

## DAY 1: Wednesday 8<sup>th</sup> of January

Start	End	Topic	Place	Presenter	Title
8:00	8:30	Accreditation	Auditorio FCF		Credentials Pick-up - Front Desk. EJICS
8:30	8:50	Welcome	Auditorio FCF	FCF y FA	Welcome Second EJICS 2020
<b>8:50</b>	<b>9:30</b>	<b>Keynote Speaker</b>	<b>Auditorio FCF</b>	<b>Dr. Laurent Philippot (INRA, France)</b>	<b>Microbial diversity and soil functions</b>
9:30	9:50	Soil Biology and Biochemistry	Auditorio FCF	Daniel Chávez	Shifts in soil traits and arbuscular mycorrhizal symbiosis represent the conservation status of <i>Araucaria araucana</i> forests and the effects after fire events
9:50	10:10	Soil Biology and Biochemistry	Auditorio FCF	Lely Soto	Invasion of <i>Pinus radiata</i> in Los Ruiles National Reserve and its chemical control: effect on soil biological activity
10:10	10:30	Soil Biology and Biochemistry	Auditorio FCF	Alejandro Atenas	Evaluation of the enzymatic activity and diversity of soil microorganism in Andean temperate forests degradation gradient.
<b>10:30</b>	<b>10:50</b>	<b>Coffee Break</b>	<b>Sala Estudio FCF</b>		<b>Coffee</b>
10:50	11:10	Pedology and Soil Biogeochemistry	Auditorio FCF	Felipe Zuñiga	Carbon Stocks and Colloidal Fractions in Andean Soils
11:10	11:30	Pedology and Soil Biogeochemistry	Auditorio FCF	Franko Arenas Diaz	Pedogenesis in hyper-arid environments: Soil initiation process in the Atacama Desert
11:30	11:50	Pedology and Soil Biogeochemistry	Auditorio FCF	Luis Sanchez	Soil chemical indicators and nutrient cycling variations across sequential years of rice cultivation: a case study of floodplain conditions of the Amazon, Brazil
11:50	12:10	Pedology and Soil Biogeochemistry	Auditorio FCF	Oscar Crovo	Differential responses of soil C, N and P stocks and available pools to conversion from native forest to exotic plantations in soils of contrasting origins
12:10	12:30	Pedology and Soil Biogeochemistry	Auditorio FCF	Marcela Hidalgo	An approach to predict Carbon stability by the evolution of $\delta^{13}C$ signature in soil profiles: Preliminary results
<b>12:30</b>	<b>14:30</b>	<b>Lunch Break</b>	<b>Self</b>		<b>Lunch / SCHCS Members Meeting - Auditorio FCF (12:30-13:30)</b>
<b>14:30</b>	<b>14:50</b>	<b>Coffee Break</b>	<b>Sala Estudio FCF</b>		<b>Coffee</b>
<b>14:50</b>	<b>15:30</b>	<b>Keynote Speaker</b>	<b>Auditorio FCF</b>	<b>Dra. Claudia Czimczik (U. California, USA)</b>	<b>C cycling in the New Arctic: Isotopic insights into the permafrost C-climate feedback</b>
15:30	15:50	Soil Fertility	Auditorio FCF	John Clunes	Inorganic N diffusion in volcanic soils during continues wetting-drying cycles, using the micro dialysis technique
15:50	16:10	Soil Fertility	Auditorio FCF	Jorge Werth	Influence of deficit irrigation on the nutritional soil-plant relationship in three grasslands in the south of Chile
16:10	16:30	Soil Fertility	Auditorio FCF	Bélgica Maudier	Phyto-toxicity of wood ashes and dregs & grits applied to Alfisol and Ultisol soils
<b>16:30</b>	<b>18:00</b>	<b>POSTERS</b>	<b>Sala Estudio FCF</b>	<b>All presenters</b>	
<b>18:00</b>	<b>20:00</b>	<b>"Un shop por el suelo"</b>	<b>CIBUS Restobar</b>		<b>Edmundo Larenas 134, Concepción</b>
<b>18:30</b>	<b>19:10</b>	<b>Keynote Speaker</b>	<b>CIBUS Restobar</b>	<b>Dr. Ricardo Aroca (CSIC, Spain)</b>	<b>Soil-Plant Relationships, the role of microorganisms</b>

