

7:00-8:00		YOGA (in Donaji)														
8:00-18:30		REGISTRATION (in Oaxaca Lobby)														
8:30-10:00		PLENARY SESSION: Sandra Diaz and Victor Galaz <i>The role of place-based research for global sustainability and how global drivers affect place</i> Chair Patricia Balvanera														
10:00-10:30		COFFEE BREAK														
10:30-12:00	<b><i>Collaborative pathways to ecosystem stewardship: challenges, opportunities and the spaces in between</i></b> (PSYMP-9)  <i>Chair: Mike Schoon &amp; Georgina Cundill</i>		<b><i>Exploring the socioecological dynamics of payment for hydrologic services programs: opportunities and challenges for enhancing watershed sustainability</i></b> (PSYMP-20)  <i>Chair: Heidi Asbjornsen</i>		<b><i>Toward realistic, plausible, positive futures for the planet</i></b> (PSYMP-13)  <i>Chair: Jan Kuiper</i>		<b><i>Tackling complexity by increasing complexity. Re-thinking knowledge processes through place-based transdisciplinary research</i></b> (PSYMP-8)  <i>Chairs: Elizabeth Clarke and Maraja Riechers</i>		<b><i>Local and global drivers of transformation towards sustainability in Latin America: cases from place-based research on social-ecological systems</i></b> (PSYMP-3)  <i>Chairs: Bruno Locatelli &amp; Paula Juarez</i>		<b><i>The role of sense of place in social-ecological system dynamics: exploring the empirical evidence from place-based studies</i></b> (PSYMP-25)  <i>Chair: Vanessa Masterson</i>					
	1001	Jessica Cockburn: Exploring enablers and barriers of landscape-scale collaborative stewardship initiatives in South Africa: Voices from the landscape.	1009	Kelly Meza Prado: Putting Suppliers on the Map: A participatory approach to giving voice to upstream actors of water funds.	1008	Elena Bennett: Bright Spots: Seeds of good Anthropocene.	1099	Anne Guerry: Integrating scenarios and ecosystem service modeling approaches to explore possible outcomes of decisions.	1093	Victoria Ramenzoni: <i>Toward a sustainable Gulf of Mexico: lessons from transnational scientific research and collaborations in Parque Nacional Caguanes, Cuba.</i>	1084	Vanessa Masterson: Sense of place in maintaining social-ecological system dynamics: insights from the Eastern Cape, South Africa.				
	1007	Chinwe Ifejika Speranza: Collaborative schemes to promote food production in African agroecosystems - insights from Kenya.	1036	Jacob Salcone: Spatial impact evaluation of payment for watershed services programs in Veracruz, Mexico.	1100	Garry Peterson: Participatory Social-Ecological Scenario Planning: Approaches and Frontiers.	125	My Sellberg: From Resilience Assessment to Resilience Planning: Lessons from Australian regional natural resource management.	1031	Florencia Trentini: Agroecological Strategies and Social Learnings: Case of the Peasant Movement of Santiago del Estero in Argentina.	1026	Maria Tengö: The role of place making in collective action for transforming water resources management in a social-ecological trap.				
	TBA	Jaime Aburto: Towards local governance of marine resources and ecosystems on Easter island: are there spaces for collaboration?	102	Elizabeth Shapiro-Garz: Finding the global in the local mechanisms for payments for ecosystem services national program in Mexico.	116	Ilse Geijzendorffer: Positive futures for Mediterranean wetlands biodiversity and ecosystem services.	19	Andra Horcea-Milcu: Potentials of cultural differentiations for transdisciplinary sustainability research.	11	Valentina Fonseca Cepeda: The Stories of the Chagra: Traditional Ecological Knowledge transformations as lessons towards sustainability in indigenous territories in the Colombian Amazon.	1023	Marja Spierenburg: The politics of place meanings in a transformation: insights from farm workers in the conversion of farmland to "conservation" land in the Eastern Cape, South Africa.				
	76	Marina Garcia-Llorente: Participative and collaborative farming to promote the agriculture transition towards.sustainable social-ecological systems at agroecosystems.	1046	Lin Zhen: Payment for watershed ecosystem services: practices and lessons from China.	TBA	Jan Kuiper: Priorities for social-ecological scenario research.	42	Ana L. Burgos: Transdisciplinary process facing severe droughts: lessons learned in Mexican tropical drylands.	3	Maria Jose Ibarrola Rivas: Use of resources for food per person as indicator of sustainability: comparing the heterogeneity of diets and agricultural systems of Mexico.	1051	Chloé Guerbois: Place, risk and resilience: adaptation in rapidly changing coasts.				
		1018	Lulu Zhang: Impacts and challenges of environmental restoration on hydrological services in dryland area - biophysical processes and socioeconomic perspectives.			98	Luisa María Calderón Hinojosa: Experiences of a policy-maker in a Transdisciplinary Network.			1055	Corrine Knapp: Rooted Cosmopolitanism: Can Sense of Place Scale Up?					
		1063	Adrian Vogl: Science and tools for investing in watershed services: Lessons learned from PHS decision support.			146	Roxane Maranger: Making ecosystem science matter: stakeholder-engaged research through co-design and keystone ecoservice concept.									
