

| Tuesday 17th January 2012 |   |   |  |   |   |   |   |   |
|---------------------------|---|---|--|---|---|---|---|---|
| 2.00pm                    | Registration Desk Opens   |   |  |   |   |   |   | LONG ROOM   |
| 3.00pm – 4.30pm           | Pre Conference Forum - Teacher Education  |   |  |   |   |   |   | A1.06   |
| <b>3.00pm – 5.00pm</b>    | <b>Afternoon Tea, Networking and Poster Presentation Preview</b>  |   |  |   |   |   |   | ATRIUM  |
| 3.00pm – 5.00pm           | <b>Youth Session</b> - introduction of the youth panel / presentation; Putting Ideas into Action  |   |  |   |   |   |   | LONG ROOM   |
| 5.00pm                    | Gather for Pōwhiri  |   |  |   |   |   |   | EVENTS 1  |
| 5.30pm – 7.00pm           | Pōwhiri and Welcome Function  |   |  |   |   |   |   | ATRIUM  |
|                           | Youth gather to go out for a meal   |   |  |   |   |   |   |   |
| Wednesday 18 January 2012 |   |   |  |   |   |   |   |   |
| 8.00am                    | Registration Desk Opens   |   |  |   |   |   |   | LONG ROOM   |
| <b>9.00am – 10.30am</b>   | <b>PLENARY 1</b> Chair: Kate Akers  |   |  |   |   |   |   | ATRIUM  |
| 9.00am – 9.10am           | Conference Welcome <i>Chris Eames</i><br>Announcements and Housekeeping <i>Aaron Fleming</i>  |   |  |   |   |   |   |   |
| 9.10am – 9.15am           | Speech of Welcome <i>Mayor Julie Hardaker</i>   |   |  |   |   |   |   |   |
| 9.15am – 10.30am          | How Life-Changing Nature Experiences Foster Stewardship <sup>1</sup> <b>Joseph Cornell</b>  |   |  |   |   |   |   |   |
| <b>10.30am – 11.00am</b>  | <b>Refreshment Break</b>  |   |  |   |   |   |   | 'A' BLK GRASS   |
| <b>11am – 12.30pm</b>     | <b>CONCURRENT SESSION 1</b>   |   |  |   |   |   |   |   |
|                           | SCHOOLS - Curriculum Initiatives<br><br><i>PAPERS</i><br>Chair: Miles Barker<br><br><b>1A Room: A1.04</b>   | SCHOOLS<br><br><i>SHORT WORKSHOPS</i><br>Chair: Andrea Soanes<br><br><b>1B Room: A1.01</b>  | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Chris Eames<br><br><b>1C Room: A1.02</b> | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Marianne Robertson<br><br><b>1D Room: A2.04</b>                                   | EARLY CHILDHOOD<br><br><i>PAPERS</i><br>Chair: Janette Kelly<br><br><b>1E Room: A1.06</b>   | CENTRAL AND LOCAL GOVERNMENT<br><br><i>SOCIETIES AND COMMUNITIES</i><br><br><i>PAPERS</i><br>Chair: Gemma Green<br><br><b>1F Room: A1.07</b>  | TERTIARY<br><br><i>PAPERS</i><br>Chair: Katherine Hay<br><br><b>1G Room: A2.05</b>  | SOCIETIES & COMMUNITIES<br><br><i>LONG WORKSHOP</i><br>Chair: Sue Wake<br><br><b>1H Room: A1.08</b> |
|                           | 11.00am-11.25am<br>Developing a Framework for Education for Sustainability <sup>2</sup><br><b>Conrad Remenyi</b><br><br>11.30am-11.55am<br>Outdoor Experiential Learning in Turkey: An Evaluation of an Intervention with In-service Teachers <sup>3</sup><br><b>Emel Oku</b> | 11.00am-11.40am<br>What Can a Zoo Do? <sup>5</sup><br><b>Monique J Zwaan</b><br><br>11.45-12.25pm<br>Creating Effective Partnerships Between Schools and Environmental Education Providers <sup>6</sup><br><b>Julie G Clifton, Pat A Hoffmann</b> | Enviroschools' Stories From Otepoti <sup>7</sup><br><b>Jenny Neilson, Jennie Upton</b> | Using the Science Learning Hub to Plan Environmental Education Activities <sup>8</sup><br><b>Cath M Battersby, Barbara Ryan</b> | 11.00am-11.25am<br>Anthropocentric to Ecocentric. From Object Lesson to Education for Sustainability <sup>9</sup><br><b>Glynn M Mackey</b><br><br>11.30am-11.55am<br>'Titiro whakamuri, hoki whakamua': a Research Project in Early Childhood Education in Aotearoa <sup>10</sup> | 11.00am-11.25am<br>Do These Programmes Stand the Test of Time? Medium-term Evaluation of Environmental Education Programmes <sup>12</sup><br><b>Amelia McQueen, B Curtis, G Gomez Fell</b><br><br>11.30am-11.55am<br>The New Swedish Curriculum <sup>13</sup> | 11.00am-11.25am<br>Complexities of Teaching Education for Sustainability <sup>15</sup><br><b>Sally Birdsall</b><br><br>11.30am-11.55am<br>Constructing a Sustainability Identity Through Tertiary Outdoor Education in Aotearoa New Zealand <sup>16</sup><br><b>David Irwin</b> | Eco-building: More than just about Being Green <sup>18</sup><br><b>Heidi Mardon, I Mayes</b>        |

