco Beauclair de Siqueira (BRAZIL)
- (4) CONTRIBUTIONS FROM FAZENDINHA AGROCOLÓGICA KM 47 FOR AGROECOLOGICAL PRACTICES DISSEMINATION IN THE MOUNTAIN REGION OF RIO DE JANEIRO STATE
Livia Bischof Pian; Lucia Helena Maria de Almeida; José Guilherme Marinho Guerra; Renato Linhares de Assis; Luiz Augusto de Aguiar; Hugo de Souza Cerqueira; Alessandra de Carvalho Silva; Thaila Maria Costa Lisboa; Ana Paula Pegorer de Siqueira; Valdely Ferreira Kinupp; Luiz Fernando Duarte de Moraes; Roberto Luiz Pires Machado; Mauro Sergio Vianello Pinto; Maria Fernanda de Albuquerque Costa Fonseca; Gabriel Cássia Fortuna (BRAZIL)
- (5) FIELD EDUCATION AND ALTERNATION PEDAGOGY IN THE PROMOTION OF AGROECOLOGY IN THE MOUNTAINS OF RIO DE JANEIRO STATE
Sandro Roberto Oitaven; Robledo Mendes da Silva; Leonardo de Abreu Voigt; Eduardo Spitz de Carvalho; Marília Lopes de Campos (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

Sessão 17 (5 PRESENTATIONS)

Symposium 14. Mountain Cities: inclusive, safe, resilient and sustainable

Conveners: Milton Dines (CBME – Brazil); Sidnei Raimundo; Silvia Helena Zanirato; Antônio Carlos Sarti; Reinaldo Tadeu Boscolo Pacheco (EACH/USP – Brazil); Davis GruberSansolo (UNESP – Brazil); Ricardo Vedovello (Instituto Geológico, SMA/SP – Brazil)

- (1) WHERE THE WILD THINGS ARE? WILDLIFE AND HUMANS COEXISTING IN AN AFRICAN MONTANE TOWN
Aliza le Roux (SOUTH AFRICA)
- (2) SOCIO-ENVIRONMENTAL CHANGES IN THE HIMALAYAS FROM NEPAL'S URBANIZATION POLICIES- A CASE FOR URBAN SUSTAINABILITY POLICIES
Krisna Roka (NEPAL)
- (3) RESILIENCE APPLIED TO URBAN MOBILITY: A METHODOLOGICAL PROPOSAL
Vicente Aprigliano Fernandes (CHILE)
- (4) QUANTITATIVE ENERGY ASSESSMENT OF ACTIVE FAULT INFLUENCE ON MOUNTAIN HAZARDS
Su Pengcheng; WEI Fangqiang (CHINA)
- (5) INSELBERGS – A GLOBAL SYSTEM OF UNDEREXPLORED MOUNTAINS
Stefan Porembski; Luiza F. A. de Paula; Fernando A. O. Silveira; Aparna Watve; Marina Rabarimanarivo; Juliane Rexroth; Elycée Tindano; Bram Vanschoenwinkel; Stephen D. Hopper (GERMANY)

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Sessão 18 (4 PRESENTATIONS)

Symposium 17. Rural landscape and ecosystem services provision

Conveners: Rachel Bardy Prado; Elaine Cristina Cardoso Fidalgo (Brazilian Agricultural Research Corporation, Embrapa Soils - Brazil); Mariella Camardelli Uzêda; Luiz Fernando Duarte de Moraes (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil)

- (1) A MULTIVARIATE STUDY ON WATER QUALITY IN A MOUNTAINOUS WATERSHED IN MINAS GERAIS STATE
Guilherme Pires de Campos Godoy Valvasori; Marcos Antônio Pedlowski (BRAZIL)
- (2) COLLECTIVE CONSTRUCTION OF MULTIFUNCTIONAL LANDSCAPES BASED ON ECOLOGICAL INTENSIFICATION
Mariella Camardelli Uzêda; Julian Wilmer; Fernando Rocha; Rodrigo Condé (BRAZIL)
- (3) THE ECONOMICS OF ECOSYSTEMS & BIODIVERSITY (TEEB) INITIATIVE IN THE PARAIBA DO SUL RIVER BASIN (SP)
Veronica Maioli; AgnieszkaLatawiec; Bernardo Strassburg; Álvaro Iribarrem; LuisaLemgruber; Catarina Jacovac; André Junqueira; Renato Crouzeilles; Fernanda Tubenchlak; Helena Nery-Pinto; Ana Castro; Erik Lino (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (4) ENVIRONMENTAL FUNCTIONALITIES OF UPPER MONTANE ECOSYSTEMS OF THE SERRA DO MAR OF SOUTHERN BRAZIL

Mauricio Bergamini Scheer (BRAZIL)

Sessão 19 (5 PRESENTATIONS)

Symposium 24. Methodological strategies to construction of territorial identities applied to mountain zones in a social innovation perspective

