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TIME ZONE: EEDT (GMT+3, UTC+3)

Monday, 3 May 2021				
10.00-10.30	CONGRESS OPENING			
	Welcoming words Erki Niitlaan, Chair of the 16th International Peatland Congress			
	Welcoming words Tõnis Mölder, Estonian Minister of the Environment			
	Welcome note and congress opening Marko Pomerants, President of the International Peatland Society			
10.30-11.50	KEYNOTE SESSION			
10.30-11.10	ESTONIAN MIRES AND MIRE FORESTS Jaanus Paal, University of Tartu, Estonia			
11.10-11.50	THE VALUE OF PEATLANDS Robert Costanza, Australian National University, Australia			
11.50-12.00	Short Break			
12.00-12.40	SESSION 1 VII Emerging technologies and techniques for peatlands and peat research	SESSION 2 - III Regulating services	SESSION 3 VI Protection and reclamation of peatlands	SESSION 4 I Provisioning services
	Moderator: Ain Kull	Moderator: Sabine Jordan	Moderator: Jaanus Paal	Moderator: Martin Küttim
12.00-12.20	ID 73359 LANDSCAPE-LEVEL ESTIMATION OF BELOWGROUND CARBON STORAGE IN COASTAL TROPICAL PEATLANDS OF WEST KALIMANTAN, INDONESIA Asep Andi Yusupm, PT. Mayangkara Tanaman Industri/PT. Wana Subur Lestari, Indonesia	ID 61434 EXPERIMENTAL EVIDENCE FOR RETENTION OF SULPHUR AND IRON IN REWETTED PEAT Lydia Roesel, Research Institute of post-mining landscapes Finsterwalde; Humboldt-Universität zu Berlin, Germany	ID 61527 THE SOUTHERNMOST EDGE-OF-RANGE OF BLANKET BOGS IN EUROPE Guaduneth Chico, Nottingham Trent University, United Kingdom	ID 61475 BALNEOLOGICAL PEAT IN ESTONIA – RESOURCES AND PROPERTIES Mall Orru, Institute of Geology, Tallinn University of Technology, Estonia

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	ID 62701	ID 62768	ID 61487	
12.20-12.40	ELMIS - RE-MAPPING OF THE PEATLANDS OF THE EMSLAND REGION AS THE BASE FOR A PEATLAND INFORMATION SYSTEM FOR THE FUTURE TASKS OF NATURE AND CLIMATE PROTECTION Bernd Hofer, Hofer & Pautz GbR, IPS Commission Peatlands and Environment, Germany	THE IMPACT OF SOIL FERTILIZATION EXPERIMENT ON SOIL WATER CHEMISTRY IN FOREST STANDS ON DRAINED ORGANIC SOIL, IN LATVIA Ilze Karklina, Latvian State Forest Research Institute 'Silava', Latvia	FIFTY-SIX YEARS OF VEGETATION CHANGE ON COOM RIGG RAISED BOG IN NORTH OF ENGLAND Helen Adamson, Newcastle University, United Kingdom	
12.40-13.30	Long Break			
13.30-14.50	SESSION 5 VII Emerging technologies and techniques for peatlands and peat research	SESSION 6 - III Regulating services	SESSION 7 VI Protection and reclamation of peatlands	SESSION 8 I Provisioning services
	MODERATOR: Ain Kull	Moderator: Sabine Jordan	Moderator: Jaanus Paal	Moderator: Jan Peters
13.30-13.50	ID 62034	ID 72807	ID 61598	ID61311
	DESIGN AND CONSTRUCTION OF A LARGE GROUNDWATER LYSIMETER UNDER ACACIA PLANTATION IN TROPICAL PEATLAND Yogi Suardiwerianto, Asia Pacific Resources International Limited (APRIL), Indonesia	ASSESSING THE WATER BALANCE AS BASIS FOR WATER MANAGEMENT AND HYDROLOGICAL RESTORATION IN TROPICAL PEATLAND Sigit Sutikno, Civil Engineering Department, University of Riau, Indonesia	ENGAGING WITH IRISH FARMERS MANAGING UPLAND BLANKET PEATLANDS THROUGH AGRI-ENVIRONMENT SCHEMES AND EUROPEAN INNOVATION PROJECTS TO EFFECT BIODIVERSITY PRACTICE CHANGE Catherine Keena, Teagasc Kildalton, Ireland	REGENERATION OF SPHAGNUM MOSS BIOMASS HARVESTING SITES IN FINLAND Niko Silvan, Natural Resources Institute Finland, Finland

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	ID 62562	ID 60783	ID 62431	ID 62497
13.50-14.10	<p>REGRESSION OF ELEVATION AND PEAT DEPTH VARIABLES AND ITS APPLICATION ON PEAT DEPTH ASSESSMENT FOR THE ADJACENT PEAT LANDSCAPE, KALIMANTAN</p> <p>Chairil Anwar Siregar</p>	<p>AFFORESTATION AS A MEANS OF OFFSETTING CO2 EMISSIONS ON CUTAWAY PEATLANDS</p> <p>Lasse Aro, Natural Resources Institute Finland (Luke), Finland</p>	<p>THE SUSTAINABLE WETLANDS ADAPTATION AND MITIGATION PROGRAM (SWAMP), INTEGRATING TROPICAL PEATLAND SCIENCE AND INTERNATIONAL DEVELOPMENT</p> <p>Randy Kolka, USDA Forest Service Northern Research Station, United States</p>	<p>GREENHOUSE GAS BALANCE OF A YOUNG, MICROPROPAGATED SPHAGNUM FARMING CROP ON A CUT-OVER LOWLAND PEATLAND IN NORTHERN ENGLAND</p> <p>Simon Caporn, Manchester Metropolitan University, United Kingdom</p>
14.10-14.30	<p>PEAT AND PEATLAND SERVICES IN GEOLOGICAL SURVEY OF FINLAND</p> <p>Tuija Vähäkuopus, Geological Survey of Finland, Finland</p>	<p>PEAT USE, CLIMATE IMPACTS AND MITIGATION POLICIES IN EUROPE</p> <p>Olivier Hirschler, Thünen Institute, Coordination Unit Climate, Germany</p>	<p>INTEGRATED MANAGEMENT OF THE SOUTH KETAPANG PEATLAND LANDSCAPE, INDONESIA</p> <p>Faizal Parish, Global Environment Centre, Malaysia</p>	<p>SELECTING HIGHLY PRODUCTIVE SPHAGNUM PROVENANCES AND ITS MASS-PROPAGATION – FIRST RESULTS OF THE JOINT SPHAGNUM FARMING RESEARCH PROJECT ,MOOSZUCHT‘</p> <p>Anja Prager, Institute of Botany and Landscape ecology, University of Greifswald, Germany</p>