12:00-12:30		COFFEE BREAK														
12:30-14:00	<b><i>Making change happen? Transformations in the anthropocene</i></b> (PSYMP-28)  <i>Chair: Tobias Luthe</i>		<b><i>(How) can the ecosystem services framework foster agroecological transitions for sustainability?</i></b> (PWKSP-8)  <i>Chair: Nicolas Dendoncker</i>		<b><i>FLASH WORKSHOP</i></b> <b><i>Natural Assets – where do science and society need to go?</i></b> (PWKSP-9)  <i>Chairs: Hannah Moersberger, Cornelia Krug, Ariane de Bremond, Eva Spehn &amp; Bob Scholes</i>		<b><i>INNOVATIVE &amp; IMMERSIVE SESSION</i></b> <b><i>Community responses in times of crisis: from theory to practice</i></b> (PIIS-14)  <i>Chairs: Ilse Geijzendorffer, Evangelia Drakou &amp; Elisa Oteros-Rozas</i>		<b><i>FLASH WORKSHOP</i></b> <b><i>What have we learned about poverty and ecosystem services from diverse empirical assessments of human wellbeing? Implications for SES dynamics</i></b> (PWKSP-11)  <i>Chair: Thomas Chaigneau</i>		<b><i>FLASH WORKSHOP</i></b> <b><i>No more silos: re-connecting researchers, policy makers, ecosystems and society</i></b> (PWKSP-3)  <i>Chair: Christo Fabricius</i>					
	91	Robin Reid: Transformative science for society: The next evolution of transdisciplinary science for sustainability?									1037	Lyn Snodgrass: Dismantling silos: a conflict resolution perspective.				
	96	Julia Klein: Local to Global Pathways towards Sustainability in the World's Mountains									1024	Dirk Roux: The role of adaptive management in defragmenting conservation knowledge.				
	23	Maraja Riechers: Leverage points for sustainability transformation in human-nature connections: Insights from southern Transylvania.									1033	Chloé Guerbois: Grasping vulnerability transfers in global change adaptations combining fun-mindfulness exercises and serious games.				
	37	Tobias Luthe: Real world laboratories as place-based experiments for informing global sustainability.									1034	Christo Fabricius: Knowing when to break down silos: principles for enhancing the transformative capacity of social-ecological systems.				
	81	Christina Zurbruggen: The role of experimental Labs in socio-ecological transformations for sustainability														
14:00-15:00		LUNCH														
15:00-17:00	<b><i>The sustainability hype: climate change, nanites, and nuclear zombies</i></b> (PIIS-3)  <i>Chair: Sebastian Thomas</i>		<b><i>IMMERSIVE SESSION</i></b> <b><i>Social tipping points</i></b> (PIIS-10)  <i>Chairs: Jacopo Baggio &amp; Michael Schoon</i>		<b><i>IMMERSIVE SESSION</i></b> <b><i>Science for transformation and the transformation of science</i></b> (PIIS-6)  <i>Chair: Bob Scholes</i>		<b><i>IMMERSIVE SESSION</i></b> <b><i>Just benefit flows: understanding who benefits from ecosystem services for equitable, resilient and sustainable development</i></b> (PWKSP-10)  <i>Chairs: Jeanne Nel, Nadia Sitas and Natalia Perez Harguindeguy</i>		<b><i>IMMERSIVE SESSION</i></b> <b><i>Green and blue infrastructure in support of human well-being?</i></b> (PIIS-9)  <i>Chair: Erik Anderson</i>		<b><i>VIDEO SESSION</i></b> <b><i>Gereba</i></b> (PV4)  <i>Chair: Maria Schwenius</i>					
17:00-18:30	PARARELL POSTER SESSION (pool area)															
	<b><i>POSTER SESSION 1</i></b> <b><i>Resilience and adaptation in a changing world, part 1</i></b>				<b><i>POSTER SESSION 2</i></b> <b><i>Marine and coastal social-ecological systems</i></b>				<b><i>POSTER SESSION 3</i></b> <b><i>Co-management and social capital: lessons from around the world</i></b>				<b><i>POSTER SESSION 4</i></b> <b><i>Co-production of knowledge and transdisciplinarity</i></b>			
	141	Ahmed Khan: Climate hotspots: Exploring triple win co-benefits towards conservation, wellbeing and adaptation planning.			1094	Mohammad Mahmudul Islam: DPSIR framework for assessing social-ecological transformation in the Bay of Bengal Large Marine Ecosystem of Bangladesh.			30	Alejandra Ramirez-Leon: Governance as a component of a socioecosystem: case studies around ecotourism on the coast of Oaxaca			184	Laura Saldivar Tanaka: Tensions between two models of knowledge-making Convergence (NSF) and Co-production (Future Earth), for the sake of Humanity... and the planet.		