Conveners: Cristhiane Amâncio (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil); Marcos Borba (Brazilian Agricultural Research Corporation, Embrapa Pecuária Sul - Brazil)

- (1) CUENCAS VIVAS: INTEGRATING CULTURAL KNOWLEDGE AND ENVIRONMENTAL VALUES FOR THE CONSERVATION OF WATERSHEDS AND MOUNTAIN ECOSYSTEMS. CORDÓN DEL PLATA, POTRERILLOS

Tania Bilbao; Leticia Vega; Mariela Perez Galvez; Agustina Randis; Gerónimo Piran; Laura Moyano; Emanuel Cruces; Damián Mariotti; Silvia Claver; Osvaldo Bordonaro; Mariangel Centeno; Corina Cabeza; Leticia Gelvez (ARGENTINA)

- (2) NETWORKS AND RECIPROCITY IN RURAL AREAS: TIES THAT COME TOGETHER THROUGH ORGANIC (BIOLOGICAL) AGRICULTURE

Nádia Jarouche Aun; Renato Linhares de Assis; Orlando Rodrigues (BRAZIL)

- (3) AGROECOLOGICAL PRACTICES IN THE SERRANA REGION OF THE STATE OF RIO DE JANEIRO: PARTICIPATORY KNOWLEDGE BUILDING FOR SUSTAINABILITY

Víctor Dantas Wittmann; Camila Serena de Souza Pinto (BRAZIL)

- (4) ROLE OF PROXIMITY AND TRUST RELATIONS IN THE PROCESS OF TERRITORIAL GOVERNANCE IN TRADITIONAL MOUNTAIN CHEESE VALUE CHAINS. EXAMPLE OF THE ARTISANAL SERRANO CHEESE VALUE CHAIN

Carine Pachoud; Martin Coy (FRANCE)

- (5) VOLUNTEERISM FOR COMMUNITY RESILIENCE IN THE HIGHLANDS OF GUATEMALA

Consuelo Fernandez (GUATEMALA)

*Friday - December 14th - POSTER PRESENTATION GUIDE
(15:30 - 16:15 pm)*

Symposium 1. Mountain Agriculture and Agroecology

Conveners: Adriana Maria de Aquino; Renato Linhares de Assis; José Antonio Azevedo Espíndola; Orivaldo José Saggin Junior (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil); Margarida Maria Pereira Arrobas Rodrigues (Mountain Research Center, CIMO - Portugal)