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14.30-14.50	ID 62654	ID 61667		ID 62795
	NDVI AS A PROXY TO ESTIMATE THE CO2 FLUXES IN PEATLANDS: EXAMPLE OF ALKALINE FEN Raimo Pajula, Institute of Ecology, School of Natural Sciences and Health, Tallinn University, Estonia	DOES NITROGEN DEPOSITION LEAD TO A WEAKER OR STRONGER CARBON SINK IN NUTRIENT-POOR PEATLANDS? Tuula Larmola, Natural Resources Institute Finland, Finland		PALUDICULTURE ON FORMER BOG GRASSLAND: SUSTAINABLE BIOMASS PRODUCTION AND ADDITIONAL BENEFITS OF SPHAGNUM FARMING IN NW GERMANY Sabine Wichmann, Institute of Botany and Landscape Ecology, University of Greifswald, Germany
14.50-15.00	Short Break			
15.00-16.40	SESSION 9 VII Emerging technologies and techniques for peatlands and peat research	SESSION 10 - III Regulating services	SESSION 11 VI Protection and reclamation of peatlands	SESSION 12 V Peatland and peat related economic services
	Moderator: Tuija Vähäkuopus	Moderator: Aino Korrensalo	Moderator: Ilze Ozola	Moderator: Anna-Helena Purre
15.00-15.20	ID 61880	ID 62186	ID 73975	ID 61288
	REQUIREMENTS FOR RE-SAMPLING SOIL ORGANIC CARBON STOCKS OF MANAGED PEAT AND OTHER ORGANIC SOILS Mareille Wittnebel, Thünen Institute, Germany	PHYSIOLOGICAL STRESS IN CALCAREOUS FEN MOSSES FOLLOWING AN EXPERIMENTAL CHANGE IN WINTER CLIMATE Martin Küttim, Institute of Ecology at Tallinn University, Estonia	RELATIONSHIP BETWEEN PEAT MOISTURE AND PHYSICAL PROPERTIES IN DIFFERENTLY AFFECTED PEATLANDS Laimdota Kalniņa, University of Latvia, Latvia	ALTERNATIVE FARMING PRACTICES FOR LONG TERM RESILIENT LAND USE IN PEATLAND REGIONS IN THE NETHERLANDS Jos Schouwenaars, Water Authority Fryslân, The Netherlands

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15.20-15.40	ID 62462	ID 62038	ID 61326	ID 61776
	LABORATORY EXPERIMENTAL FRAMEWORK TO STUDY PEAT FIRE Shaorun Lin, The Hong Kong Polytechnic University, Hong Kong	LONG-TERM WATER LEVEL DRAW-DOWN AFFECTS FUNCTIONAL PLANT TRAIT COMPOSITION OF NORTHERN PEATLANDS Anna M. Laine, Geological Survey of Finland, Finland and School of Forest Sciences, University of Eastern Finland, Finland	HOW TO IDENTIFY CULTIVATED PEAT SOILS SUITABLE FOR REWETTING? Kristiina Regina, Natural Resources Institute Finland (Luke), Finland	SMALLHOLDER AGRICULTURE ON PEATLAND IN INDONESIA: BALANCING LIVELIHOOD AND CLIMATE SECURITY Susan Page, School of Geography, Geology & the Environment, University of Leicester, United Kingdom
15.40-16.00	ID 62601	ID 62243	ID 62303	ID 62593
	PEATLANDS OF THE NILE BASIN: DISTRIBUTION, CARBON STOCKS AND CO2 EMISSIONS REDUCTION AND AVOIDANCE POTENTIAL Jan Peters, Michael Succow Foundation, Germany	OLDEST KNOWN EXTANT PEATLANDS COMPRISE A LONG-TERM CARBON SINK FROM THE LAST GLACIAL TO THE HOLOCENE Monika Ruwaimana, University of Oregon, USA; Universitas Atma Jaya Yogyakarta, Indonesia	CONSERVATION OF PEATLAND LANDSCAPES IN MALAYSIA Serena Lew, Global Environment Centre, Malaysia	POTENTIALS AND CAPACITIES OF CLIMATE CHANGE MITIGATION BY PEATLAND REWETTING AND WET AGRICULTURE ON PEATLANDS (PALUDICULTURE) IN THE BALTIC COUNTRIES Jüri-Ott Salm, Estonian Fund for Nature ELF, Estonia

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16.00-16.20	ID 72103	ID 62329	ID 62512	ID 62699
	TOWARDS ASSESSMENT OF BOG BREATHING WITH Sentinel-1 DIFFERENTIAL InSAR Tauri Tampuu, Institute of Ecology and Earth Sciences, University of Tartu, Estonia	THE IMPACTS OF LONG TERM DRAINAGE AND AGRICULTURE ON THE CARBON DYNAMICS OF FEN PEATLANDS, IN EAST ANGLIA, UK Thomas Newman, University of Leicester, United Kingdom	UNDERSTANDING THE EFFECTS OF DRAINAGE AND FIRES ON HYDRAULIC CONDUCTIVITY TO SUPPORT TROPICAL PEATLAND RESTORATION Adi Kunarso, Applied Chemistry and Environmental Science, RMIT University, Australia	ECOLOGY DRIVEN INNOVATIONS REDUCE GHG EMISSIONS AND SUPPORT MIXED AGRICULTURAL LAND-USES OVER TROPICAL PEATLAND Shailendra Mishra, Asian School of the Environment, Nanyang Technological University, Singapore
16.20-16.40	ID 72803			ID 62715
	UAS IMAGING APPLICATIONS TO MONITOR RESTORED PEATLANDS Lauri Ikkala, University of Oulu, Finland			ECONOMIC VIABILITY OF SPHAGNUM FARMING ON FORMER BOG GRASSLAND Sabine Wichmann, Institute of Botany and Landscape Ecology, University of Greifswald, Germany