	168	Bárbara Viguera: Climate change adaptation measures in agroecosystems: how to promote adaptation without compromise the provision of ecosystem services?			33	Cristina González Quintero: Shocks and stressors perception in a social-ecological system: Empirical analysis of two coastal communities in Oaxaca, Mexico.			178	Iván A. Ortiz Rodríguez: Mexican Network of Socio-ecosystems and Sustainability: in community we can do more.			94	Daniela Peukert: Co-creating transdisciplinary research - a designerly approach.		
	28	Giacomo Fedele: The role of ecosystems in driving and supporting transformative adaptation responses.			117	Blanca González García-Mon: Traders" potential to increase social-ecological fit in a small-scale fisheries fish chain.			110	Catherine Tucker: Collective Action, Cloud Forest Governance and Prospects for Sustainability: The Case of the Montaña Camapara Reserve in Western Honduras			54	Rosaura Pérez Bistrain: Community technicians: an essential actor in the co-research to face weather emergencies		
60	Saray Bucio Mendoza: Changes in the regional stagnation condition after an extreme drought in Mexican dry tropic.			182	Bernadette Snow: Linking peoples knowledge, values and attitudes towards marine ecosystems.			24	Blanca Roldán-Clara: Community-based management of wild bird trappers in Mexico			45	Yanin Rodríguez Velazquez: Trust bonds in the practice of transdisciplinary networks. Case of study: pottery in Santa Fe de la Laguna.			
100	Citlalli Aídee Becerril-Tinoco: Resilience to water stress in the Valle de Toluca Socioecological System			65	Jose Alberto Zepeda Domínguez: Mismatch in Socio-Ecological Connectivity between two fishing communities in the Midriff Islas Region, Gulf of California, Mexico.			53	Bianca Currie: An implementation framework for social learning in environmental management			97	Sandra Luz Malagon Garcia: The partaking conditions and inclusive innovation in a transdisciplinary network.			
134	Victor Jimenez-Quero: Sustainable building materials.			72	Alejandra Ramirez-Leon: Governance as a component of a socioecosystem: case studies around ecotourism on the coast of Oaxaca.			109	Ana Sofia Monroy Sais: Farmer's values from social and ecological landscape attributes: understanding management decisions			107	Adriana Aguilar Rodríguez: Uncertainty and Noise in Environmental Networks: communication problems during the enrolment process of the Scolel Te project in Mexico.			
												27	Gabriela María Torchio: Moving towards public policy-ready science: a social-ecological systems perspective for conservation and management in Argentina.			
18:30-20:00		CULTURAL ACTIVITIES (several locations downtown) and YOGA (at Donaji 19:00)														

7:00-8:00							YOGA (in Donaji)						
8:00-14:00							REGISTRATION (in Oaxaca Lobby)						
8:30-10:00							PLENARY SESSION: Firket Berkes and Xavier Basurto <i>Stewardship with local institutions and governance: co-producing knowledge and scaling-up?e</i> Chair Berta Martin-Lopez						
10:00-10:30							COFFEE BREAK						
10:30-12:00	<b>Feedbacks and cross-scale interactions driving land system change in a globalized world</b> (PSYMP-12)  <i>Chairs: Ariane de Bremond and Tomas Vaclavik</i>		<b>Socio-cultural valuation of ecosystem services: status quo and future directions</b> (PSYMP-1)  <i>Chairs: Tobias Plieninger &amp; Claudia Bieling</i>		<b>Putting transformative adaptation into action</b> (PSYMP-4)  <i>Chair: Matthew Colloff</i>		<b>Urban sustainability transformations in the context of climate-driven extreme events in us and latin america</b> (PSYMP-19)  <i>Chair: Timon McPhearson</i>		<b>Social-ecological regime shifts: implications for the sustainable development goals</b> (PSYMP-18)  <i>Chair: Kristine Maciejewski</i>		<b>Social-ecological evaluation of conservation and development policies: an empirical approach</b> (PSYMP-14)  <i>Chairs: Driss Ezzine de Blas &amp; Sophie Avila</i>		
	1058	Tomas Vaclavik: Transferability of place-based research in land system science	1003	Tobias Plieninger: Using social media photos to explore the relation between cultural ecosystem services and landscape features across five European sites	50	Matthew Colloff: What is transformative adaptation to global change and how might we do it?	1028	Timon McPhearson: Cross-City Spatial Comparison of Green Infrastructure Distribution in the US and Latin America	1069	Kristine Maciejewski: The Regime Shift Database and link to the Sustainable Development Goals	1089	Driss Ezzine-de-Blas: Social-Ecological Evaluation of Conservation and Development Policies: An Introduction	
	1068	Florian Zabel: Trade-offs between intensification, expansion, biodiversity and food security - an integrated global approach	127	Erik Gomez-Baggethun: Bridging the gap between ecosystem services valuation, sustainability and justice	34	Sandra Lavorel: Pathways to adaptation in the French Alps	1040	Elizabeth Cook: A Social-Ecological-Technological Systems (SETS) Approach to Urban Ecosystem Services	1070	FJuan Carlos Rocha G.: Cascading effects of critical transitions in social-ecological systems	1013	Sophie Avila-Foucat: Ecotourism effects on rural households economy and the role of conservation and development policies in Oaxaca coastal communities	