- (1) PERFORMANCE OF FARMERS IN RIO DE JANEIRO MOUNTAINS ENVIRONMENTS

Eltón de Oliveira; Adriana Maria de Aquino; Renato Linhares de Assis; João Carlos Correia Baptista Soares de Mello; Lidia Angulo Meza (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (2) EVALUATION OF THE IMPACTS OF THE USE OF GREEN MANURE WITH BLACK OATS ON FAMILY PRODUCTION SYSTEMS IN MOUNTAIN ENVIRONMENTS IN THE STATE OF RIO DE JANEIRO - BRAZIL
Edson Martins; Renato Linhares de Assis; Adriana Maria de Aquino(BRAZIL)
- (3) THE PERCEPTION OF FAMILY FARMERS IN MOUNTAIN ENVIRONMENTS OF NOVA FRIBURGO (BRAZIL) ON THE USE OF COVERING PLANTS
Ricardo Edson Salles; Adriana Maria de Aquino; Renato Linhares de Assis (BRAZIL)
- (4) DYNAMICS OF DRY MATTER INTAKE, N AND C CONTENT IN WHITE LUPINE AND BLACK OATS IN NOVA FRIBURGO (BRAZIL)
Ricardo Edson Salles; Adriana Maria de Aquino; Renato Linhares de Assis (BRAZIL)
- (5) HERBICIDE INFLUENCE ON SOIL MACROFAUNA IN MOUNTAIN ENVIRONMENT
Tayana Galvão Scheiffer de Paula Antunes; Adriana Maria de Aquino; Renato Linhares de Assis (BRAZIL)
- (6) ANALYSIS OF AGROECOSYSTEMS AS AN AGROECOLOGICAL PROPOSAL FOR FAMILY FARMING IN MOUNTAIN ENVIRONMENT IN BRAZIL AND ARGENTINA
Ana Marta Chacon Ferreira; Adriana Maria de Aquino, Renato Linhares de Assis; Gustavo Cimadevilla (BRAZIL)
- (7) PARTICIPATIVE EVALUATION OF SOIL QUALITY AND CROP HEALTH IN FAMILY PRODUCTION SYSTEMS FOR THE CONSTRUCTION OF INTEGRATED MANAGEMENT OF CLUB ROOT
Eduardo Spitz de Carvalho; Adriana Maria de Aquino; Renato Linhares de Assis (BRAZIL)
- (8) PARTICIPATORY EVALUATION OF SUSTAINABILITY OF AGROECOSYSTEMS UNDER DIRECT PLANTING IN THE MUNICIPALITY OF NOVA FRIBURGO, STATE OF RIO DE JANEIRO, BRAZIL
Maria Clara Estoducto Pinto; Adriana Maria de Aquino; Renato Linhares de Assis (BRAZIL)
- (9) AGROECOLOGICAL BACKYARDS: MONTANE TERRITORIAL IDENTITY OF PEASANT-BASED FAMILY FARMERS IN RIO DE JANEIRO STATE - BRAZIL
Alessandro Melo Rifan; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)
- (10) MOUNTAIN FARMING AT BONFIM AND JACÓ COMMUNITIES IN THE SERRA FLUMINENSE REGION – BRAZIL
André Luiz Corrêa; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)
- (11) AGROECOLOGY AND INSTITUTIONAL MARKETS: STRATEGIES FOR SUSTAINABILITY IN MOUNTAIN ENVIRONMENTS OF NOVA FRIBURGO, BRAZIL
Iranilde de Oliveira Silva; Renato Linhares de Assis, Facundo Martín Garcia (BRAZIL)
- (12) USE OF ALTERNATIVE PLANT PROTECTION PRODUCTS AND BIOCONTROL AGENTS FOR AGRO-ECOLOGICAL PHYTOSANITARY MANAGEMENT OF VEGETABLES IN THE FAMILY PRODUCTION SYSTEM OF NOVA FRIBURGO, BRAZIL
Renato Linhares de Assis; Luiz Augusto Aguiar; José Guilherme Marinho Guerra; Alessandra de Carvalho Silva; Adriana Maria de Aquino; Marcelo Perrone Ricaldi (BRAZIL)
- (13) PUBLIC POLICY STRATEGIES FOR FAMILY FARMING STRENGTHENING IN BARÃO DE COCAIS' MOUNTAIN ENVIRONMENTS - BRAZIL
Rejane Beatriz Mendes; Renato Linhares de Assis (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (14) DEVELOPMENT OF AGRO ECOLOGICAL BASED ORGANIC PRODUCTION IN THE MOUNTAIN ENVIRONMENTS OF THE STATE OF RIO DE JANEIRO
Ana Paula Pegorer de Siqueira; Renato Linhares de Assis (BRAZIL)
- (15) DEVELOPMENT, SUSTAINABILITY AND AGRICULTURE: PEASANTRY IN MOUNTAIN ENVIRONMENTS
Gerson José Yunes Antonio; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)
- (16) FORRAGE PEANUT AS LIVING MULCH IN ORCHARDS OF PERSIMMON
Ricardo Belo Costa; José Antonio Azevedo Espindola; José Guilherme Marinho Guerra (BRAZIL)
- (17) PERSIMMON: CONSOLIDATED OPTION FOR MOUNTAIN AGRICULTURE
Alexandre Jacintho Teixeira (BRAZIL)
- (18) HOPS - A CULTIVATION OPTION FOR MOUNTAIN AGRICULTURE
Alexandre Jacintho Teixeira (BRAZIL)
- (19) CHEMICAL COMPOSITION OF CASCADE HOP VOLATILES IN PELLETS AND CASCADE IN FLOWER CULTIVATED IN BRAZIL BY HS-SPME-GC-MS
Paulo Roberto Celles Cordeiro; (BRAZIL)
- (20) AGROECOLOGY AND ORGANIC AGRICULTURE IN LOCAL RURAL DEVELOPMENT: CASE STUDY IN THE AGROECOLOGICAL ASSOCIATION OF TERESÓPOLIS, RJ
Deise Keller Cavalcante (BRAZIL)
- (21) AGROFORESTRY SYSTEMS DESIGN FOR MONTANE OMBROPHYLOUS FOREST IN SERRA DO BRIGADEIRO-MG
Bruno Nery Fernandes Vasconcelos; Guilherme Pires de Campos Godoy Valvasori; Demian Santiago Sales; Leandro Santana Moreira (BRAZIL)
- (22) ORGANIC CARBON IN DIFFERENT AREAS OF CULTIVATION IN THE MUNICIPALITY OF BOM JARDIM, RJ
Hugo de Souza Fagundes (BRAZIL)
- (23) ORGANIC LIGHT IN CULTIVATION AREAS IN THE SERRANA REGION OF THE STATE OF RIO DE JANEIRO
Hugo de Souza Fagundes (BRAZIL)
- (24) WATER BALANCE STUDIES IN FERRALSOLS AND ACRISOLS IN COFFEE PLANTATIONS AND PASTURES ON THE MOUNTAINOUS REGION IN NORTHWESTERN OF RIO DE JANEIRO - BRAZIL
Beatriz César Maestá; Wenceslau Teixeira, Alexandre Ortega Gonçalves, José Francisco Lumbreras (BRAZIL)
- (25) QUALITY OF PURPLE PASSION FRUIT GROWN UNDER ORGANIC AND CONVENTIONAL MANAGEMENT SYSTEMS FOR INDUSTRY USAGE
Leirson Rodrigues da Silva; Stéfanny Aparecida Ribeiro; Regina Celi Cavestré Coneglian; Raul Castro Carriello Rosa; Maria Ivone Martins Jacintho Barbosa; Lilia Aparecida Salgado de Morais (BRAZIL)
- (26) POSTHARVEST QUALITY OF 'PRATA' BANANA PRODUCED IN ORGANIC CULTIVATION SYSTEM
Leirson Rodrigues da Silva; Bruna Emygdio Auriema; Ricardo Amaro Sales; Raul Castro Carriello Costa; Simone Pereira Mathias (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (27) AGROECOLOGICAL TRAINING FOR YOUNG CITIZENS OF RIO DE JANEIRO
Shirlene Consuelo Alves Barbosa; Antônio Carlos de Souza Abboud (BRAZIL)
- (28) EVALUATION OF THE ENVIRONMENTAL ASPECTS AND IMPACTS OF THE OLIVICULTURE PRODUCTION METHODS IN A TROPICAL MOUNTAIN ECOSYSTEM: A CASE STUDY IN TERESÓPOLIS / RJ
Jessica Santos Silva; Maria Isabel Lopes da Costa (BRAZIL)
- (29) CULTIVATION OF VELVET BEAN IN NO-TILLAGE SYSTEM UNDER ORGANIC PRODUCTION MANAGEMENT
Camilla Santos Reis de Andrade da Silva; Jhonatan Marins Goulart; Daniel Garcia de Souza; Adriano Alvim Rocha; José Guilherme Marinho Guerra; José Antonio Azevedo Espindola; Ednaldo da Silva Araújo (BRAZIL)
- (30) PUBLIC POLICIES FOR THE QUALIFICATION OF ECOLOGICALLY BASED AGRICULTURAL PRODUCTION: THE CASE OF SAT CERTIFICATION - NO AGROCHEMICALS IN THE STATE OF MINAS GERAIS
Jeferson Paes dos Santos; Maria Fernanda de Albuquerque Costa Fonseca (BRAZIL)
- (31) TECHNICAL ASSISTANCE AND RURAL EXTENSION (ATER) IN THE SERRANA REGION. ATER SUSTAINABILITY PROJECT SERRANA
Víctor Dantas Wittmann (BRAZIL)
- (32) BIOINSUMES FOR PRODUCTION OF OLIVE GROVES SEEDLINGS IN MOUNTAIN ENVIRONMENT
Cláudia Fortes; Marco Antônio de Almeida Leal; Adriana Maria de Aquino (BRAZIL)
- (33) THE UPPER PART OF THE GRANDE RIVER BASIN (NOVA FRIBURGO/RJ): ENVIRONMENTAL DYNAMICS AND SMALL PRODUCTION
Karine Bueno Vargas; Andrea Carmo Sampaio; Priscila Sales; Kim Tiba (BRAZIL)
- (34) PROSPECTION OF RESIDUES FOR USE IN THE ORGANIC AGRICULTURE OF THE SERRANA REGION OF RIO DE JANEIRO
Kim Tiba Ferreira; Stefania Luiza Marques Tieppo; Rachel Bardy Prado; Ednaldo da Silva Araújo (BRAZIL)
- (35) ETHNOTOURISM AND AGROECOLOGY, POSSIBLE WAY TO CONSOLIDATE THE TOURISTIC ROUTES IN THE BANANAL - PACARAÍMA COMMUNITY
Alexsandro Soares de Paula; Wilson da Silva Lessa Junior (BRAZIL)