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Tuesday, 4 May 2021				
9.00-10.20	INDUSTRY SUMMIT	KEYNOTE SESSION		
9.00-9.40		ECOSYSTEM SERVICES OF PEATLANDS GLOBALLY IN A REGIONAL CONTEXT Tatiana Minayeva, Founder of the consultancy "Care for Ecosystems" and an Associated Expert of Wetlands International, Russia / Germany		
9.40-10.20		MANAGEMENT OF TROPICAL PEATLAND WITH REAL TIME TECHNOLOGY WATER LEVEL MONITORING SYSTEM Bambang Setiadi, Chairman of National Research Council (NRC) of Indonesia, Indonesia		
10.20-10.30		Short Break		
10.30-12.10		SESSION 13 - III Regulating services	SESSION 14 VI Protection and reclamation of peatlands	SESSION 15 V Peatland and peat related economic services
		Moderator: Anna-Helena Purre	Moderator: Tatiana Minayeva	Moderator: Jos Schouwenaars
		ID 62333	ID 62047	ID 62643
10.30-10.50		HOLOCENE DEVELOPMENT, RADIATIVE FORCING AND CHANGES IN CARBON ACCUMULATION AND VEGETATION IN A SUBARCTIC FEN IN FINLAND Sanna Piilo, University of Helsinki, Finland; Helsinki Institute of Sustainability Science (HELSUS), Finland	RESTORATION OF EXTRACTED CENTRAL EUROPEAN PEATLANDS BY SPONTANEOUS SUCCESSION Karel Prach, Faculty of Science USB, Czech Republic	EFFECT OF PADDY LAND USE ON MITIGATION OF PEAT SUBSIDENCE Minoru Yokochi, Graduate School of Global Food Resources, Hokkaido University, Japan

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<p>10.50-11.10</p>	<p>INDUSTRY SUMMIT</p>	<p>ID 62432</p> <p>SIMULATING CLIMATE CHANGE IN NORTHERN PEATLANDS: INITIAL RESULTS OF THE SPRUCE EXPERIMENT</p> <p>Randy Kolka, USDA Forest Service Northern Research Station, United States</p>	<p>ID 62118</p> <p>RESTORATION OF PEATLAND FORESTS IN SOUTH EAST</p> <p>Faizal Parish, Global Environment Centre, Indonesia</p>	<p>ID 72840</p> <p>REGIONAL DEVELOPMENTS AND PERSPECTIVES IN AGRICULTURAL USE OF PEATLANDS AS IDENTIFIED BY DIFFERENT STAKEHOLDERS</p> <p>Jos Schouwenaars, IPS Expert Group Peatlands and Agriculture, The Netherlands</p>
<p>11.10-11.30</p>		<p>ID 62455</p> <p>GREENHOUSE GAS PRODUCTION AND EMISSIONS FROM THE CENTRAL CONGO BASIN PEATLAND COMPLEX</p> <p>Nicholas Girkin, Cranfield University; University of Nottingham, United Kingdom</p>	<p>ID 62363</p> <p>INTRODUCING BIOENERGY POTENTIAL PLANT AT RESTORATION OF DEGRADED TROPICAL PEAT SWAMPS WITH AGROSILVOFISHERY SYSTEM AND COMMUNITY PARTICIPATION</p> <p>Rujito Agus Suwignyo, Peatland Research Center (CoE PLACE), Sriwijaya University, Indonesia</p>	<p>ID 73535</p> <p>DOC IN SOIL OR WATER, WHAT IS MORE SEASONALLY DEPENDABLE? – A CASE STUDY OF SHORT-TERM AGRICULTURAL PEATLAND MONITORING IN CENTRAL POLAND</p> <p>Bartłomiej Glina, Poznań University of Life Sciences, Poland</p>

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11.30-11.50	INDUSTRY SUMMIT	ID 62623 REWETTING OFFERS FAST CLIMATE BENEFITS FOR TROPICAL AND AGRICULTURAL PEATLANDS BUT NOT FOR FORESTRY-DRAINED PEATLANDS Paavo Ojanen, University of Helsinki, Finland	ID 62456 ON THE RESTORATION OF EXTRACTED PEATLANDS IN ESTONIA - FROM TEST SITES TO ENVIRONMENTAL POLITICS Edgar Karofeld, University of Tartu, Institute of Ecology and Earth Sciences, Estonia	ID 62398 EFFECTS OF CROP RESIDUE AND ALTERED WATER TABLE ON CARBON DIOXIDE, METHANE AND NITROUS OXIDE EMISSIONS ON CULTIVATED PEAT SOILS Samuel Musarika, UK Centre for Ecology and Hydrology, Environment Centre Wales, Bangor, United Kingdom School of Natural Sciences, Bangor University, United Kingdom
11.50-12.10			ID 62515 ENCOURAGING ECOTONE CREATION IN RESTORED PEATLANDS AT THE EASTERN EDGE OF CANADIAN PRAIRIES Pete Whittington, Brandon University, Canada	
12.10-13.00		Long Break		
13.00-14.40		SESSION 16 III Regulating services	SESSION 17 VI Protection and reclamation of peatlands	SESSION 18 V Peatland and peat related economic services
		Moderator: Anna Laine-Petäjäkangas	Moderator: Agata Klimkowska	Moderator: Martin Küttim