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|                         | 12noon-12.25pm<br>A View From the Other Side - Signs of New Growth in the UK <sup>4</sup><br><b>David L Fellows</b>  |  |   |  | <b>Jenny Ritchie, C Rau, I Duhn, J Crow</b><br><br>12noon-12.25pm<br>Creating a Culture of Sustainability at Explorers Early Learning Centre <sup>11</sup><br><b>Lisabeth Da Rosa Ferrarelli, J C Menneer</b>   | <b>Claes Andersson</b><br><br>12noon-12.25pm<br>Wellington Zoo Bush Builders – Connecting Urban Children to their Environment <sup>14</sup><br><b>Ben Pocock, D Henley</b> | 12noon-12.25pm<br>Developing Pre-service Teacher Education in Environmental Education for Sustainability in Papua New Guinea <sup>17</sup><br><b>Asaku Openg, C Eames, K Otrell-Cass</b>  |   |               |
| <b>12.30pm – 1.30pm</b> | <b>Lunch Break</b>   |  |   |  |   |  |   |   | <b>ATRIUM</b> |
| <b>1.30pm – 9.30pm</b>  | <b>Youth Session - Taking Action, meal and movie</b>   |  |   |  |   |  |   |   | <b>RAGLAN</b> |
| 1.30pm – 2.00pm         | <b>Plenary 2</b> Chair: Chris Eames<br>Taking Stock 1 - Session on Current Issues: <i>NZAAE National Executive</i>   |  |   |  |   |  |   |   | <b>ATRIUM</b> |
| 2.00pm – 2.30pm         | Taking Stock 2 - Session on Current Issues: Sustainability New Zealand (SANZ) <sup>19</sup> <b>Wayne Cartwright</b>  |  |   |  |   |  |   |   |               |
| <b>2.30pm – 3.00pm</b>  | <b>Refreshment Break</b>   |  |   |  |   |  |   |   | <b>ATRIUM</b> |
| 3.00pm – 3.25pm         | Poster Presentations   |  |   |  |   |  |   |   |               |
| <b>3.30pm – 4.30pm</b>  | <b>CONCURRENT SESSION 2</b>  |  |   |  |   |  |   |   |               |
|                         | <b>SCHOOLS</b><br>-Secondary<br><br><b>PAPERS</b><br>Chair: Miles Barker<br><br><b>2A Room: A1.04</b>  | <b>SCHOOLS</b><br><br><b>SHORT WORKSHOP</b><br>Chair: Chris Eames<br><br><b>2B Room: A1.01</b>   | <b>SCHOOLS</b><br><br><b>SHORT WORKSHOP</b><br>Chair: Marianne Robertson<br><br><b>2C Room: A1.02</b>   | <b>EARLY CHILDHOOD</b><br><br><b>SHORT WORKSHOP</b><br><br><b>2D Room: A1.03</b>       | <b>EARLY CHILDHOOD</b><br><b>CENTRAL AND LOCAL GOVT</b><br><b>PAPERS</b><br>Chair: Janette Kelly<br><br><b>2E Room: A1.06</b>   | <b>CENTRAL AND LOCAL GOVT</b><br><br><b>SHORT WORKSHOP</b><br>Chair: Aaron Fleming<br><br><b>2F Room: 1.07</b>   | <b>TERTIARY</b><br><b>SOCIETIES AND COMMUNITIES</b><br><b>PAPERS</b><br>Chair: Lynley Tulloch<br><br><b>2G Room: A2.05</b>  | <b>SOCIETIES AND COMMUNITIES</b><br><br><b>SHORT WORKSHOP</b><br>Chair: Kate Akers<br><br><b>2H Room: A1.08</b>                         |               |