Symposium 3. Biosphere Reserves in mountain regions: resilience and adaptation to global changes

Conveners: Andres Moreira-Munoz; Pablo Mansilla (Pontificia Universidad Católica de Valparaíso – Chile); Ricardo Rozzi (North Texas University - USA); Rodrigo Calcagni (Parques para Chile Network - Chile); Marcelo Leguía (Universidad de Playa Ancha - Chile)

- (1) LIFESTYLE MIGRATION AND THE NASCENT AGROECOLOGICAL MOVEMENT IN THE BIOSPHERE RESERVE LAS ARAUCARIAS, CHILE: IS IT PROMOTING SUSTAINABLE LOCAL DEVELOPMENT?
Carla Marchant; Graciela Castet; Ana Jara (CHILE)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (2) HOW PRIVATE CONSERVATION CAN IMPROVE REGIONAL DEVELOPMENT – TWO CASE STUDIES FROM SOUTHERN CHILE

Benedikt Hora (AUSTRIA)

Symposium Science, population and local governments as allies for conservation and sustainable development in mountain environment

(**Symposium 5**: Population and Local Governments as Allies in the Sustainable Use of Biodiversity as a Strategy for the Mountain Ecosystems Conservation + **Symposium 22**: How Much Science vs How Much Practice? Bridging 'The Sustainable Development' Chasm in Africa's Mountains).

