

## Canadian Society for Ecological Economics & Economics for the Anthropocene Conference

### Extended Program

|  |                      |
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|  | Session en français  |
|  | Special session      |
|  | Flash presentations  |
|  | Poster presentations |

#### Thursday Oct. 19th

|           |  |
|-----------|--|
| 17h – 19h | <b>Opening Cocktail<br/>&amp;<br/>Registration</b><br><br><b>TBD</b> |
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#### Friday Oct. 20th

| Time        | Presentations  |
|-------------|--|
| 8h – 8h30   | Registration   |
| 8h30 – 9h   | <b>Opening Remarks</b><br><br>A. Sheppard<br>M. Molnar<br>Pr. Brown<br>P. Lanoie<br>TBD*                         |
| 9h – 10h    | <b>Keynote speaker</b><br><br><b>Theme 1: Biophysical Limits</b><br><br>A. Gonzalez<br>D. Matthews<br>E. Bennett |
| 10h – 10h30 | <b>Break</b>   |

| <b>Parallel sessions</b>           |  |  |                                    |
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| <b>Theme 1: Biophysical Limits</b> |  |  |                                    |
| 10h30<br>– 12h                     | 1.1. Matter and Energy flows                           | <i>Biomass and Energy Metabolism of Canada, 1990 to 2011</i>   | A. Toseef<br>S.J. Singh            |
|                                    |  | <i>Material and Energy Flow Analysis for the Region of Waterloo, Canada</i>  | A.<br>Senthilnayagam<br>S.J. Singh |
|                                    |  | <i>Industrial transformation pathways of China and India and their implications</i>  | M. Fischer-Kowalski                |
|                                    |  | <i>The examination of Cuba form economy ecology</i>  | E. Lopez Bastida                   |
|                                    |  | <i>The stock-flow-service nexus: new directions for Ecological Economics?</i>  | H. Haberl                          |
|                                    | 1.2. Water resource management                         | <i>Low phosphorus buffering capacity and long legacies in watersheds threaten water quality</i>  | J.O. Goyette                       |
|                                    |  | <i>Circular Economy Perspective on the Water Footprint</i>   | S. Sauvé                           |
|                                    |  | <i>Examination of the Environmental Kuznets Curve for water pollutants-A GMM based approach</i>  | S. Apra                            |
|                                    |  | <i>Regulating stewardship: Does water policy shape norms for pro-environmental farming?</i>  | C. Hammond Wagner                  |
|                                    | 1.3. Planetary boundaries and environmental thresholds | <i>Relational Theory: A common theoretical framework for ecological economics and ecohealth practice</i>   | D. Mallery                         |
|                                    |  | <i>The physical basis of service sector production: Examining the limits of decoupling</i>   | T. Crownshaw<br>D.H. Greenford     |
|                                    |  | <i>Bringing planetary boundaries down to earth: biodiversity tipping points in Canada?</i>   | P. Morrisson                       |
|                                    |  | <i>Assessing the environmental efficiencies of North-South e-waste trade: Lessons from the Israeli-Palestinian cross-border e-waste industry</i> | JM Davis                           |
|                                    |  | <i>Conceptualizing the discourse on E-Waste (working title)</i>  | K. Fevrier                         |
|                                    | 1.4. Special Session                                   | An introduction to Ecological Economics  | J. Farley                          |