	1085	Ariane de Bremond: A typology to operationalize the telecouplings concept for studying land system change	1020	Claudia Bieling: Using freelisting interviews for the socio-cultural valuation of ecosystem services	1011	Bruno Locatelli: Nature-based versus technological approaches to adaptation to climate change in the Peruvian Andes: Different values, rules and knowledge	1041	Nancy Grimm: A social-ecological-technical systems approach to understanding urban complexity and building climate resilience	1056	Linda Luvuno: A survey of the livelihood impacts of social-ecological regime shifts: The case of woody encroachment in South Africa	1019	Jean-francois Le Coq: Exploring farmers responses to policy instruments for better provision of Ecosystem Services: insight from participatory simulation in coffee agro-forestry system Costa Rica and Nicaragua	
	9	Victor Galaz: Tax havens, ecological change and global sustainability	144	Tim Daw: Do the poor benefit more? Patterns of ecosystem service benefit distribution and poverty in coastal Kenya and Mozambique	1025	Elizabeth Clarke: An heuristic approach to transformative coproduction of knowledge for change	1010	Hallie Eakin: Scenarios of alternative water governance in vulnerability to water risks in Mexico City	1101	Garry Peterson: Social-ecological regime shifts in the Arctic: Strategies for building resilience			
	58	Sarah Wolff: Meeting global land restoration targets: what would the world look like?	29	Jason Julian: Cross-scale connections among stakeholders of freshwater ecosystem services in the San Marcos River watershed: A PECS WaterSES social-ecological system case study	140	Georgina Cundill: Emerging lessons from CARIAs: Gender, water security and mobility as entry points for cross-scale adaptation planning in climate change hotspots	1048	David Iwaniec: Visions and Strategies for Guiding Urban Transformations			1002	Eric Sabourin: The "commodification" of nature: an anthropological look at the Payment for Environmental Services	
	TBA	Ralf Seppelt: The simultaneous effects of land-use intensification on biodiversity and production: A global meta-analysis	25	Sarel, S. Cilliers: Health clinic gardens as social-ecological systems: Resource diversity and stakeholder perceptions on ecosystem services			TBA	Marta Berbés-Blázquez: Transformative change in social-ecological-technological systems			1065	Armando Sánchez: An evaluation of the impact of ecosystem management for climate change adaptation in the Oaxaca Sierra Norte	
											1022	Diana Alexandra Tovar Bonilla: Governance of the marine extractive reserve prainha do canto verde (ceará , brazil): contribution to socio-economic incentives	
											1074	Lucía Almeida-Leñero: Socio-ecological approach on the evaluation of Public Programs in the Conservation Soil of Mexico City	
	12:00-12:30							COFFEE BREAK					
12:30-14:00	<b>SPEEDTALK SESSION</b>  <b>Integrating the social and the ecological: scenarios, planning and management</b>  <i>Chair: Zuzana Harmackova</i>		<b>SPEEDTALK SESSION</b>  <b>Issues of access, equity and perceptions of value</b>  <i>Chair: My Sellberg</i>		<b>SPEEDTALK SESSION</b>  <b>People, landscapes and multiple ecosystem services</b>  <i>Chair: Megan Meacham</i>		<b>SPEEDTALK SESSION</b>  <b>Innovative and local approaches to sustainability challenges</b>  <i>Chair: Amanda Jiménez Aceituno</i>		<b>SPEEDTALK SESSION</b>  <b>Governance and community level natural resource management</b>  <i>Chair: Jean-Baptiste Jouffray</i>		<b>SPEEDTALK SESSION</b>  <b>Complex issues of climate, land use and water management</b>  <i>Chair: Jan Kauiper</i>		
	31	Amrita Neelakantan: (PECS project - Conserving Central India) Reconciling conservation and social goals when resettling people from protected areas - A case study from central India.	188	Laura López-Hoffman: Spatial subsidies, environmental justice and ecosystem services in the conservation of migratory species	187	Mario Torralba: Ecosystem service assessment, tradeoff and synergies analysis and ecosystem service bundles identification in four European silvopastoral landscapes	187	Mollie Chapman: A payment by any other name: Starkly different perceptions of Costa Rica's PES from participants to managers	186	Mabel Sanchez Matias: Assessment of adaptive capacities to deal with climate change in two Michoacan municipalities	7	Leonardo Calzada: Socio-ecological dynamics linked to hydrological ecosystem services provision in seasonal-dry forests in southern Mexico	
			46	Stephen Woroniecki: Empowerment through Ecosystem-based Adaptation - Evidence from Sri Lanka	126	Megan Meacham: Unpacking ecosystem service bundles: key considerations for the assessment of ecosystem service bundles	12	Flor Rivera Lopez: Lessons for native maize conservation from transdisciplinary arts-based research with indigenous farming communities in Oaxaca	1108	Hilda Hesselbach: Monterrey Water Fund Conservation Plan: An Integrated Science-Based Tool for the Water Security Decision-Making Process	39	Fanny Langerwisch: Combined effects of climate and land use change on the provision of ecosystem services in example regions of the rice agro-ecosystems in Southeast Asia	