|                         | 3.30pm-3.55pm<br>Engaging Māori Students in Science and Education for Sustainability Through Place-based Wānanga <sup>20</sup><br><b>Davina Hunt</b><br><br>4.00pm-4.25pm<br>Towards Ecological Literacy: A Permaculture Approach for Junior Secondary Science <sup>21</sup><br><b>Nelson Lebo, C Eames, K Otrell-Cass</b> | Online Tool Connects the Natural World with Inquiry Learning and Action <sup>22</sup><br><b>Pam D Crisp, Nikki R Wright, K M Boyle</b> | Better Understanding Action Competence and the New Zealand Curriculum in EnviroSchools <sup>23</sup><br><b>Faye Wilson-Hill, Marianne Robertson, H Iles</b> | Turning Trash into Treasure for Young Children <sup>24</sup><br><b>Adam Buckingham</b> | 3.30pm-3.55pm<br>Lighting the Way: Advances in Sustainable Practices in Early Childhood Education Centres <sup>25</sup><br><b>Cynthia Prince</b><br><br>4.00pm-4.25pm<br>Public Private Partnerships Deliver Most Sustainable Results <sup>26</sup><br><b>Lyn Mayes, J Page</b> | Wai Care – Come Test the Water! Education, Action and Engagement within a Freshwater Context <sup>27</sup><br><b>Rachel L Griffiths</b>                                    | 3.30pm-3.55pm<br>Exploring the Impact of Higher Education Experiences on the Sustainability Attributes of Students <sup>28</sup><br><b>Kerry Shephard</b><br><br>4.00pm-4.25pm<br>The Partnership Principle: a Key to Effective Environmental Training Programmes <sup>29</sup><br><b>Claire M Feeney</b> | Environmental Attitudes and Environmental Behaviour – Who is the Horse and Who is the Cart? <sup>30</sup><br><b>Efrat Eilam, T Trop</b> |               |

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| 4.35pm – 5.30pm                   | New Zealand Association for Environmental Education Annual General Meeting   |   |   |   |   |  |  | ATRIUM  |
| 5.30pm – 6.30pm                   | Social Function  |   |   |   |   |  |  | ATRIUM  |
| <b>Thursday 19th January 2012</b> |  |   |   |   |   |  |  |   |
| 8.00am                            | Registration Desk Opens  |   |   |   |   |  |  | LONG ROOM   |
| 9.00am – 9.15am                   | Announcements and Housekeeping   |   |   |   |   |  |  | ATRIUM  |
| 9.30am – 10.30am                  | <b>PLENARY 3</b> Chair: Aaron Fleming<br>Innovation-for-the-rest-of-us31 <i>Les Robinson</i>   |   |   |   |   |  |  |   |
| 10.30am – 11.00am                 | <b>Refreshment Break</b>   |   |   |   |   |  |  | 'A' BLK GRASS   |
| 11.00am – 12.30pm                 | <b>CONCURRENT SESSION 3</b>  |   |   |   |   |  |  |   |
|                                   | SCHOOLS -<br>Direct Experience<br><br><i>PAPERS</i><br>Chair: Kate Akers<br><br><b>3A</b> Room: A1.04  | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Robyn Irving<br><br><b>3B</b> Room: A1.01 | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Andrea Soanes<br><br><b>3C</b> Room: A1.02  | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Marianne Robertson<br><br><b>3D</b> Room: A1.03                           | TERTIARY<br><br>EARLY CHILDHOOD<br><br><i>PAPERS</i><br><br><b>3E</b> Room: A1.06   | SOCIETIES &<br>COMMUNITIES<br><br><i>PAPERS</i><br>Chair: Katherine Hay<br><br><b>3F</b> Room: A1.07   | SCHOOLS -<br>Wider Views<br><br><i>PAPERS</i><br>Chair: Chris Eames<br><br><b>3G</b> Room: A2.05   | SOCIETIES &<br>COMMUNITIES<br><br><i>LONG WORKSHOP</i><br>Chair: Sue Wake<br><br><b>3H</b> Room: A1.08                |
|                                   | 11.00am-11.25am<br>Journeys Into Sustainability From a Sustainably Designed Campsite for Young People <sup>32</sup><br><i>Dean G Turner</i><br><br>11.30am-11.55am<br>The Tread Lightly Caravan - Lessons Learnt From Auckland's First Mobile Environmental Classroom <sup>33</sup><br><i>Gael Ogilvie, S Thornhill, A Kendall</i><br><br>12noon -12.25pm<br>Sharing Nature at Punahou School, Honolulu, Hawaii <sup>34</sup><br><i>David Blanchette</i> | Education for Sustainability in a Museum Setting <sup>35</sup><br><i>Barbara Arnold</i> | Growing a Generation of Sustainability Story-tellers Through the 'Outlook for Someday' Film Challenge for Young People <sup>36</sup><br><i>David Jacobs, I Amir</i> | Teaching Caring Thinking to Young Leaders: Empowering Students to Make a Difference <sup>37</sup><br><i>Sonia White</i> | 11.00am-11.25am<br>The