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|  | 1.5. <i>A reflection on growth</i>   | <i>Humanity's Killer Apps and Resourceship, or Why Scientists Should Learn to Stop Worrying about the Population Bomb and Love Economic Growth.</i>                                  | P. Desrochers |
|  |  | <i>CARE TO WAGER AGAIN? AN APPRAISAL OF PAUL EHRLICH'S COUNTER-BET OFFER TO JULIAN SIMON AND ITS IMPLICATIONS FOR BIOPHYSICAL LIMITS TO ECONOMIC GROWTH.</i>                         | J. Szurma     |
|  |  | <i>The impact of consumption on global warming in Brazil in the period 1995-2012: analysis of greenhouse gas emissions from the perspective of the vertically integrated sectors</i> | L. Costa Jr   |
|  |  | <i>Managing without Growth 10 Years On</i>   | P. Victor     |
| 12h – 13h  | <b>Lunch &amp; Keynote</b><br>Theme 2 : <b><i>Equity, Social Justice and the Commons</i></b><br><br><b>TBD</b> |  |               |
| 13h30 – 14h45  | Parallel sessions<br>Theme 2 : <b><i>Equity, Social Justice and the Commons</i></b>                            |  |               |
| 2.1. <i>Intégrer le bien commun à la gestion des ressources.</i> | <i>Comptes des terres du Québec méridional</i>   | S. Uhde  |               |
|  | <i>La monnaie locale, un cas biomimétique de la résilience économique</i>                                      | M. Angel   |               |
|  | <i>Acceptabilité sociale des projets miniers au Québec</i>   | A. Corneille   |               |
| 2.2. <i>A transgenerational perspective on the commons</i>       | <i>Rights on What is Left: An Axiomatic Discussion of Grandfathering</i>                                       | J. Laurent-Luchetti  |               |
|  | <i>A liability approach to climate policy: A thought experiment</i>  | E. Billette de Villemeur   |               |
|  | <i>Examining the missing feedback link in Environmental Kuznets Curve Hypothesis.</i>                          | S. Apra  |               |
|  | <i>The Economics of Essential Resources on a Finite and Unequal Planet</i>                                     | J. Farley  |               |
| 2.3. <i>Contemporary Environmental Justice</i>                   | Democracy, Redistribution, and Climate Justice   | E. Perkins   |               |

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|               |   | Shaping Policy in the Anthropocene: Gender Justice as a Social, Economic & Ecological Challenge  | P. Spencer     |
|               |   | Unequal Natures: Unpacking environmental inequality and justice  | B. Akbulut     |
|               |   | <i>Anthropocentrism, Biocentrism and Ecocentrism: How does Inter-Species Justice relate to Inter- and Intra-Generational Justice?</i>  | G. Yahya-Haage |
|               | <i>2.4. Special Session</i>   | <i>Agriculture Nature and Communities (1) Managing ecological and economic complexity</i>  | J. Dupras      |
|               | <i>Flash presentations</i>  | <ul style="list-style-type: none"> <li>• Étude de la gestion des matières résiduelles de textile synthétique au Québec (D. Dussault)</li> <li>• Conserver les milieux naturels : le bien-être de l'homme au centre des préoccupations (C. Patry)</li> <li>• Anti-urban migration rural youth entrepreneurship development social business scheme in Bangladesh (K.A. Rouz)</li> <li>• Energy and Institution Size (B. Fix)</li> <li>• Academic Democracy and Divestment from Fossil Fuel (A. Conevska)</li> <li>• Granting Private Property Rights to Squatter Communities (AK Moustaqim-Barrette)</li> <li>• Vermont's Mobile Home Parks: The Front Lines of Climate Injustice in the Green Mountain State? (K. Hamshaw)</li> <li>• Just Distribution and Ecological Economics: The Role of Universal Basic Income (K. Kumar)</li> <li>• Valuing nature equitably: beyond monetary values (N. Britto dos Santos)</li> <li>• From sector to system: The economic embeddedness of U.S. agriculture and the need for a new path forward (C. Horner)</li> <li>• Financial Deregulation, Speculation, and Food Security: Case Studies from Brazil, Indonesia, and Thailand (S. Morris)</li> <li>• Communicating Environmental Economics (S. Holden)</li> </ul> |                |
| 14h45 – 15h15 | <b>Break</b>  |  |                |
| 15h 15- 16h45 | Parallel sessions<br>Theme 2 : <b><i>Equity, Social Justice and the Commons</i></b> |  |                |