	43	Maria Jose Ibarrola Rivas: Tracing Tomato Teleconnections: What the consumer doesn't know about the tomato on his plate	52	Violeta Gutiérrez Zamora: Rethinking democracy in community natural resources management: gender, equity and environmental governance in Oaxaca, Mexico	137	Cristina Quintas-Soriano: Exploring the effects of Social-Ecological dynamics on stakeholder preferences on relationships between ecosystem services: a PECS-WaterSES analysis	79	Sebastian Thomas: Developing a sustainable eco-enterprise for community benefit and climate resilience in Taveuni, Fiji	22	Barbara Schroeter: Sustainable river landscapes through nature-based solutions? Contribution from governance approaches	41	Ilse Kotzee: Assessing and mapping supply and demand of flood regulation: broadening understanding through a systems perspective	
	48	David Lam: Towards a sustainable Southern Transylvania: Recognizing existing contributions to reach sustainable visions and empowering stakeholders	90	Maria Jose Martinez-Harms: Equity and accessibility of cultural ecosystem services from the protected areas of Mediterranean Chile	138	Jodi Brandt: Social mapping of ecosystem services supply: a case study in the semi-arid western United States	88	Joerg A. Priess: How can we get back forests? Operationalizing payments for ecosystem services in Brazil's sugarcane belt	33	M. Azahara Mesa-Jurado: Ecosystem services-based approaches in Mexican policy-making practice: Chiapas case study	44	Alba M. Ortega Gome: Use of short-term territorial scenarios in weather emergencies: a study case in the Bajo Balsas (Mexico)	
	57	Ugo Arbieu: Social-ecological implications of a large carnivore recovery: understanding attitudes toward recolonizing wolves in Germany	113	Andiswa Finca: The social history of the changes in the access and management of the communal rangelands and effects on rural people's well-being in the Eastern Cape Province, South Africa	150	John Quinn: Using anthromes to frame local conservation research and bridge towards global sustainability	99	Esteban Calderón Hinojosa: Tools for organizing civil society in sustainability projects	92	Jean Lee: Socio-ecological Resilience on the Western Slope of Colorado, USA: How communities respond and adapt to conflicts over natural resource use	68	Antonio J. Castro: Water scarcity and governance across freshwater Social-Ecological Systems (WaterSES): a Program on Ecosystem Change and Society (PECS) perspective	
	62	Francis Turkelboom: When we cannot have it all: Ecosystem services trade-offs in real-life planning contexts	150	A.B.M.Mahfuzul Haque: Co-managing complex social-ecological systems in Bangladesh: An empirical evidence in community based fish culture in the public and private floodplain	163	Sazcha Olivera: Fire and Floods, Cultural Landscapes in the Amazonian Floodplains	131	Amanda Jiménez Aceituno: Seeds for a good Anthropocene: analysing context-specific initiatives with high potential to contribute to more sustainable social-ecological futures	108	Katja Malmborg: Towards implementation of the ecosystem services concept - An iterative participatory approach	73	Rafael Calderón-Contreras: Analysing scale, quality and diversity of green infrastructure and the provision of Urban Ecosystem Services: A case from Mexico City	
	69	Jacopo Baggio: Managing ecological disturbances: Learning and the structure of social-ecological networks	163	Alta De Vos: Out of sight, out of pocket: The value of water-related ecosystem services provided by an undervalued protected area section to diverse downstream stakeholders	166	Sylvia Wood: Socio-ecological analysis of uptake of agro-environmental practices in intensive agriculture in Quebec	176	Iskra Rojo: An integrated assessment of an indicators proposal for Payment for Ecosystems Services. The challenge to quantify the effects of ecosystem services in a Mexico City case study	124	Caroline Schill: Uncertainty can help protect the commons in the face of climate change	93	Lindie Smith-Adao: Ecosystem service supply and use: Links between strategic water source areas and urban water security	
	82	Janis Smith: Effective management of protected areas to deliver benefits in a landscape	166	Sander Jacobs: The means determine the end in pursuing integrated valuation in practice	169	Odirilwe Selomane: Using household data to disaggregate ecosystem services dependence	180	Laura Lynes: Global North Indigenous Community Knowledge Sharing with Global South - a model for the Indigenous Peoples' Platform	157	Alejandro Espinoza-Tenorio: The Round table of fisheries multi-level governance: Examples from Mexico's	160	Ryan Blanchard: Understanding the social and ecological impacts of biofuel production in rural communities	
	89	Louise Gammage: Strategizing rather than coping: considering one's options in case the fish leave							174	Rodrigo Oyanedel: Illegal fishing under a territorial user rights for fisheries policy in Chile			