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<p>13.00-13.20</p>	<p>INDUSTRY SUMMIT</p>	<p>ID 62710 CO2 EXCHANGE AND PLANT ABOVE-GROUND BIOMASS OF RESTORED FORESTRY DRAINED, AND MILLED PEATLANDS, AND PRISTINE MIRES Anna-Helena Purre, Tallinn University, Estonia</p>	<p>ID 62516 HYDROLOGICAL TARGETS AND LESSONS LEARNED OF REWETTING EXPERIMENTS AT THE EASTERN EDGE OF THE CANADIAN PRAIRIES Pete Whittington, Brandon University, Canada</p>	<p>ID 62689 SPHAGNUM FARMING UK: EFFICIENT AND HIGHLY PRODUCTIVE METHODS FOR SPHAGNUM AS A PEAT ALTERNATIVE Neal Wright, Micropropagation Services Ltd, United Kingdom</p>
<p>13.20-13.40</p>		<p>ID 62659 SPATIO-TEMPORAL VARIABILITY OF GREENHOUSE GASES ALONG DRAINAGE GRADIENT IN 16 PEATLANDS ACROSS ESTONIA Gert Veber, Department of Geography, Institute of Ecology and Earth Sciences, University of Tartu, Estonia</p>	<p>ID 62514 APPROACHES TO PEAT ECOLOGICAL RESTORATION IN INDONESIA: CHALLENGES, OPPORTUNITIES, AND FUTURE DIRECTIONS Eli Nur Nirmala Sari, World Resources Institute (WRI), Indonesia</p>	<p>ID 62735 THE EFFECT OF PLANTATION DEVELOPMENT ON KEY SOIL PARAMETERS: A CASE STUDY IN SOUTH SUMATRA Thomas Westhoff, Wageningen University, The Netherlands</p>
<p>13.40-14.00</p>		<p>ID 72837 DO ANDIC SOIL PROPERTIES IMPACT CARBON DYNAMICS OF PEATLANDS IN VOLCANIC REGIONS? Susanne Claudia Möckel, Institute of Life and Environmental Sciences, University of Iceland, Iceland</p>	<p>ID 62633 WATER LEVEL AND CARBON EMISSION RATE IN RESPONS TO CANAL BLOCKING DEVELOPMENT Imam Basuki, Center for International Forestry Research, Indonesia</p>	<p>ID 62681 LAND USE PATTERN IN THE PEAT-LAND HOME YARD OF RURAL COMMUNITIES AND FARM INCOME Niken Sakuntaladewi, Centre for Research and Development on Social, Economy, Policy, and Climate Change, Indonesia</p>

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14.00-14.20	INDUSTRY SUMMIT	ID 72881 THE USE OF SUBSIDENCE TO CALCULATE CARBON LOSS FROM DEFORESTED AND DRAINED TROPICAL PEATLAND Gusti Anshari, Universitas Tanjungpura, Indonesia	ID 72715 RECOVERY DYNAMICS OF VEGETATION IN MONTANE PEATLANDS IN THE FIRST TWO DECADES AFTER REWETTING Katharina Strobl, Restoration Ecology, Dept Life Science Systems, Technical University of Munich, Germany	ID 62753 SUBSIDENCE MONITORING DURING 50 YEARS OF THE PEAT MEADOW PARCELS OF ZEGVELD EXPERIMENTAL FARM IN THE NETHERLANDS Jan J.H. van den Akker, Wageningen University & Research, Wageningen Environmental Research, The Netherlands
14.20-14.40		ID 61372 RISK GOVERNANCE ON RESTORATION OF PEATLAND ECOSYSTEM Ibnu Budiman, WRI Indonesia, Indonesia	ID 72855 DYNAMICS OF LOCAL GOVERNANCE: THE CASE OF PEATLAND RESTORATION IN CENTRAL KALIMANTAN, INDONESIA Rizky Januar, World Resources Institute, Indonesia	
14.40-15.00		Short Break		
15.00-16.40		SESSION 19 III Regulating services	SESSION 20 VI Protection and reclamation of peatlands	SESSION 21 V Peatland and peat related economic services
		Moderator: Gerald Jurasinski	Moderator: Pete Whittington	Moderator: Katri Ots

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15.00-15.20	INDUSTRY SUMMIT	ID 62746 IMPROVING KNOWLEDGE IN THE PARAMETERS FOR ESTIMATING GHG EMISSIONS FROM PEAT SWAMP FORESTS FIRES IN INDONESIA Haruni Krisnawati, Forestry and Environment Research, Development and Innovation Agency, Indonesia	ID 72863 THE HORTICULTURAL PEAT INDUSTRY AND ACADEMIA: A HISTORY OF A SUSTAINABLE PARTNERSHIP FOR THE ECOLOGICAL RESTORATION OF CANADIAN PEATLANDS Gwendal Breton, Université Laval, Canada	ID 61832 IMPLEMENTING CLIMATE CHANGE IN A DECISION SUPPORT SYSTEM DESIGNED FOR THE MANAGEMENT OF IRELAND'S WESTERN PEATLAND FORESTS Maarten Nieuwenhuis, University College Dublin, Ireland
15.20-15.40		ID 62640 INVESTIGATION INTO PLANT-MEDIATED CH ₄ TRANSPORT, PEAT INCUBATION AND MICROBIAL COMMUNITY COMPOSITION REVEALS FIRE DEGRADED TROPICAL PEATLANDS AS A HOT SPOT OF CH ₄ Hasan Akhtar, Department of Geography, National University of Singapore, Singapore	ID 72872 ACCESS ROADS IN PRISTINE AND EXTRACTED PEATLANDS: RESTORATION TECHNIQUES Kathy Pouliot, Peatland Ecology Research Group & Center for Northern Studies, Université Laval, Canada	ID 62459 COSTING THE LEGACY OF FORESTRY ON A NORTHERN IRISH BLANKET BOG Raymond Flynn, Queen's University Belfast, Ireland