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|                      | 2.5. <i>The social distribution of positive and negative externalities</i>                 | <i>Individual preferences regarding environmental offset and welfare compensation: a choice experiment application to an offshore wind farm project</i> | C. Kermagoret           |
|                      |  | <i>Modern irrigation double edge: Farmers' vulnerability through the lens of legitimacy and equity</i>  | A. Albizua              |
|                      |  | <i>Economics in ecosystem accounting: challenges and opportunities</i>  | M. Alam                 |
|                      |  | <i>Environmental and Social Impacts of Tin Mining and Oil Palm Development in Bangka Island of Indonesia.</i>   | Y. Wada                 |
|                      | 2.6. <i>Conflicts and appropriation of natural resources</i>                               | <i>Water's fluidity: re-conceptualizing dynamics of accumulation in water grabbing</i>  | E. Belfer               |
|                      |  | <i>Applications of Terror Management in the Ecological Crisis?</i>  | S. Sanniti              |
|                      |  | <i>From Tragedy to Community: A Critical Inquiry on the Commons</i>   | B. Akbulut              |
|                      |  | <i>Granting Private Property Rights to Squatter Communities</i>   | A.K. Moustaqim-Barrette |
|                      | 2.7. Special Session   | <i>Law and Policy for a New Economy: Sustainable, Just, and Democratic</i>  | M. Scanlan              |
|                      | 2.8. Special Session   | <i>Agriculture, Nature and Communities (2): An institutional analysis of agri-environmental programs in southern Québec</i>                             | J.F. Bissonnette        |
| 2.9 Special Session  | <i>Academics as activists? Scientists' and the academy's role in social transformation</i> | M. Wironen  |                         |
| 2.10 Special Session | <i>From environmental law to ecological law</i>  | G. Garver   |                         |
| 16h45 – 18h30        | <b>Optional activity</b><br><i>Guided visit of the Mont-Royal Park</i>                     |   |                         |

**Saturday Oct. 21st**

| <b>Time</b>  | <b>Presentations</b>                                  |  |                        |
|--------------|---|--|------------------------|
| 8h – 8h30    | <b>Registration</b>                                   |  |                        |
| 8h30 – 9h30  | <b>Keynotes</b>                                       |  |                        |
|              | <b>Theme 3 : Alternative Movements and Discourses</b> |  |                        |
|              | C. Spash<br>N. Kosoy                                  |  |                        |
|              | <b>Parallel sessions</b>                              |  |                        |
|              | <b>Theme 3: Alternative Movements and Discourses</b>  |  |                        |
| 9h30 – 10h45 | 3.1 Agriculture in the 21 <sup>st</sup> century       | <i>The new Green Revolution? Sustainable intensification by intercropping</i>  | M.O. Martin-Guay       |
|              |   | <i>Estimating and valuing Canadian wild meat production and harvesting</i>   | D. Warltier            |
|              |   | <i>The Long Shadow of Agricultural Commodity Production: Connecting Farm System, Nutrient Flows, Water Quality, and Regional Economic Contribution</i> | M. Wironen             |
|              |   | <i>Decommodifying food</i>   | S. Bliss               |
|              | 3.2. Pensées et mouvements alternatifs                | <i>Développement durable : des discours antagonistes</i>   | J. Provençal           |
|              |   | <i>L'écoféminisme comme alternative pour penser la justice environnementale globale</i>  | L. Gagnon-Bouchard     |
|              |   | <i>La subjectivation néolibérale à travers les outils de l'économie de l'environnement</i>   | C. Hequet              |
|              |   | <i>Le capitalisme représente-t-il un obstacle à la sortie des énergies fossiles ?</i>  | A. Theurillat-Cloutier |
|              | 3.3 New perspectives in agroecology                   | <i>Capitalocene and Agriculture; disentangling the oil-agriculture-finance nexus</i>   | E. Espagne             |
|              |   | <i>Agro-ecology as Adaptive Management: Is a "Bottom-Up" paradigm for Eco-Friendly Agriculture Feasible?</i>   | B. Dube                |
|              |   | <i>Protein for a Healthy Planet (skype)</i>  | E. Brown               |
|              |   | <i>The Good Earth: Leveraging Political Agroecology in Canada's National Food Strategy</i>   | M. Fremes              |