143	Zuzana Harmácková: Resilience of small-scale fisheries: Scaling up case-based evidence									170	Jean-Olivier Goyette: Low phosphorus buffering capacity and long legacies in watersheds threaten water quality		
183	Nakileza bob: Assessing socio-ecological resilience to natural disasters in a tropical mountain in Africa												
14:00-15:00							LUNCH						
15:00-17:00	<b>INNOVATIVE AND IMMERSIVE SESSION</b>  <b>Fulfilling the promise of ecosystem service science: lessons from real world practitioners</b> (PIIS-21)  <i>Chair: Elena Bennett</i>		<b>INNOVATIVE AND IMMERSIVE SESSION</b>  <b>Diverse epistemologies for global sustainability – a deep conversation about how different ways of knowing the world can matter for transformation</b> (PIIS-22)  <i>Chair: Maria Tengö</i>		<b>INNOVATIVE AND IMMERSIVE SESSION</b>  <b>Chefs and cooks as change-makers in the food system: leveraging the innovation potential of indigenous knowledge and traditional food for creating a more sustainable and just food system</b> (PIIS-1)  <i>Chairs: Laura Pereira &amp; Rafael Calderon-Contreras</i>		<b>INNOVATIVE AND IMMERSIVE SESSION</b>  <b>Crossing the boundaries: stories of a place-based approach to multi-ecosystem governance at the land-sea interface</b> (PIIS-20)  <i>Chair: Angelina Sanderson Bellamy</i>		<b>INNOVATIVE AND IMMERSIVE SESSION</b>  <b>Sustainability and transdiscipline in practice: tropical ecosystem conservation and restoration</b> (PIIS-28)  <i>Chair: Evodia Silva-Rivera</i>		<b>VIDEO SESSION</b>  <b>Coffee and honey - biocultural diversity as a source of resilience in eastern Ethiopia</b> (PV-1)  <i>Chair: Viveka Mellegård</i>		

17:00-18:30	PARALLEL POSTER SESSION (pool area)			
	<div>POSTER SESSION 5</div> <div>Ecosystem services in social-ecological systems</div> <div>Chair: Sander Jacobs</div>	<div>POSTER SESSION 6</div> <div>Innovative methodological tools</div> <div>Chair: Berta Martin-Lopez</div>	<div>POSTER SESSION 7</div> <div>Social-ecological production systems</div> <div>Chair: Antonio Castro</div>	<div>POSTER SESSION 8</div> <div>Resilience and adaptation in a changing world, part 2</div> <div>Chair: Marja Spiereburg</div>
	135 Courtney Quinn: A Place-Based Investigation of Farmer Conservation the American Southeast: Linking Understanding and Management Intentions for Ecosystem Services	146 Anna Ferretto: How can we evaluate the Scottish biophysical boundaries?	152 Irina Llamas Torres: The Socio-ecological system of mexican oregano: a proposal for sustainable development.	159 Eliška Krkoška Lorencová: Urban climate change adaptation and nature-based solutions: insights from participatory process in Czech cities
	172 Maria Perevochtchikova: Integrated evaluation of payment program effects for hydrological environmental services in Ajusco, Mexico city	21 Oliver Miltenberger: Spatial effects of resource use on endemic distributions	68 Janica Anderzén: Assessment of Diversification Strategies in Smallholder Coffee Systems of Mexico	185 Arturo Ramos Bueno: Socio-spatial analysis of residential water demand in Mexico City
	51 Violeta Hevia: Semi-natural habitats and Green Infrastructures to enhance wild bee populations and pollination services in Mediterranean oilseed crops	1047 Huimin Yan: The Accounting Approach of Natural Resource Liability for Defining Payment Scheme	161 Chinwe Ifejiika Speranza: Environmental performance of food systems in the Mount Kenya region	35 Edward Ott: The role of institutions and property rights on multifunctionality of urban green infrastructure
	103 Gustavo Cruz-Bello: Hydrological ecosystem services loss in a fast growing urban area in the west of the Mexico City	15 Sebastian Thomas: The Sustainability Hype: an integrated research and learning tool for complex social-ecological challenges	167 Citlalli López Binnqvist: Agroforestry diversification in two campesino coffee production regions in Veracruz, Mexico	64 Luis Guillermo García Jácome: Exploring the resilience of a socio-ecosystem in Yucatan, Mexico, through a dynamic network model
	4 Maria Jose Ibarrola Rivas: Valuing ecosystems services of maize production in Mexico: the need for an interdisciplinary approach	85 Yunfeng Hu: Study on Beijing's Land Change from 1990 to 2016 Supported by GEE Platform and CART Method	173 Maria Perevochtchikova: The operationalization of forest socio-ecosystem and effects determination of the payment Program for Environmental Services in Mexico in two contexts: peri-urban and rural.	70 Jacopo Baggio: Individual cognitive abilities and group adaptability to changing social and environmental conditions
	77 Marina García-Llorente: Ecosystem service importance and vulnerability at rural and agricultural areas and its links to human wellbeing indicators	84 Cesare Laconi: Collaborative mapping around water issues in Andalusia: meaningful open data for inclusive management	49 Marta Berbes-Blazquez: Seeing like a system: Exploring the power dimensions of regime shifts in ecosystem management	128 Uno Svedin: What is the role of culture in transformations towards sustainability in the Anthropocene?