Conveners: Izar AraujoAximoff (Escola Nacional de Botânica Tropical do Instituto de Pesquisas do Jardim Botânico do Rio de Janeiro – Brazil); André Assis (Ministério da Agricultura, Pecuária e Abastecimento – Brazil); Amazile López (Secretaria Municipal de Meio Ambiente e Desenvolvimento Urbano Sustentável de Nova Friburgo – Brazil); Vincent Ralph Clark (University of Pretoria - South Africa); Rob Marchant (University of York - United Kingdom); Bob Nakileza (Makerere University, Uganda)

- (1) POPULATION AND LOCAL GOVERNMENTS AS ALLIES IN THE SUSTAINABLE USE OF BIODIVERSITY AS A STRATEGY FOR THE MOUNTAIN ECOSYSTEMS CONSERVATION

Leonardo CiuffoFaver; Graciela Castet; Ana Jara (BRAZIL)

- (2) SOCIAL MOBILIZATION AGAINST THE BILL 527/2016 UPON REDUCTION IN THE ESCARPA DEVONIANA ENVIRONMENTAL PROTECTED AREA, PARANÁ STATE, BRAZIL

Lucas Antiqueira; RosemeriSegecin Moro; Lia Maris Orth RitterAntiqueira; DanisleiBertoni; Katya de Lima Picanço (BRAZIL)

- (3) OBSTACLES AND PERSPECTIVES OF THE STATE ENVIRONMENTAL LEGISLATION OF THE RJ APPLIED IN THE MOUNTAIN REGION

Camila Serena de Souza Pinto (BRAZIL)

Symposium Adaptation to climate change and risk reduction for natural disasters in mountain regions.

(**Symposium 9**: Climate Change Adaptation in mountains regions + **Symposium 16**: Responses of natural disasters to climate change and disaster risk reduction).

Conveners: Joyce M G Monteiro (BrazilianAgriculturalResearch Corporation, Embrapa Soils - Brazil); Qiu Dunlian (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China); Cui Peng (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China); Irasema Alcántara-Ayala (Institute of Geography, National Autonomous University of Mexico – Mexico)

- (1) URBAN AND RURAL MICRO-WATERSHEDS OF TROPICAL MOUNTAIN ECOSYSTEMS: CASE STUDY IN TERESÓPOLIS-RJ

Maria Isabel Lopes da Costa (BRAZIL)

- (2) DISASTER RISK PERCEPTION AND RISK GOVERNANCE IN THE MOUNTAINOUS REGIONS. STUDY CASE OF THE STATE OF RIO DE JANEIRO

Alicia Bustillos; MarieleEvers (GERMANY)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (3) EARLY FORECASTING METHOD OF GLACIAL LAKE OUTBURST FLOODS BASED ON TEMPERATURE AND RAINFALL INDEX

Liu Jingjing; Cheng Zunlan (CHINA)

- (4) ROCK SLIDES COMBINED WITH ROCK AVALANCHES: THE ENTUPIDO CREEK, SERRA DA MANTIQUEIRA, BRAZIL

Jefferson de Lima Picanço; Ewerton Guimarães; Celso Aluisio Graminha (BRAZIL)

Symposium 11. Exchange of experiences and local public policies that can collaborate with the sustainable development of municipalities and localities

Convener: Leonardo CiuffoFaver (Emater-Rio – Brazil)

- (1) PUBLIC POLICIES FOR RURAL DEVELOPMENT: THE CASE OF FERTILITY IN HORTICULTURE IN PETRÓPOLIS IN THE MOUNTAINS OF THE FLUMINENSE SERRANA REGION

Leonardo CiuffoFaver (BRAZIL)

- (2) TECHNICAL, ECONOMIC AND SOCIAL ADVICE FOR AGRARIAN REFORM: THE CEDRO COOPERATIVE WORK IN THE STATE OF RIO DE JANEIRO

Rafael do Valle Paiva; Cesar Augusto Miranda Guedes (BRAZIL)

- (3) GEOTECHNOLOGIES FOR THE PLANNING OF PUBLIC POLICIES FOR THE AGROECOLOGICAL TRANSITION: CASE STUDY IN THE HYDROGRAPHIC MICROBASIN OF BARRAÇÃO DOS MENDES, NOVA FRIBURGO, RJ

Daniel Dias; Margarida Goréte Ferreira do Carmo (BRAZIL)

- (4) WOMEN'S SUBVERSION: AN EXPERIMENT IN SEARCH OF WOMEN'S RECOGNITION AND GENDER EQUALITY IN FAMILY AGRICULTURE

Isabelle Ferreira Macedo; Renata Caneschi; Thays Figueiroa; Ana Carolynna Franco de Azevedo Bertuci; Yasmin Sueli do Nascimento Rainha; Caio Nunes Christoffe Simões; Luana Sôlha; Rafael do VallePAIVA (BRAZIL)