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|   | 3.4. Different lens to look at ecological economics                                  | <i>From the homo economicus and his fellows to the homo socioecologicus and the homo Anthropocensis</i>  | A. Damiano            |
|   |  | <i>What can Religious and Philosophical Affiliation Tell Us about Views on Climate Change and Other Environmental Issues? An Analysis and Coding of Relevant Religious/Philosophical Periodicals</i> | G. Yahya Haage        |
|   |  | <i>Thinking like a designer through a lens of ecological economics</i>   | S. Dastgheib-Beheshti |
|   |  | <i>Prioritizing Culture, Feminized Externalities, and Life</i>   | K. Kish               |
|   | 3.5. Special Session   | <i>Book launch: Handbook Growth and Sustainability</i>   | P. Victor & B. Dolter |
| 10h45 – 11h   | <b>Break</b>   |  |                       |
| <b>Parallel session</b><br><b>Theme 3: Alternative Movements and Discourses</b> |  |  |                       |
| 11h – 12h15   | 3.6. Drivers for an economic transition  | <i>Redirecting the Anthropocene: New Productive Forces and the Economics of Abundance</i>  | B. Milani             |
|   |  | <i>Territorial Partitions, the Production of Mining Territory and the Building of a (Post)Neoliberal and Plurinational State in Ecuador</i>  | D. Vela-Almeida       |
|   |  | <i>Parameterization of Movement Patterns exploring Ecological and Economic trade-offs towards Effective Management Strategies</i>  | M. Udugama            |
|   | 3.7. Special Session   | Comment éviter une perte de milieux humides au Québec? Une analyse des enjeux économiques, écologiques et légaux.  | J. Dupras             |
|   | 3.8. Ecological economics rhetoric   | <i>"She had a voice full of money": Rhetoric and Language in Ecological Economic</i>   | P. Timmerman          |
|   |  | <i>Tracing the Theory, Placing the Frameworks</i>  | L. Barbieri           |
|   |  | <i>Identifying like-minded audiences for the communication of ecological economics</i>   | M.F. Tomaselli        |
|   |  | <i>Telling stories with models and making policy with stories: an exploration (skype)</i>  | M. Beck               |
|   | <i>Embracing the Metaphysical Realm</i>  | M. Juncos  |                       |
| 3.9. Comptes des écosystèmes et   | <i>Évaluation expérimentale du carbone écosystémique dans le cadre du Système de</i> | J. Auclair   |                       |

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|               | <i>services écosystémiques</i>  | <i>comptabilité environnementale et économique pour le Québec méridional</i>  |                       |
|               |   | <i>La valeur économique des services écosystémiques de la Trame verte de la Commission de la capitale nationale</i>   | C. L'Ecuyer-Sauvageau |
|               |   | <i>L'évaluation économique de la forêt urbaine d'Ahuntsic-Cartierville en fonction de différents scénarios de gestion de l'agrile du frêne</i>  | C. Bertrand           |
|               |   | <i>Valeur économique de l'esthétique du paysage dans les régions de la Gaspésie et de Charlevoix</i>  | M. Fall               |
|               | <i>3.10. Rethinking currencies and development</i>  | <i>Econodynamics: A Proposed Framework for Rebooting the Study of Economics</i>   | G.H. Boyle            |
|               |   | <i>Commons Currency: an econo-art project across the Great Lakes</i>  | P. Baines             |
|               |   | <i>Eco-currency as a tool for promoting restoration of Brazil's Atlantic Forest</i>   | J. Farley             |
|               |   | <i>Grameen new entrepreneur green and social business loan education and service in Bangladesh (2) Inter-generational Community Gardening and Herbs Production Project- a green social enterprise in Toronto initiated by Nobel Institutions for Environmental Peace (NIEP)</i> | K.A. Rouf             |
| 12h15 – 13h30 | <b>Lunch &amp; Keynote</b><br><b>Theme 4: Finance, Markets and Ecological Macroeconomics</b><br>C.L. Carpentier |   |                       |
| 13h30 -15h00  | <b>Parallel session</b><br><b>Theme 4: Finance, Markets and Ecological Macroeconomics</b>                       |   |                       |
|               | 4.1. Special Session  | Reflections on Ecological Economics   | F.Muller              |
|               | 4.2. Session Spéciale   | Écosystèmes et biodiversité: vers une intégration systématique de leur valeur dans les évaluations économiques  | K. Pineault           |
|               | <i>4.3. Getting away from the fossil fuel economy</i>   | How governments can identify low-cost GHG policies to enhance their carbon prices   | J. Dion               |
|               |   | Making America Great Again? Assessing the Greenhouse Gas Emissions of Trump's Budget Proposals using Environmentally Extended Input-Output Analysis   | S. Bliss              |
|               |   | The Macroeconomics of the Energy-Emissions Trap   | M. Sers               |
|               | The fossil intensive DNA of the financial system: feedback loops between socio-                                 | R. Svartzman  |                       |