Making and Remaking of Sustainability <sup>38</sup><br><i>Lynley Tulloch</i><br><br>11.30am-11.55am<br>Digging Deeper into the Philosophies of ECE Sustainability <sup>39</sup><br><i>Janette Kelly, E J White</i><br><br>12noon - 12.25pm<br>UC Waste Watchers – Implementing a Waste Reduction Education Programme at the University of Canterbury <sup>40</sup><br><i>Sharon L McIver</i> | 11.00am-11.25am A Whole Community Approach to EfS <sup>41</sup><br><i>Nelson Lebo, D Lebo</i><br><br>11.30am-11.55am<br><i>Title and presenter to be confirmed</i> <sup>42</sup><br><br>12noon-12.25pm<br>Promoting Sustainability through Strengthening Community Capacity in Papua New Guinea <sup>43</sup><br><i>Sangion Appiee Tiu</i> | 11.00am-11.25am<br>'What Made You Green?': Some Older Kiwis' Reflections <sup>44</sup><br><i>Miles Barker</i><br><br>11.30am-11.55am<br>Learning From the Eco-classroom Project: an Evaluation of Co-design as a Valid Process within Efs <sup>45</sup><br><i>Sue J Wake</i><br><br>12noon -12.25pm<br>Becoming Green? The Long-term Impact of Environmental Education Experiences on Our Young People <sup>46</sup><br><i>Chris Eames, Miles Barker, C Scarff</i> | Education for Climate Change Adaptation: What Might this Mean? <sup>47</sup><br><i>B Stevenson, Hilary Whitehouse</i> |

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| 12.30 – 1.15pm                  | Lunch Break   |  |   |  |  |   |  |  | ATRIUM        |
| 1.15pm – 6.00pm                 | Youth Session – panel / presentation planning   |  |   |  |  |   |  |  |               |
| 1.15pm – 5.00pm                 | Field trips: <i>Please meet at your gathering point in the Atrium. You will be escorted to your bus.</i>  |  |   |  |  |   |  |  |               |
|                                 | Eco Building – A Tour of Hamilton’s SMART Buildings - <i>Ian Mayes, Megan Edmeades</i>  |  |   |  |  |   |  |  |               |
|                                 | Ecosystem Restoration – Maungatautari Ecological Island Trust - <i>Gemma Green, Sue Reid, Clare Ravenscroft</i>   |  |   |  |  |   |  |  |               |
|                                 | Interpreting Nature – Sharing Nature Workshop at Hamilton Gardens - <i>Joseph Cornell</i>   |  |   |  |  |   |  |  |               |
|                                 | Urban Ecological Restoration – Waiwhakareke Natural Heritage Park and Hamilton Gullies - <i>Bruce Clarkson, Tim Newton</i>  |  |   |  |  |   |  |  |               |
|                                 | School-Based Environmental Education – Hukanui and Rhode Street Enviroschools - <i>Michelle White, Shane Ngatai</i>   |  |   |  |  |   |  |  |               |
|                                 | Lake Restoration – Swamp Fever at Serpentine Lake - <i>Karen Denyer, Jan Simmons</i>  |  |   |  |  |   |  |  |               |
|                                 | Sustainable Gardens – Permaculture at Hamilton Gardens - <i>Cheryl Noble</i>  |  |   |  |  |   |  |  |               |
|                                 | Culture & Landscape – Dinosaur Forest and Miropiko Pa - <i>Katherine Hay, Miles Barker</i>  |  |   |  |  |   |  |  |               |
| 6.30pm                          | Depart for Conference Dinner at Vilagrad Vineyard<br>Buses leave Hamilton Girls High School bus bay 6.30pm and 6.45pm<br>Buses depart Vilagrad at 10.30pm and 11.30pm |  |   |  |  |   |  |  |               |
| <b>Friday 20th January 2012</b> |   |  |   |  |  |   |  |  |               |
| 8.00am                          | Registration Desk Opens   |  |   |  |  |   |  |  |               |
| 9.00am – 9.15am                 | Announcements and Housekeeping  |  |   |  |  |   |  |  | ATRIUM        |