	123 Sylvia Wood: Distilling the role of ecosystem services in the SDGs	120 Krista Capps: Integrating stoichiometric thinking into socio-ecological systems: relationships among ecology, wastewater infrastructure, environmental regulations, and human well-being	20 Martha Bárbara Puente Uribe: Dynamics of global change in the agriculture and food sector: factors influencing a case study in Central Mexico.	168 Bárbara Viguera: Climate change adaptation measures in agroecosystems: how to promote adaptation without compromise the provision of ecosystem services?
18:30-20:00	YOGA (at Donaji )			
01 OAXACA 1	03 OAXACA 3	T TANILAOO	P POSTERS (by the POOL)	LUNCH (Patio de los Laureles)
02 OAXACA 2	G GUELAGUETZA	D DAINZU	Y YOGA (DONAJI)	COFFEE BREAK (Pérgola)



7:00-8:00							YOGA (in Donaji)																						
8:00-14:00														REGISTRATION (in Oaxaca Lobby)															
8:30-10:00														Plenary session: Elena Bennett and Juliana Mercon. <i>Opportunities in the Anthropocene.</i> Chair Albert Norström															
10:00-10:30														COFFEE BREAK															
10:30-12:00		<div><div><div><div>Marine systems in the Anthropocene</div><div>(PSYMP-16)</div><div>Chair: Magnus Nyström</div></div></div><div><div>1072 Magnus Nystrom: The Blue Acceleration: racing for the oceans to secure global human support</div><div>1077 Albert Norstrom: Understanding interacting drivers of change in marine systems: exploring the interplay between proximate and distal drivers</div><div>1061 Stefan Geloich: Exploring novel and collaborative governance strategies for guiding global marine futures</div><div>67 José Alberto Zepeda Domínguez: Benefits from ecolabels and other market incentives in developing country fisheries</div><div>1073 Jean-Baptiste Jouffray: Emergence of a global science-business initiative for ocean stewardship</div></div></div>				<div><div><div><div>Governance challenges for climate adaptation in protected areas management</div><div>(PSYMP-15)</div><div>Chair: Claudia Munera</div></div></div><div><div>1030 Michael Dunlop: Adaptation pathways: enabling multi-level learning</div><div>1104 Lorrae van Kerkhoff: Knowledge and environmental governance: challenges of managing for the future</div><div>34 Sandra Lavorel: Pathways to adaptation in the French Alps</div><div>171 Rachel Williams: Adaptation in Place: learning how to adapt marine NRM</div></div></div>				<div><div><div><div>Biocultural diversity and resilience of social-ecological systems</div><div>(PSYMP-6)</div><div>Chair: Barbara Ayala</div></div></div><div><div>TBA Niceforo Argueta: Introductory words for the symposium</div><div>1080 Patricia Balvanera: Why biocultural diversity and resilience?</div><div>1107 Alejandro de Avila Blomberg: How do you speak about people, nature and change? Responses from the languages of Oaxaca</div><div>1105 Xavier Martinez Esponda: The Constitution and the biocultural heritage</div><div>TBA Pedro Alvarez-Icaza: Opportunities into the future and policy</div></div></div>				<div><div><div><div>The role of technology in social-ecological systems</div><div>(PSYMP-10)</div><div>Chair: Omar Masera</div></div></div><div><div>1091 Manuel Maass: The technological dimension in the socioecosystem concept</div><div>1029 Helene Ahlborg: Technology and social-ecological systems research - motivations for theoretical and methodological integration across fields</div><div>1045 Kimberly Rogers: Infrastructure Governance and Institutional Misfit in Delta Socioecological Systems</div><div>TBA Ilse Ruiz-Mercado: Studying socio-technical-ecological systems: monitoring adoption of ecotechnologies in Mexico</div><div>TBA Sharachchandra Lele: Technology drowns ecology? Some insights from the water sector</div><div>TBA Miguel Equihua: Operating the Lever of "information flows" to foster accountable sustainability</div></div></div>				<div><div><div><div>Transformations of social-ecological systems: pathways towards sustainable resilience in mexico</div><div>(PSYMP-23)</div><div>Chair: Amy Lerner</div></div></div><div><div>1053 Maria Schewenius: Supporting resilient urban freshwater production in the Anthropocene: applying the Resilience Assessment tool to Mexico City</div><div>1038 Lakshmi Charli-Joseph: Promoting transformative pathways to sustainability: The Transformation-lab in the Xochimilco social-ecological system</div><div>1062 Patricia Pérez Belmont: Thresholds for resilience changes of Chinampas Socio-Ecological System (C-SES): an agent based approach</div><div>1050 Beatriz Ruizpalacios: Challenges of building sustainable resilience through waste management in peri-urban landscapes: A case of the Xochimilco wetland in Mexico City</div><div>1042 Bertha Hernández Aguilar: Understanding collective adaptation in conditions of water scarcity: the case of Iztapalapa, Mexico City</div><div>1071 Shiara Kirana González Padrón: Transforming water access in the Sierra Huichol: Water as a pathway towards sustainability</div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>Informing place-based research through gender and feminist approaches to social-ecological transformation</div><div>(PIIS-15)</div><div>Chairs: Irene Iniesta-Arandia &amp; Federica Ravera</div></div></div></div>							