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|               |  | ecological and financial fragility – Data supporting an emerging theory   |                |
|               | 4.4. Finance, wealth and capitalization  | <i>Modelling the Dynamics of Modern Money</i>   | G.H. Boyle     |
|               |  | <i>Revisiting financialization through the corn commodity chain – A holistic analysis of debt, technology and land</i>      | S. Menegat     |
|               |  | <i>Measuring Comprehensive Wealth in Canada</i>   | R. Smith       |
|               |  | <i>Playing DICE with money; Making financial flows "climate consistent" needs consistent financial modelling</i>            | E. Espagne     |
|               | 4.5. Degrowth and steady-state   | <i>Degrowth, banks and ecological constraints to endogenous money theory</i>  | C. Pastoret    |
|               |  | <i>Monetary Theory and Practice in the Age of Planetary Boundaries: an Institutional Overview for Ecological Economists</i> | R. Svartzman   |
|               |  | <i>Putting money in its right place: Money, the State and the transition to a steady-state Economy</i>                      | C. Guay-Boutet |
|               |  | <i>Frugality for Consumption and Production</i>   | L. Zsolnai     |
|               |  | <i>Over the Horizon: rethinking assumptions for a post-growth world</i>   | T. Crownshaw   |
| 15h – 15h15   | <b>Break</b>   |   |                |
| 15h15 – 16h30 | Panel : Finance and markets in the Anthropocene<br><b>Theme 4 Finance, Markets and Ecological Macroeconomics</b><br><br>E. Pineault<br>J. Farley<br>D. O'Neil<br>C.L. Carpentier |   |                |
| 16h30 – 17h30 | <i>Poster session</i>  |   |                |
| 17h30 – 20h   | <i>Cocktail</i>  |   |                |

**Sunday Oct. 22nd**

| <b>Time</b> | <b>Presentations</b>   |   |                    |
|-------------|--|---|--------------------|
| 8h – 8h30   | <b>Registration</b>  |   |                    |
| 8h30 – 9h30 | <b>Keynotes</b><br><br><b>Theme 5: Pathways to Change: Tools and Strategies</b><br><br>C. Potvin<br>F. Cleaver |   |                    |
| 9h30-10h 45 | <b>Parallel session</b><br><br><b>Theme 5: Pathways to Change: Tools and Strategies</b>                        |   |                    |
|             | 5.1. Transforming Energy Systems   | <i>Deliberating Our Energy Future</i>   | B. Dolter          |
|             |  | <i>Change in the Anthropocene: De-carbonizing and Decolonizing Canada</i>   | J. Gobby           |
|             |  | <i>Decentralized democratic energy transition: Sharpening the vision for a just and ecological whole earth energy system</i>  | M. Burke           |
|             |  | <i>Contentious carbon: taking stock of social movement efforts to constrain Canadian fossil fuel extraction</i>   | B. Tucker          |
|             | 5.2. Special Session   | Reports from Participants in Sustainability Network Environment & Economy Fellowship Program (SNEEF)  | P. Bubelis         |
|             | 5.3. Energy Transitions  | <i>Estimating the energy and carbon cost of the global energy transition</i>  | C. Gingrich Regehr |
|             |  | <i>Responsibility in a climate changed world: Exposing the role of fossil fuel producers</i>  | D.H. Greenford     |
|             |  | <i>The equitable allocation of greenhouse gases</i>   | D.H. Greenford     |
|             |  | <i>Energy Transitions in the Postal Sector: How national postal operators can be key drivers to a practical, achievable and sustainable transition to a low-carbon economy.</i> | J. Doherty         |
|             | 5.4. Governing Transformation  | <i>From natural resources extraction to bioprospection in Northern Quebec</i>   | J. Dupras          |
|             |  | <i>The Science of Global Sustainability. Its Role in Governance for Prosperity</i>  | G. Sabau           |