- (5) THE JUNIOR COMPANY AS A SOCIAL TECHNOLOGY FOR FAMILY AGRICULTURE – THE IMPORTANCE OF COMPLEMENTARY THERAPIES AND VETERINARY MEDICINE

Isabelle Ferreira Macedo; Thays Figueiroa; Ana Carolynna Franco de Azevedo Bertuci; Renata Caneschi; Yasmin Sueli do Nascimento Rainha; Caio Nunes Christoffe Simões; Luana Sôlha; Rafael do Valle PAIVA (BRAZIL)

Symposium 12. Mountain Agriculture and Field Education

Conveners: Leonardo de Abreu Voigt; Eduardo Spitz de Carvalho; Sandro Roberto Araújo Oitaven (Family Center of Formation in Alternation Agricultural State College Rei Alberto I – Brazil); Marília Lopes de Campos; Robledo Mendes da Silva (Federal Rural University of Rio Janeiro – Brazil)

- (1) THE TRAINING OF THE TECHNICIAN IN AGRICULTURE OF THE INTERESCOLAR CENTER OF AGRICULTURE (CIA) JOSE FRANCISCO LIPPI-TERESÓPOLIS-RJ

Cláudia Fortes; Marlene Cupertino Pacheco Fernandes (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (2) AGROECOLOGICAL MANDALA PROJECT: BENEFITING HEALTH, RURAL WAYS OF LIFE AND SOCIO ECOLOGICAL ENVIRONMENT IN MOUNTAIN REGION

Eduardo Spitz de Carvalho; Sandro Roberto Araújo Oitaven, Leonardo Voigt, Paulo César Lourenço, José Antônio dos Santos (BRAZIL)

Symposium Science and Technology for Innovation of Agricultural Practices and Processes in the Differentiation and Enhancement of Value Added of Mountain Products from the Latin Perspectives

(Symposium 13: The role of Science, Technology and Innovation for territorial development from Andean and Latin-American Perspectives + Symposium 20: Value-adding strategies from postharvest to fork: challenges and opportunities of small food and beverages production in mountain environments)

Conveners: Mariana Lima Bandeira; Fernando Lopez Parra (UASB, Ecuador); Cezar Guedes (UFRRJ, Brazil); Ryan Cobey (UDLA, Ecuador); Thadia Turon Costa da Silva Almeida (Federal University of Rio de Janeiro – Brazil); Ana Paula Pegorer de Siqueira; Maria Ivone Martins Jacintho Barbosa; Lucia Helena de Almeida (Federal Rural University of Rio de Janeiro – Brazil); Maria Fernanda Costa de A.C. Fonseca (Pesagro-Rio – Brazil); Celso Merola Junger; Fabiana Góes de Almeida (SFA-RJ/MAPA – Brazil); Mauro Sergio Vianello Pinto; Rodrigo Paranhos Monteiro (Brazilian Agricultural Research Corporation, Embrapa Food Agribusiness - Brazil); Julia Franco Stuchi (Brazilian Agricultural Research Corporation, Embrapa Soils - Brazil)

- (1) GEOGRAPHICAL INDICATION OF COFFEE OF SAO MANTIQUEIRA AS A TOOL FOR TERRITORIAL DEVELOPMENT

Maria Helena Facirolli Sobrinho; Cesar Augusto Miranda Guedes (BRAZIL)

- (2) MANAGEMENT SYSTEMS PERSPECTIVES: AN INTEGRATIVE APPROACH TO SUSTAINABILITY DIMENSIONS IN TROPICAL MOUNTAIN ECOSYSTEMS MICRO-WATERSHEDS

Maria Isabel Lopes da Costa (BRAZIL)

Symposium 14. Mountain Cities: inclusive, safe, resilient and sustainable.

Conveners: Milton Dines (CBME – Brazil); Sidnei Raimundo; Silvia Helena Zanirato; Antônio Carlos Sarti; Reinaldo Tadeu Boscolo Pacheco (EACH/USP – Brazil); Davis Gruber Sansolo (UNESP – Brazil); Ricardo Vedovello (Instituto Geológico, SMA/SP – Brazil)

- (1) 10 ESSENTIAL STEPS FOR THE CONSTRUCTION OF RESILIENT CITIES TO DISASTERS: THE MUNICIPALITY OF TRÊS RIOS/RIO DE JANEIRO-BRAZIL

Sady Júnior Martins da Costa de Menezes; Tamiris Monteiro Ayres; Yuri Tomaz Martins (BRAZIL)

- (2) MOUNTAIN CITIES IN IRAN, ATTRACTIONS FOR ECOTOURISM: KUH KANDS (CARVED IN MOUNTAINS)

Ahmad Mahdavi(IRAN)

Symposium 15. Conservation of Mountain Landscape and Sustainable Development

Conveners: Mônica Alves Amorim (Federal University of Ceará – Brazil); Adriana Maria de Aquino; Renato Linhares de Assis (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil)