		12:00-12:30														LUNCH													
		12:30-14:00		<div><div><div><div>Equity and environmental change in an urbanizing world</div><div>(PSYMP-21)</div><div>Chair: Dr. Bonnie Keeler</div></div></div><div><div>TBA Beth Tellman: Clientelism, Corruption, Poverty, and Informality: the governance of land and ecosystem services in Mexico City's conservation zone</div><div>1039 Amy Lerner: Incorporating cultural ecosystem services into urban wetland management: The case of Xochimilco, Mexico City</div><div>1035 Cynnamon Dobbes: Inequities in the provision, tradeoffs and synergies of urban vegetation ecosystem services</div><div>1017 Maike Hamann: The Inequality Effect: Links between Income Inequality, Biodiversity Loss and Ecosystem Services in South African municipalities</div><div>1043 Kate Derickson: Urban racial segregation in the US and implications for ecosystem services research</div><div>1049 Bonnie Keeler: Accounting for equity in the supply and value of urban ecosystem services</div></div></div>				<div><div><div><div>FLASH WORKSHOP</div><div>Operationalizing tools and strategies for sustainable cities in small to medium sized cities</div><div>(PWKSP-13)</div><div>Chair: Luis Bernardo-Vasquez</div></div></div><div><div>1081 Wendy Brawer: Green Maps for Changing Communities</div><div>1096 Laura Elisa Quiroz Rosas: Contribution of the Quantity and Quality of Green Infrastructure for the construction of Resilience in Small and Medium-Sized Cities: A case from Mexico's Pueblos Mágicos</div><div>1075 Celia Ruiz de Oña plaza: Adaptation in intermediate cities and urban water management: Understanding local dynamics for future climate policy</div><div>1076 Paulina Uribe Morfin: Adolescents as factors of change towards the sustainability of the city of Irapuato, Guanajuato through environmental education and the green map</div><div>1078 My Sellberg: Resilience assessment: a useful approach to navigate urban sustainability challenges</div></div></div>				<div><div><div><div>FLASH WORKSHOP</div><div>Ecosystem services as a conceptual frame for unpacking the value of protected areas</div><div>(PWKSP-4)</div><div>Chair: Alta De Vos</div></div></div><div><div>1005 Graeme Cumming: Ecosystem Services as a lens for understanding the value of Protected areas</div><div>1027 Alta De Vos: Ecosystem services as a conceptual frame for unpacking the value of protected areas: emerging themes and policy opportunities from southern Africa</div><div>1006 Tobias Plieninger: Implementation of the Ecosystem Services Approach in German Biosphere Reserves</div><div>1103 Xavier Basurto: Ecosystem Services in the Eye of the Beholders and their Local Community</div></div></div>				<div><div><div><div>SPECIAL ISSUE SESSION</div><div>(Invitation only)</div></div></div></div>				<div><div><div><div>FLASH WORKSHOP</div><div>Speaking a transdisciplinary language: knowledge integration in socio-ecological research</div><div>(PWKSP-7)</div><div>Chair: Gabriela Alonso-Yanez</div></div></div><div><div>1084 Marcella Ohira: How to foster transdisciplinary projects through capacity building</div><div>1087 Gabriela Alonso-Yanez: Collaboration as a learning process: lessons from education and design thinking</div><div>1082 Lily House-Peters: The Key Roles of Transdisciplinary Collaboration for Achieving Global Sustainability Targets</div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>Educating 'glocally': place-based research in international sustainability-education</div><div>(PIIS-5)</div><div>Chair: Leonie Bellina</div></div></div></div>					
				14:00-15:00														LUNCH											
				15:00-16:30		<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>Hacking sustainable diets</div><div>(PIIS-16)</div><div>Chair: Juan Rocha</div></div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>What can multiple values bring to the table? Experiences across regions of the world</div><div>(PIIS-27)</div><div>Chair: David González Jiménez</div></div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>Tradeoff! Interactive training game</div><div>(PIIS-7)</div><div>Chair: Henry Borrebach</div></div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>Mixed reality, virtual reality, and augmented reality – the hows and whats on merging sustainability science with immersive technology</div><div>(PIIS-23)</div><div>Chair: Maria Schewenius</div></div></div></div>				<div><div><div><div>INNOVATIVE AND IMMERSIVE SESSION</div><div>A board game of Mexico City's socio-hydrological system to communicate and validate an agent-based model with stakeholders</div><div>(PIIS-19)</div><div>Chairs: Rebecca Shelton &amp; Hallie Eakin</div></div></div></div>				<div><div><div><div>VIDEO SESSION</div><div>The Dynamics of Land Deals in Africa</div><div>(PV-2)</div><div>Chair: Yvette Lambrecht</div></div></div></div>			
						16:30-17:30														CLOSING PLENARY									
18:30-LATE														CONFERENCE DINNER AND PARTY															
01		OAXACA 1				03		OAXACA 3		T		TANILAOO		P		POSTERS (by the POOL)				LUNCH (Patio de los Laureles)									
02		OAXACA 2				G		GUELAGUETZA		D		DAINZU		Y		YOGA (DONAJI)				COFFEE BREAK (Pérgola)									