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|             |  | <i>The New Economy Network Australia (NENA): connecting and amplifying 'alternative' economics initiatives in Australia, to create systemic change</i> | M. Maloney      |
|             |  | <i>A Call For The Creation Of Blue Planet Governance</i>   | D. Chisholm     |
|             | 5.5. Other ways forward  | <i>Public Management and the Limits to Economic Measures of Policy</i>   | J. Gordon       |
|             |  | <i>Proposing quantitative targets and limits to urban sprawl using the measure of weighted urban proliferation (WUP)</i>                               | J. Jaeger       |
|             |  | <i>Eco-Political Discourse in Canada: Learning from History</i>  | J. Harvey       |
|             |  | <i>Information Entropy: A New Perspective on Invasive Species Management</i>   | M. Tait         |
|             | <b>5.6. Special Session</b>  | <i>Uprooting Our Path by Way of Discourse</i>  | K. Kish         |
| 10h45 – 11h | <b>Break</b>   |  |                 |
| 11h – 12h15 | <b>Parallel session</b><br><b>Theme 5:: Pathways to Change: Tools and Strategies</b> |  |                 |
|             | 5.7. Special Session   | <i>Tarot-card Troubleshooting: Exploring Political Rigour in Transformations Research</i>  | L. Temper       |
|             | 5.8. Special Session   | <i>Quel est l'avenir de la foresterie communautaire au Canada ? Réflexions sur les modèles de gestion des ressources collectives</i>                   | J-F Bissonnette |
|             | 5.9. Communicating the changes   | <i>What makes local elected officials tick and how can we train them for social-ecological change?</i>   | M.A. Guertin    |
|             |  | <i>A role of social innovation in linking sustainability goals with rural development objectives in the Scottish uplands</i>                           | M. Nijnik       |
|             |  | <i>Talk the talk to walk the walk and move the movement</i>  | B.J. Davy       |
|             |  | <i>Wicked Opportunities: A Multi-Layered Methodology for Socio-Ecological Systems Transformation</i>   | P. Ruttonsha    |
|             |  | <i>Between materialism and idealism: the dynamics of belief systems and their role in deep structural change</i>                                       | C. Orr          |
|             | 5.10. Vers des systèmes durables   | <i>Les entreprises de la transition écologique au Québec : caractéristiques et trajectoires</i>  | L'Allier, M.S.  |
|             |  | <i>Corridors écologiques urbains: la gouvernance de la transition à Montréal</i>   | A. Beaudoin     |

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|               |  | <i>Vers une économie biosourcée au Québec : d'une vision à une stratégie de développement.</i>   | N. Fagoaga   |
|               |  | <i>Démarche volontaire de conservation sans mécanisme (direct) de compensation économique : le cas des baleines du Saint-Laurent et de l'industrie du transport maritime</i> | C. Chion     |
|               |  | <i>Mobiliser massivement la société en faveur de la transition écologique : un enjeu majeur à l'heure de l'Anthropocène</i>  | C.H. Born    |
|               | 5.11. <i>Social innovation in Ecological Economics</i>   | <i>Work Sharing from Different Angles</i>  | A. Ashta     |
|               |  | <i>Corporations in Resource Management: Working with Community Groups to Challenge Corporate Power</i>   | E. Hartley   |
|               |  | <i>Social Multi-Criteria Analysis for EcoHealth Assessment</i>   | D. Mallery   |
|               |  | <i>Transition towards an economy where human well-being is the ultimate goal: arguments and implications for UN's 2030 Agenda and the SDGs (skype)</i>                       | M. Chapariha |
|               | 5.12. Special session  | <i>Perspectives on Natural Capital and Ecosystem Services Values: Contested concepts or pragmatic solutions?</i>   | P. Brown     |
| 12h15 – 13h30 | <b>Lunch</b>   |  |              |
| 12h15– 13h30  | <i>CANSEE Annual General Meeting</i>   |  |              |
| 13h30 – 14h15 | <b>Keynote</b><br><br><b>Theme 5</b><br><b>(Pathways to Change: Tools and Strategies)</b><br>T. Elmqvist |  |              |
| 14h15 – 14h30 | <b>Students awards ceremony</b>  |  |              |
| 14h30 – 15h   | <b>Concluding remarks</b><br>J. Dupras<br>P. Brown   |  |              |