GUIDE: ABSTRACTS (ORAL AND POSTER)

(1) PRIORITISING CLIMATE-RESILIENT OPTIONS FOR BUILDING SUSTAINABLE MOUNTAIN ROADS, USING MULTI-OBJECTIVE APPROACH

Aditi Paul (INDIA)

(2) AN ITERATED GIS-BASED MULTI-CRITERIA DECISION ANALYSIS TO SELECT CONSERVATION STRATEGIC AREAS IN MOUNTAINOUS REGIONS

Enrique Angel-Sanint; Lorena Tatiana Cortés-Izquierdo; Daniel Gonzalez-Duque (COLOMBIA)

(3) FERTILITY IN SOILS CULTIVATED WITH PARSLEY IN THE MUNICIPALITY OF NOVA FRIBURGO - RJ, BRAZIL

Júlio César Ribeiro; Nelson Moura Brasil do Amaral Sobrinho; Everaldo Zonta (BRAZIL)

(4) HEAVY METALS IN SOILS CULTIVATED WITH LETTUCE IN THE MUNICIPALITY OF NOVA FRIBURGO-RJ, BRAZIL

Júlio César Ribeiro; Everaldo Zonta, Nelson Moura Brasil do Amaral Sobrinho (BRAZIL)

(5) ORGANIC CARBON OF SOIL IN AREAS WITH ORGANIC AND BIODYNAMIC CULTIVATION IN SIERRA DA MANTIQUEIRA - MARIA DA FÉ, MG

Yan Vidal de F. G. Diniz; Otavio Augusto Queiroz dos Santos; Everaldo Zonta; Marcos Gervasio Pereira; Júlio César Ribeiro (BRAZIL)

(6) CHEMICAL ATTRIBUTES OF THE SOIL IN AREAS OF DIFFERENT SYSTEMS OF USE AND MANAGEMENT IN THE MANTIQUEIRA SERRA - MARIA DA FÉ, MG

Yan Vidal de F. G. Diniz; Otavio Augusto Queiroz dos Santos; Everaldo Zonta; Marcos Gervasio Pereira; Júlio César Ribeiro (BRAZIL)

(7) CABIN, MANGANESE, LEAD AND COBALT IN AREAS UNDER CONSERVATIONIST MANAGEMENT IN SERRA DA MANTIQUEIRA - MARIA DA FÉ, MG

Otavio Queiroz; Yan Vidal de Figueiredo Gomes Diniz; Everaldo Zonta; Júlio César Ribeiro; Marcos Gervasio Pereira (BRAZIL)

(8) GRANULOMETRIC FRACTIONATION OF ORGANIC MATTER IN AREAS UNDER CONSERVATIONIST MANAGEMENT IN SERRA DA MANTIQUEIRA- MARIA DA FÉ, MG

Otavio Queiroz; Yan Vidal de Figueiredo Gomes Diniz; Everaldo Zonta; Júlio César Ribeiro; Marcos Gervasio Pereira (BRAZIL)

(9) ENVIRONMENTAL CONSERVATION AND ECONOMIC ACTIVITIES IN THE BRAZILIAN MOUNTAINS - STUDY IN THE MOUNTAIN REGION OF THE RIO DE JANEIRO STATE

Gerson José Yunes Antonio; Renato Linhares de Assis; Adriana Maria de Aquino (BRAZIL)

(10) SOIL INVERTEBRATE MACROFAUNA IN CULTIVATION OF BLACK OATS IN THE MUNICIPALITY OF NOVA FRIBURGO, RJ

Sandra Santana de Lima; Rafaela Gonçalves da Silva; Douglath Alves Correia Fernandes; Adriana Maria de Aquino; Marcos Gervasio Pereira (BRAZIL)

(11) FAST DIAGNOSIS OF SOIL STRUCTURE AS A FIELD INDICATOR OF PASTURES DEGRADATION STAGES

Thamires Valle; Renato de Aragão Ribeiro Rodrigues; Fabiano de Carvalho Balieiro; Ademir Fontana; Fernando Vieira Cesario; Marcella Leal Santos; Fernanda Figueiredo Granja Dorilêo Leite; Tainá Altomar Linhares; Mirelly Mioranza; Guilherme Kangussú Donagemma (BRAZIL)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (12) PRODUCTION OF DRY MASS AND DECOMPOSITION OF BLACK OAT STRAW IN THE AREA OF VEGETABLE PRODUCTION

Nivaldo Schultz (BRAZIL)

- (13) CHARACTERIZATION OF MILK PRODUCTION SYSTEMS IN FAMILY FARMS, PRODUCING ARTISANAL CHEESE, IN THE SERRA DA MANTIQUEIRA REGION

Gabriele Medeiros dos Santos; Maria de Fátima Ávila Pires; João Paulo de Matos; Nívea Maria Vicentini; Fabio Homero Diniz; André Luiz Resende Araújo; Júlio César Fleming Seabra (BRAZIL)