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<p>15.40-16.00</p>	<p>INDUSTRY SUMMIT</p>	<p>ID 62653</p> <p>REWETTING DEGRADED TROPICAL PEATLANDS SUBSTANTIALLY REDUCES GHG EMISSIONS: A META-ANALYSIS AND EXPERIMENTAL STUDY</p> <p>Taryono Darusman, Department of Geophysics and Meteorology, Bogor Agricultural University, Indonesia</p>	<p>ID 62628</p> <p>PALUDICULTURE SPECIES OPTIONS FOR RESTORATION OF DEGRADED TROPICAL PEATLAND IN CENTRAL KALIMANTAN, INDONESIA</p> <p>Tri Wira Yuwati, Banjarbaru Environment and Forestry Research and Development Institute, Indonesia</p>	<p>ID 62480</p> <p>CHARACTERISTICS OF PROKARYOTIC COMMUNITY ASSEMBLY IN TROPICAL PEATLANDS: SPATIAL CONSTRAINTS DUE TO HETEROGENEITY OF OIL PALM PLANTATION IN BORNEO SARAWAK</p> <p>Kim Yrjälä, University of Helsinki, Finland; Zhejiang A & F University, China</p>
<p>16.00-16.20</p>		<p>ID 62724</p> <p>PEATLAND RESPONSE TO DRYING, COMPARING AND CONTRASTING PEATLANDS IN SWEDEN AND NEW ZEALAND</p> <p>Joshua (Joss) Ratcliffe, Swedish University of Agricultural Sciences, Sweden</p>	<p>ID 62703</p> <p>MULTI-STAKEHOLDER PARTNERSHIP TO REHABILITATE PEATLANDS IN PAHANG, MALAYSIA</p> <p>Serena Lew, Global Environment Centre, Malaysia</p>	<p>ID 62680</p> <p>MITIGATION OF PHOSPHORUS, NITROGEN AND ORGANIC CARBON EXPORTS BY CONTINUOUS COVER FORESTRY ON DRAINED PEATLANDS</p> <p>Sakari Sarkkola, Natural Resources Institute, Finland</p>
<p>16.20-16.40</p>		<p>ID 62759</p> <p>GREENHOUSE GAS EMISSIONS FROM DEGRADED AND REWETTED PEATLANDS IN NORTHERN EUROPEAN LOWLAND</p> <p>Andreas Herrmann, NABU and Humboldt-University, Germany</p>	<p>ID 62454</p> <p>PRELIMINARY RESULTS OF 10-YEAR EXPERIENCE IN REWETTING PEAT-EXTRACTED BOGS IN RUSSIA</p> <p>Kirill Shakhmatov, Tver State Technical University, Russia</p>	<p>ID 62682</p> <p>COULD CONTINUOUS-COVER FORESTRY REPRESENT PALUDICULTURE IN BOREAL PEATLAND FORESTS?</p> <p>Sakari Sarkkola, Natural Resources Institute Finland, Finland</p>

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16.40-18.30	PEATWISE SESSION
	Moderators: Kerstin Berglund, Bjørn Kløve, Örjan Berglund
16.40-16.50	A REVIEW OF PEATLAND USE AND SUSTAINABLE MANAGEMENT OPTIONS Bjørn Kløve
16.50-17.10	PEATWISE – GREENHOUSE GAS MEASUREMENTS ON CULTIVATED PEATLAND AT RUUKKI, FINLAND Maarit Liimatainen
17.10-17.30	PEATWISE - EFFECTS OF FOUNDRY SAND ADDITION ON YIELD AND CO2 EMISSION FROM A CULTIVATED PEAT SOIL IN SWEDEN Örjan Berglund
17.30-17.50	PEATWISE - LARGE EFFECTS OF SLIGHTLY DIFFERENT GROUND WATER TABLES ON GHG EMISSION FROM REED CANARY GRASS IN PALUDICULTURE Poul Erik Lærke
17.50-18.10	PEATWISE – EFFECT OF CROPPING MANAGEMENT ON PROTEIN YIELD AND EXTRACTABILITY FROM SELECTED FLOODING-TOLERANT PERENNIAL GRASSES CULTIVATED ON A RIPARIAN FEN
18.10-18.30	PEATWISE - INCENTIVE-BASED POLICY INSTRUMENTS GUIDING TOWARDS SUSTAINABLE USE OF PEATLANDS IN EU Cheng Chen

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Wednesday, 5 May 2021				
9.00-10.20	KEYNOTE SESSION			
9.00-9.40	FROM PEAT DEBATE TO SUSTAINABLE WAY OF LIVING - THE ROLE OF HORTICULTURAL COMPANIES IN BUILDING A GREENER WORLD Nina Kinnunen, Kekkilä BVB, Finland			
9.40-10.20	MANAGED PEATLANDS AS NOVEL ECOSYSTEM Gerald Jurasinski, University of Rostock, Germany			
10.20-10.30	Short Break			
10.30-12.10	SESSION 22 VII Emerging technologies and techniques for peatlands and peat research	SESSION 23 III Regulating services	SESSION 24 VI Protection and reclamation of peatlands	SESSION 25 V Peatland and peat related economic services
	Moderator: Elve Lode	Moderator: Jack Rieley	Moderator: Edgar Karofeld	Moderator: Sakari Sarkkola
10.30-10.50	ID 72856	ID 72848	ID 62763	ID 72852
	SPECIES COMPOSITION AND ROOT MORPHOLOGY AT THE TOP OF A PEAT DOME CONSTITUTING TROPICAL PEATLANDS IN WEST KALIMANTAN, INDONESIA Natalia Desi Piana Soeka, PT. Mayangkara Tanaman Industri/ PT. Wana Subur Lestari, Indonesia	HOW MUCH DO PEATLANDS CONTRIBUTE TO ACHIEVING INDONESIA'S NATIONALLY DETERMINED CONTRIBUTION TARGET? Nurul Silva Lestari, Ministry of Environment and Forestry of Indonesia, Indonesia	THE BORD NA MÓNA RAISED BOG RESTORATION PROGRAMME – PROGRESS AND BENEFITS Alex Copland, Bord na Móna, Ireland	GROWTH CHARACTERISTICS OF ACACIA CRASSICARPA ON A PEAT DOME SLOPE IN TROPICAL PEATLANDS Sisva Silsigia, PT. Mayangkara Tanaman Industri/PT. Wana Subur Lestari, Indonesia