| 9.15am – 10.45am                | PLENARY 4 Chair: Miles Barker<br>Keynote addresses: Steer Not Drift <sup>48</sup> <b>Rod Oram</b><br><b>Nick Smith, Minister for the Environment</b>                  |  |   |  |  |   |  |  |               |
| 10.45am– 11.15am                | Refreshment Break   |  |   |  |  |   |  |  | ‘A’ BLK GRASS |
| 11.15am – 12.45pm               | Youth Session – final preparation for presentation  |  |   |  |  |   |  |  |               |
| 11.15am – 12.45pm               | <b>CONCURRENT SESSION 4</b>   |  |   |  |  |   |  |  |               |
|                                 | SCHOOLS -<br>Pushing the<br>Boundaries<br><br><i>PAPERS</i><br>Chair: Miles<br>Barker<br><b>4A Room: A1.04</b>  | SCHOOLS<br><br><i>SHORT WORKSHOP</i><br>Chair: Gemma<br>Green<br><b>4B Room: A1.01</b>   | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Marianne<br>Robertson<br><b>4C Room: A1.02</b>                                      | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair:<br><b>4D Room: A1.03</b>   | EARLY CHILDHOOD<br><br><i>LONG WORKSHOP</i><br>Chair: Glynne<br>Mackey<br><b>4E Room: A1.06</b>  | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Sally Birdsall<br><b>4F Room: A1.07</b> | TERTIARY<br><br><i>PAPERS</i><br>Chair: Katherine Hay<br><b>4G Room: A2.05</b>   | SCHOOLS<br><br><i>LONG WORKSHOP</i><br>Chair: Chris Eames<br><b>4H Room: A1.08</b>   |               |
|                                 | 11.15am-11.40am<br>Improving the<br>Environment of a<br>Thai Watershed<br>Through<br>Education<br>Initiatives <sup>49</sup><br><b>Kulyarat Tasamee</b>                | 11.15am-11.55am<br>EfS in Te<br>Maraotanga o<br>Aotearoa <sup>52</sup><br><b>Richard Edwards</b><br><br>12noon-12.40pm<br>Creating a<br>Sanctuary Based<br>Environmental | Strengthening<br>Education Policy for<br>a Sustainable<br>Future <sup>54</sup><br><b>Wendy Barry, Heidi<br/>Mardon, Pam Crisp</b> | The Solar Collective<br>- Real Time Energy<br>Data and its Use in<br>the Curricula <sup>55</sup><br><b>Dalia Mikhail, M<br/>Twaddle,</b> | The Ngahere<br>Project: Kids go<br>Bush <sup>56</sup><br><b>Kathryn Hart,<br/>Marion Dekker,<br/>Jayne White,<br/>Gaynor Appleford,<br/>Annette Sheehy</b> | Starting with the<br>Student in Efs <sup>57</sup><br><b>Margaret Arthur</b>           | 11.15am-11.40am<br>Building Bridges:<br>UC’s Eco Bridging<br>Programme <sup>58</sup><br><b>Matt P Morris, H D<br/>Tulett</b><br><br>11.45am-12.10pm<br>Vegan Education -<br>an Environmental | Mindshift -<br>Opportunities for<br>Peer Education and<br>Youth Leadership in<br>Sustainability<br>Education <sup>61</sup><br><b>Alan Warner, C<br/>Trueman, B Jones</b> |               |

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|                         | <p>Marine Environmental Education in Auckland: Keeping our Eyes on the Environmental Prize<sup>50</sup><br/><b>Victoria Travers, S Sheeran</b></p> <p>12.15pm-12.40pm<br/>The Role of Student Excellence Programs in Generating School-community Sustainability<sup>51</sup><br/><b>Helen Underwood, Hilary Whitehouse</b></p> | <p>Education Programme from Scratch: Successes and the Things Learnt Along the Way<sup>53</sup><br/><b>Melissa J Jacobson</b></p> |  |  |  |  | <p>Issue<sup>59</sup><br/><b>Michael C Morris</b></p> <p>12.15pm-12.40pm<br/>Directing the Centre for Sustainable Regional Futures<sup>60</sup><br/><b>Coral Pepper</b></p> |               |
| <b>12.45pm – 2.00pm</b> | <b>Lunch Break and Youth Interactive Presentation</b>  |   |  |  |  |  |   | <b>ATRIUM</b> |
| 2.00pm – 2.30pm         | Conference Recommendations and Conference Wrap-Up  |   |  |  |  |  |   | ATRIUM        |
| 2.30pm – 3.00pm         | Poroporoaki  |   |  |  |  |  |   |               |

*Programme is correct at time of publishing, but the committee reserve the right to amend*