- (14) PRIORITIZATION OF SUB-BASINS FOR RESTORATION OF ECOSYSTEMS IN AREAS SUSCEPTIBLE TO SOIL LOSS AND WATER QUALITY IN THE MOUNTAINOUS REGIONS OF THE PIABANHA BASIN – AREAL CITY, RIO DE JANEIRO/BRAZIL

Yuri Tomaz Martins; Sady Junior Martins da Costa de Menezes; Erika Cortines; Tamiris Monteiro Ayres(BRAZIL)

- (15) AGROFORESTRY SYSTEMS FOR LANDSCAPE RESTORATION: THE CASE OF RIO DE JANEIRO STATE, BRAZIL

Fernanda Tubenclak; Guilherme Strauch, Eiser Luiz da Costa Felipe, Ana Paula Pegorer Siqueira, Bernardo Baeta Neves Strassburg(BRAZIL)

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Symposium17. Rural landscape and ecosystem services provision

Conveners: Rachel Bardy Prado; Elaine Cristina Cardoso Fidalgo (Brazilian Agricultural Research Corporation, Embrapa Soils - Brazil); Mariella Camardelli Uzeda; Luiz Fernando Duarte de Moraes (Brazilian Agricultural Research Corporation, Embrapa Agrobiology - Brazil)

- (1) CAN AGROFORESTRY SYSTEMS MEET THE PRINCIPLES OF FOREST LANDSCAPE RESTORATION?

Renato Silva Nazário; Luiz Fernando Duarte de Moraes (BRAZIL)

- (2) WATER AND FORESTS PRODUCERS: EXPERIENCE AND EXPECTATIONS

Gabriela Teixeira; Caroline Lopes; Décio Tubbs (BRAZIL)

Symposium19. Sustainable territorial development in arid mountains? Paths and current challenges

Conveners: Silvia Robledo (Universidad Nacional de Cuyo – Argentina); Sebastián Crespo (Pontificia Universidad Católica de Valparaíso – Chile); Facundo Martín; Diego Bombal; Marcelo Giraud; Facundo Rojas; Rosa Schilan; Natalia Puccarelli; Martha Bernabeu (Universidad Nacional de Cuyo – Argentina); Andrés Moreira Muñoz (Universidad Católica de Valparaíso – Chile); Camilo Veas; Ariel Muñoz Navarro; Pablo Mansilla Quiñones (Universidad Católica de Valparaíso – Chile)

- (1) BETWEEN PROTECTION AND EXPLOITATION. NATURE CONSERVATION POLICIES IN THE ARGENTINEAN ARID ANDES: MENDOZA AND SAN JUAN, 1990-2015

Diego Bombal; Leonidas Aguirre (ARGENTINA)

- (2) LAND USE AND LAND COVER CHANGE (LULCC) IN MENDOZA AND TUNUYÁN RIVER BASINS. 1986-2018. (MENDOZA-ARGENTINA)

Martín Iván Rizzo; Facundo Rojas, Facundo Martín, María Cecilia Rubio, Nur Akil y María Marta Bernabeu (ARGENTINA)

GUIDE: ABSTRACTS (ORAL AND POSTER)

- (3) SOCIO-ENVIRONMENTAL CONFLICTS AND TECHNICAL DISCUSSION OVER FRACKING IN MENDOZA

Lucrecia Wagner; Marcelo Giraud (ARGENTINA)

Symposium23. Earth surface patterns and processes & ecological conservation for sustainable mountain development – towards scientific cooperation along the Belt and Road.

Conveners: Wei Deng (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences – China); Jinming Hu (Yunnan University – China)

- (1) FUNCTION ZONING OF TERRITORIAL SPACE BASED ON RESOURCE AND ENVIRONMENT CARRYING CAPACITY IN KARST MOUNTAIN AREAS

Zhao Xiaoqing; Pu Junwei (CHINA)

- (2) THE RESPONSE OF FOREST DYNAMICS TO HYDRO-THERMAL CHANGE IN FUNIU MOUNTAIN

Zhang Zhenyu; Zhang Xiao dong; Cui Yaoping; Zhang Jingjing; Zhu Ulianqi (CHINA)

- (3) EVALUATION OF GEOPOLITICAL INFLUENCE UNDER THE BACKGROUND OF CLIMATE CHANGE

Mou Chufu; Wang Limao; Xiong Chenran (CHINA)

- (4) EPIGENETIC VARIATION MAY CONTRIBUTE TO THE ACCLIMATION OF A CLONAL INVASIVE PLANT TO NEW ENVIRONMENTS

Yupeng Geng; Shi Wen; Xiaokun Ou (CHINA)

Symposium 25. Open session

- (1) MOUNTAINS OF INDIA: CONSTRUCTING AND REINFORCING THE PERIPHERAL

Mridula Paul (INDIA)