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10.50-11.10	ID 62574	ID 72997	ID 62733	ID 62652
	<p>MONITORING CONCEPT FOR TROPICAL PEAT SWAMP FORESTS AND PEATLAND WITH AIRBORNE AND SPACEBORNE SENSORS APPLIED IN THE EX-MEGA RICE PROJECT AREA, KALIMANTAN</p> <p>Hans-Dieter Viktor Boehm, Kalteng Consultants, Germany</p>	<p>ECOLOGICAL THRESHOLDS IN HIGH ANDEAN PEATLANDS ALONG A GRADIENT OF LIVESTOCK USE IN EL COCUY NATIONAL PARK (COLUMBIA)</p> <p>Violeta Martínez Amigo, Pontifician Javeriana University of Bogotá, Colombia</p>	<p>EVALUATION OF GHG EMISSIONS FROM ORGANIC SOILS</p> <p>Ieva Līcīte, Latvian State Forest Research Institute "Silava", Latvia</p>	<p>EFFECT OF WATER LEVEL CHANGE ON RADIAL INCREMENT OF SCOTS PINE IN A RESTORED PEATLAND IN ESTONIA</p> <p>Kärt Erikson, Institute of Ecology and Earth Sciences, University of Tartu, Estonia</p>
11.10-11.30	ID 62792	ID 62276	ID 72770	ID 62750
	<p>A PROBABILISTIC APPROACH FOR PEATLAND MAPPING FOR AREAS WITH SCARCE DATA</p> <p>Cristina Malpica-Piñeros, University Greifswald, Institute for Botany and Landscape Ecology, Germany</p>	<p>HOW TO MAKE INTENSIVELY USED PEAT MEADOWS SUSTAINABLE FOR THE FUTURE? THREE MITIGATION OPTIONS TO POTENTIALLY REDUCE PEAT OXIDATION</p> <p>Merit van den Berg, Radboud University Nijmegen, Aquatic Ecology and Environmental Biology, The Netherlands</p>	<p>RETURNING WATER TO CONSERVATION AREAS WILL BENEFIT BOTH FORESTRY AND CONSERVATION</p> <p>Tiina Ronkainen, Tapio, Finland</p>	<p>BOREAL PEATLAND FORESTS: DITCH NETWORK MAINTENANCE EFFORT AND WATER PROTECTION IN A FOREST ROTATION FRAMEWORK</p> <p>Jenni Miettinen, University of Helsinki, Finland</p>

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11.30-11.50	ID 62794 PEATLAND FIRE REGIONS AS A MEANS TO ANALYSE GLOBAL PEATLAND FIRES Farina de Waard, Institute of Botany and Landscape Ecology, University of Greifswald, Germany	ID 76521 AMAZONIAN OPEN PEATLANDS: A PALYNOLOGICAL INVESTIGATION OF LATE HOLOCENE VEGETATION SUCCESSION AT VEINTE DE ENERO, PASTAZA MARANON FORELAND BASIN, PERU Dael Sassoon, University of Manchester, United Kingdom	ID 62761 PROGRESS OF THE BORD NA MÓNA CUTAWAY BOG REHABILITATION PROGRAMME IN IRELAND Mark McCorry, Bord na Móna, Ireland	ID 72870 CARBON STOCK IN OLD-GROWTH SCOTS PINE (PINUS SYLVESTRIS L.) FORESTS ON WET PEAT SOILS IN LATVIA Laura Ķēniņa, Latvian State Forest Research Institute Silava, Latvia
			ID 62772 MONITORING MIRE RESTORATION SITES FROM AIR WITH DRONES Marko Kohv, Estonian Fund for Nature, Estonia	ID 61470 THE PEATLANDS OF LOWLAND PERU: AN EXPLORATION OF THE ECOLOGICAL AND SOCIO-ECOLOGICAL VALUE OF THESE 'SUCKING' SWAMPS Lydia Eve Spencer Cole, University of St Andrews, United Kingdom
11.50-12.10				
12.10-13.00	Long Break			
13.00-14.40	SESSION 26 VII Emerging technologies and techniques for peatlands and peat research	SESSION 27 V Peatland and peat related economic services	SESSION 28 VI Protection and reclamation of peatlands	SESSION 29 II Supporting services
	Moderator: Randy Kolka	Moderator: Cecilia Luetgebrune	Moderator: Jüri-Ott Salm	Moderator: Samuel Hamard

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13.00-13.20	ID 62667	ID 73114	ID 60753	ID 62580
	ASSESSMENT AND MODELING OF COVARIATES AND FACTORS AFFECTING IRISH PEATLAND PROPERTIES USING MIXED MODELING WITH A FOCUS ON SOIL ORGANIC CARBON Kilian Walz, Department of Biological Sciences, University of Limerick, Republic of Ireland	THE EUROPEAN MARKET FOR GROWING MEDIA Lambert van Horen, RaboResearch Food & Agribusiness	PROFITABILITY OF BIOMASS PRODUCTION WITH DOWNY BIRCH ON CUTAWAY PEAT BOGS Paula Jylhä, Natural Resources Institute Finland, Finland	CYCLING OF NUTRIENTS IN DIFFERENT INTENSITY REGENERATION FELLINGS: MINERAL SOIL VS. PEAT SOIL Ivars Klavins, Latvian State Forest Research Institute 'Silava', University of Latvia, Latvia
13.20-13.40	ID 72888	ID 73114	ID 72766	ID 61729
	DIGITAL TRANSFORMATION IN PEAT INDUSTRY Pēteris Gredzens, SIA Intellitech, Latvia	TOWARD THE DEVELOPMENT OF A NEW GENERATION OF GRANULAR PEAT PRODUCTS FOR WASTEWATER REMEDIATION: REACTION MECHANISMS OF PEAT SURFACES WITH HEAVY METAL CATIONS Igor V. Kolomitsyn, Natural Resources Research Institute, University of Minnesota Duluth, USA	RAISED BOG RESTORATION THROUGH COMPARTMENTALIZATION: A DUTCH CASE STUDY OF ENGBERTSDIJKSVENEN Geert Kooijman, Staatsbosbeheer, The Netherlands	GEOLOGICAL SURVEY OF FINLAND'S LABORATORY ANALYSES DATABASE – DETAILED INFORMATION ON THE BACKGROUND LEVELS OF ELEMENTS IN FINNISH PEATLANDS Teuvo Herranen, Geological Survey of Finland, Finland