## DAY 2: Thursday 9<sup>th</sup> of January

Start	End	Topic	Place	Presenter	Title
8:30	9:00	Acreditación	Auditorio FCF		
9:00	9:20	Soil Physics and Hydrology	Auditorio FCF	Elizabeth Ramirez	Effect of land cover change on the water consumption of pine and scrubland in the Cauquenes river pluvial basin
9:20	9:40	Soil Physics and Hydrology	Auditorio FCF	Javier Rivera	Comparative analysis of the available water content of soils in urban parks in Santiago
<b>9:40</b>	<b>10:00</b>	<b>Coffee Break</b>	<b>Sala Estudio FCF</b>		<b>Coffee</b>
<b>10:00</b>	<b>10:40</b>	<b>Keynote Speaker</b>	<b>Auditorio FCF</b>	<b>Dr. Davey Jones (Bangor, U. UK)</b>	<b>Exploring the links between rhizosphere carbon flow and subsoil carbon storage.</b>
10:40	11:00	Soil Conservation and Rehabilitation	Auditorio FCF	Nadia Rojas	Changes in soil properties between crops of grapes and semiarid forests in the Caatinga biome
11:00	10:10	Soil Conservation and Rehabilitation	Auditorio FCF	Jorge Medina	Effects of nanominerals and biochar in agricultural waste composting: analysis of end-products composition and biodegradability on grassland soils.
11:20	11:40	Soil Conservation and Rehabilitation	Auditorio FCF	Natalia Aguilera	Effect of three native species assemblages on C, N & P contents of burned soils
11:40	12:00	Soil Conservation and Rehabilitation	Auditorio FCF	Ingrid Martinez	Conservation technologies to evaluate erosion in volcanic-ash soils
<b>12:30</b>	<b>14:00</b>	<b>Lunch Break</b>	<b>Self</b>		<b>Lunch</b>
<b>14:00</b>	<b>14:40</b>	<b>Keynote Speaker</b>	<b>Auditorio FCF</b>	<b>Dr. Abad Chabbi (INRA, France)</b>	<b>Soil capital- our last rampart to address climate change, food security &amp; reaping societal challenges</b>
14:40	15:00	Soil Pollution and Reclamation	Auditorio FCF	Mauricio Varas	(CSIC) Use of Models of Ionization and Surface Complexation in the sorption of Ciprofloxacin on Andisol Santa Barbara.
15:00	15:20	Soil Pollution and Reclamation	Auditorio FCF	Crisitian Urdiales	Simulation of transport of Sulfamethoxazole in ash derived soils carried by HYDRUS-1D: relevance of organic matter
15:20	15:40	Soil Pollution and Reclamation	Auditorio FCF	Humberto Aponte	Alteration of enzyme activities and functional diversity of a soil contaminated with copper and arsenic
15:40	16:00	Soil Conservation and Rehabilitation	Auditorio FCF	Belén Henriquez	Bioavailability of Cadmium in Andisol of Southern Chile
<b>16:00</b>	<b>16:40</b>	<b>Keynote Speaker</b>	<b>Auditorio FCF</b>	<b>Dra. Cornelia Rumpel (CNRS, France)</b>	<b>Enhancing ecosystem services through management of soil organic matter</b>
<b>16:40</b>	<b>18:30</b>	<b>POSTERS</b>	<b>Sala Estudio FCF</b>	<b>All presenters</b>	<b>Coffee</b>

### DAY 3: Friday 10<sup>th</sup> of January

Start	End	Topic	Place	Presenter	Title
9:00	10:30	Soil Profile 1	FCF, UdeC	Dr.Aburto, F. Dr. Rubilar, R.	Soil profile exposure - Campus Concepción, Universidad de Concepción
10:30	12:00	Travel	Concepción to Chillán	NA	Travel by bus to Campus Chillán Universidad de Concepción
12:00	13:30	Soil Profile 2	FA, UdeC	Dr. Stolpe, N.	Soil Pit - Campus Chillán, Universidad de Concepción
13:30	16:00	BBQ	FA, UdeC		Final BBQ Lunch