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<p>13.40-14.00</p>	<p>ID 72868 RESTORATION OF WATER TABLE REGIME IN POSTEXTRACTED PEATLANDS: VALIDATION OF THE BOUSSINESQ MODEL ADAPTED TO STRATIFIED MEDIA IN REWETTED BOGS Sebastian Gutierrez-Pacheco, Faculty of Agricultural and Food Sciences, Laval University, Canada; Centre for Northern Studies, Canada</p>	<p>ID 62764 MINERALISATION OF ORGANIC FERTILIZERS IN GROWING MEDIA Hein Boon, Foundation RHP, The Netherlands</p>	<p>ID 72816 RESEARCH, RESTORATION AND RELATIONS: THE CANADIAN PEAT MOSS INDUSTRY'S SOCIAL RESPONSIBILITY COMMITMENTS Marie-Claire LeBlanc, Canadian Sphagnum Peat Moss Association (CSPMA) & Peat & Substrate Cluster, Québec Peat Moss Producers Association (APTHQ), Canada</p>	<p>ID 62280 THE INTERACTION OF NITROGEN AND PHOSPHORUS ON THE EXTRACELLULAR ENZYMES IN A MINEROTROPHIC PEATLAND Meng Wang, Northeast Normal University, China</p>
<p>14.00-14.20</p>	<p>ID 72793 PENETRATION AND TORSION RESISTANCE OF BENGKALIS' PEAT FROM DOSOUKYOUDOKENSABOU Faizal Parish, Global Environment Centre, Malaysia</p>	<p>ID 76902 SOLID SPHAGNUM GROWING MEDIA FOR GREENHOUSE HORTICULTURE Sanna Finni, Natural resources Institute Finland (Luke), Finland</p>	<p>ID 72285 LESSONS FROM 30 YEARS' OF INTENSIVE RESTORATION OF A CUT OVER PEATLAND - THE UK'S THIRD LARGEST RAISED BOG Joan Daniels, Natural England, United Kingdom</p>	<p>ID 72818 THE ORGANIC SULFUR DYNAMICS ASSOCIATED WITH MERCURY METHYLATION IN A BOREAL PEATLAND Caroline Pierce, University of Minnesota, USA</p>
<p>14.20-14.30</p>	<p style="text-align: center;">Short Break</p>			
	<p style="text-align: center;">PEAT TALKS</p>			
	<p style="text-align: center;">Moderator: Marko Pomerants</p>			
<p>14.30-14.45</p>	<p>A WORD FROM THE SPONSOR OF PEAT TALKS Michel E. Guay, Premier Tech</p>			
<p>14.45-15.00</p>	<p>Microbial photosynthesis supports peatland C uptake Vincent Jassey</p>			
<p>15.00-15.15</p>	<p>Peat's climate impact through the eyes of an engineer Erki Niitlaan, Estonian Peat Association</p>			

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15.15-15.30	Results of the PeatRus project after 10 yr of implementation: a large-scale peatland rewetting to achieve emission reductions that count! Agata Klimkowska
15.30-15.45	Peatland as a tourist attraction. Estonian experience Mart Reimann
15.45-16.00	Carbon dynamics in rewetted peatland with different vegetative covers Daniel Murdiyarso
16.00-16.15	Bogshoeing - for science, education, health and fun Ilze Osola
16.15-16.30	Resume, questions, discussions

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Thursday, 6 May 2021				
9.00-10.20	KEYNOTE SESSION			
9.00-9.40	DESIRED ECOLOGICAL ATTRIBUTES OF RESTORED PEATLANDS: A REVIEW Line Rochefort, Université Laval, Canada			
9.40-10.20	RESTORING PEATLANDS FOR BIODIVERSITY CONSERVATION AND FOR TACKLING CLIMATE CHANGE THROUGH LIFE - EU LIFE FUNDING 2021-2027 Jan Sliva & Hana Mandelikova, LIFE EEIG			
10.20-10.30	Short Break			
10.30-12.10	SESSION 30 IV Cultural and social services	SESSION 31 V Peatland and peat related economic services	SESSION 32 VI Protection and reclamation of peatlands	SESSION 33 II Supporting services
	Moderator: Kirsi Laurén	Moderator: Bernd Hofer	Moderator: Budi Indra Setiawan	Moderator: Lydia Cole
10.30-10.50	ID 62785	ID 72771	ID 72866	ID 61445
	MAINTENANCE AND/OR SUSTENANCE OF HERITAGE IN MIRE LANDSCAPES IN ESTONIA Piret Pungas-Kohv, Estonian Fund for Nature, Estonia	THE PARTICLE SHAPE OF PEATS: A COMPLEMENTARY ANALYSIS FOR THEIR CHARACTERIZATION Stan Durand, L'Institut Agro - Agrocampus Ouest, France	AGROFORESTRY-BASED PALUDICULTURE AS A PROMISING ALTERNATIVE TO RESTORE DEGRADED PEATLAND AND IMPROVE THE COMMUNITY LIVELIHOOD IN INDONESIA: A REVIEW Mashlahatul Umami, World Resources Institute Indonesia, Indonesia	IMPACT OF RESTORATION OF BOG MARGIN AREAS ON MOOR FROG (RANA ARVALIS) IN ESTONIA Liina Remm, University of Tartu, Estonia

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10.50-11.10	ID 61302	ID 72854	ID 62804	ID 62691
	RE-BUILDING THE CULTURAL HERITAGE OF MIRES: NEW MIRE TRENDS IN FINLAND Kirsi Laurén, University of Eastern Finland, Finland	COST-BENEFIT ANALYSIS OF PEATLAND MANAGEMENT IN INDONESIA: CASE STUDY IN KAHAYAN-SEBANGAU PEAT HYDROLOGICAL UNIT, CENTRAL KALIMANTAN Rizky Januar, World Resources Institute, Indonesia	MAPPING PEATLAND EXTENT AND PEAT DEPTH IN INDONESIA: APPLYING THE INDONESIAN PEAT PRIZE METHODOLOGY ON BEHALF OF PEATLAND RESTORATION Florian Siegert, Remote Sensing Solutions GmbH, Germany	LONG-TERM RESPONSE OF VEGETATION ON THE WATER LEVEL DROP-DOWN ON A LARGE CALCAREOUS FEN (NW ESTONIA) Laimdota Truus, Tallinn University, Estonia
11.10-11.30	ID 62540	ID 62578	ID 72827	ID 62729
	EXAMINING HUMAN-PEATLAND RELATIONSHIPS THROUGH PARTICIPATION SPACE: A CASE OF SUNGAI TOHOR, INDONESIA (1985-2019) Yuti Ariani Fatimah, Asian School of Environment, Nanyang Technological University, Singapore	METHODOLOGY BASIS OF PEAT SELECTION FOR USE IN LIVESTOCK IN ORDER TO IMPROVE THE ECOLOGICAL AND BIOLOGICAL SAFETY OF ANIMAL PRODUCTS Lilia Stepchenko, Dnipro State Agrarian and Economic University, Ukraine	MEASURING PEAT REWETTING IMPACT USING HYDROLOGICAL MODELING: THREE CASE STUDIES FROM SOUTH SUMATRA AND CENTRAL KALIMANTAN Dede Sulaeman, World Resources Institute Indonesia, Indonesia	EFFECTS OF PERSISTENT WATER-TABLE LEVEL DRAWDOWN ON FINE ROOT BIOMASS AND PRODUCTION IN BOREAL FORESTED PEATLANDS Maija Lampela, University of Helsinki, Finland
11.30-11.50	ID 62749	ID 62766	ID 62316	ID 61963
	PEAT, PALMS AND PEOPLE: HUMAN IMPACTS ON AMAZONIAN PEATLANDS Anna Macphie, University of St Andrews, United Kingdom	TESTING OF PROCESSES IN GROWING MEDIA PRODUCTION ON SANITATION EFFECTIVENESS WITH BACILLUS GLOBIGII AS A TEST ORGANISM Ruth Sjoukes, Foundation RHP, The Netherlands	NATURE AND PREVENTION STRATEGY OF COASTAL PEAT EROSION AND COASTAL PEAT LANDSLIDES IN TROPICAL COASTAL PEATLAND, RIAU PROVINCE, INDONESIA Koichi Yamamoto, Yamaguchi University, Japan	IMPACT OF DRAINAGE ON VEGETATION STRUCTURE IN ESTONIAN RAISED BOGS Ain Kull, Institute of Ecology and Earth Sciences, University of Tartu, Estonia

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11.50-12.10	ID 62642	ID 72859	ID 77261	
	CHANGES IN VIEWS AND MANAGEMENT OF PEATLAND IN INDIGENOUS VILLAGES IN INDONESIA: INSIGHTS FROM MENTAL MODEL STUDY Willy Daeli, World Resources Institute Indonesia, Indonesia	HORTICULTURAL ADDITIVES INFLUENCE SOIL BIOGEOCHEMISTRY AND INCREASE GREENHOUSE GAS EMISSIONS FROM PEAT Bidhya Sharma, Department of Geography, McGill University, Canada	COULD COMPROMISED PALUDICULTURE MANAGE TRADE-OFFS ON PEATLAND RESTORATION? Ibnu Budiman, WRI Indonesia, Indonesia	RESTORATION IN ACTION - HOW THE LIFE WELSCH RAISED BOGS PROJECT IS RESTORING SECCN OF THE MOST IMPORTANT RAISED PEAT BOGS IN WALES Patrick Green, LIFE+ Nature and Biodiversity Programme
12.10-13.00	Long Break			
13.00-14.40	SESSION 34 IV Cultural and social services	SESSION 35 V Peatland and peat related economic services	SESSION 36 II Supporting services	
	Moderator: Piret Pungas-Kohv	Moderator: Hannu Salo	Moderator: Shailendra Mishra	
13.00-13.20	ID 62637	ID 62694	ID 62565	
	GENDER ROLE IN HOUSEHOLD LIVELIHOOD STRATEGIES: A CASE FROM PEATLAND COMMUNITY IN OGAN KOMERING ILIR AND TUMBANG NUSA, INDONESIA Sri Lestari, Environment and Forestry Research and Development Institute of Palembang, Indonesia	SPHAGNUM MOSS HARVESTING WITHIN SUSTAINABLE BOG BIOMASS UTILISATION AND HIGH VALUE PRODUCT MANUFACTURING Petri Konttinen, Novarbo OY, Finland	DEVELOPMENT HISTORY OF ORGANIC SOILS AND RECENT CHANGES IN CARBON ACCUMULATION IN SVALBARD, NORWAY Teemu Juselius, Environmental Change Research Unit, University of Helsinki, Finland	

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13.20-13.40	ID 62754	ID 62663	ID 63352
	TOWARDS ESTIMATING TOTAL ECONOMIC VALUE OF PEATLANDS IN KAHAYAN-SEBANGAU PEAT HYDROLOGICAL UNIT, CENTRAL KALIMANTAN PROVINCE Eli Nur Nirmala Sari, World Resources Institute (WRI) Indonesia, Indonesia	FROM ENERGY TO HORTICULTURE: TRENDS OF PEAT EXTRACTION IN LATVIA Ingrida Krigere, University of Latvia, Faculty of Geography and Earth Sciences, Latvia	THE IMPORTANCE OF MONITORING RESEARCH IN ASSESSING IMPACTS OF ANTHROPOGENIC ACTIVITIES ON TROPICAL PEATLAND BIODIVERSITY: EXAMPLES FROM CENTRAL KALIMANTAN, INDONESIA Mark E. Harrison, Borneo Nature Foundation International and University of Leicester, United Kingdom
13.40-14.00	ID 62348	ID 62698	ID 62957
	COOPERATION IN MIRE ECOSYSTEM STUDIES BETWEEN FINLAND AND RUSSIA Harri Vasander, University of Helsinki, Finland	SUSTAINABLE PEAT INDUSTRY Jan Köbbing, Klasmann-Deilmann GmbH, Germany	CARBON STORAGE IN AMAZONIAN PEATLANDS: DISTRIBUTION AND DYNAMICS Adam Hastie, University of Edinburgh, United Kingdom
14.00-14.20		ID 63094	ID 72717
		CONCEPT OF ROBOTIC PEAT EXTRACTION Riho Kägo, Milrem Robotics, Estonian University of Life Sciences, Estonia	CARBON FOOTPRINT OF BLACK PEAT FROM DEGRADED PEATLAND PREVIOUSLY USED FOR AGRICULTURE IN GERMANY Heinz Stichnothe, Thünen Institute of Agricultural Technology, Germany

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14.20-14.40		<p>LIST OF DAMAGED AND ABANDONED PEATLANDS SUITABLE FOR MINING - AN ESTONIAN WAY OF REGULATING PEAT EXTRACTION</p> <p>Erki Niitlaan, Estonian Peat Association, Estonia</p>	<p>ID 62440</p> <p>EFFECTS OF PEAT FIRES ON SOIL CHEMICAL AND PHYSICAL PROPERTIES: A CASE STUDY IN SOUTH SUMATRA</p> <p>Dede Sulaeman, World Resources Institute Indonesia, Indonesia</p>	
14:40-14:50	CLOSING			
15.00-15.30	General Assembly			
15.30-16.30	Annual Assembly of National Representatives			