

11 JUNE – TUESDAY	
08.30 – 09.00	Saluti istituzionali/Opening remarks <ul style="list-style-type: none"> - <u>S. Oss</u> (Head of the Physical Science Communication Lab, University of Trento) - <u>G. Lattanzi</u> (Head of the Physics Department, University of Trento) - <u>A. Bellin</u> (Member of the Academic Senate, University of Trento) - <u>M. Ragazzi</u> (Rector's delegate for Environmental Sustainability, University of Trento)
09.00 – 10.30	Challenges and Future Trends of Sustainable Environmental Education I <p>Chair: <u>E. Tufino</u></p> <ul style="list-style-type: none"> - <u>M. Cantiani</u> (Department of Civil, Environmental and Mechanical Engineering, University of Trento) <i>Being effective when talking about Climate Change: an experiment of sustainable education from the University of Trento (Italy)</i> - <u>R. Raffaelli</u> (Department of Economics and Management, University of Trento) <i>Addressing sustainability in an interdepartmental doctoral program: challenges in teaching and research</i> - <u>J. Grothaus</u> (Department of Physics, University of Würzburg, online) <i>How to foster climate action – Educational paths from knowledge to three types of participation</i>
10.30 – 10.45	Coffee break
10.45 – 12.45	Symposium: Sustainability Competencies: the Role of Science Education Research <p>Chair: <u>L. Miani</u> <u>E. D'Orto</u></p> <ul style="list-style-type: none"> - <u>G. Bianchi</u> (Joint Research Centre, European Commission) <i>GreenComp: A EU framework for sustainability competencies</i> - <u>A. Laherto</u> (Department of Education, University of Helsinki) <i>Future-Oriented Science Education Building Sustainability Competences: An Approach to the European GreenComp Framework</i> - <u>O. Levrini et al.</u> (Department of Physics and Astronomy, University of Bologna) <i>CLIMADEMY: Pedagogical Model for Teacher Education on Climate Change</i> - <u>L. Miani</u> (Department of Physics and Astronomy, University of Bologna) <i>Using GreenComp to frame multi-target educational activities: a case study in packaging recycling</i> - <u>E. D'Orto</u> (Department of Physics and Astronomy, University of Bologna) <i>The role of narratives to explore scenarios and sustainable paths in climate change education</i>
12.45 – 13.15	Saying and practicing sustainable healthy diets. The three strands of ecosocial transition <p>Chair: <u>D. Quell</u></p> <ul style="list-style-type: none"> - <u>F. Forno</u> (Department of Sociology and Social Research, University of Trento) <i>Saying and practicing sustainability. The three strands of ecosocial transition</i> - <u>S. Carneri/G. Gabrielli</u> (Event office, University of Trento)
13.15 – 14.15	Pranzo - Lunch
14.15 – 15.00	Tackling climate mis/disinformation: 'An urgent frontier for action' in sustainable education <ul style="list-style-type: none"> - <u>A. Acerbi</u> (Department of Sociology and Social Research, University of Trento) <i>Misinformed on misinformation</i>

<p>15.00 – 16.45</p> <p>Chair: <u>C. Fiorello</u></p>	<p>The importance of scientific literacy in fostering education for sustainability</p> <ul style="list-style-type: none"> - <u>P. Sapia/G. Bozzo</u> (Department of Mathematics and Computer Science, University of Calabria) <i>Sustainable STEM Education for sustainability: a framework for XXI Century citizenship</i> - <u>A. Nespolino, S. Galano and I. Testa</u> (Department of Physics, University of Naples “Federico II”) <i>The relationships between students' perceptions of future consequences and university choice</i> - <u>C. Vasconcelos</u> (Department of Geosciences, Environment and Spatial Landng & Unit of Science Teaching, CIIMAR, University of Porto) <i>Scientific literacy to address sustainability: A study with children from a foster care institution</i> - <u>M. Paz</u> (Unit of Science Teaching & CIIMAR, University of Porto) <i>Scientific Literacy to address sustainability: A study on deep-sea mining education with adolescents from a social care institution</i>
<p>16.45 – 17.00</p>	<p>Coffee Break</p>
<p>17.00 – 19.30</p> <p>Chair: <u>F. Stablum</u></p>	<p>Climate psychology and Education: motivating people to get engaged in sustainability</p> <ul style="list-style-type: none"> - <u>A. Aron</u> (Department of Psychology, University of San Diego, online) <i>The Climate Crisis: science, impacts, policy, psychology, justice, social movements</i> - <u>L. Endrighi</u> (Psychologist) <i>Eco-Anxiety and Climate-Related Emotions: Strategies for Intervention and Communication</i> - <u>A. Castiglione</u> (Department of Psychology and Cognitive Science, University of Trento) <i>Climate and psychology: from education to action</i>

12 JUNE – WEDNESDAY	
<p>09.00 – 12.00</p> <p>09.00 – 10.45</p> <p>Chair: <u>S. Galano</u></p>	<p>Gender equality and diversity in Education: a goal of social sustainability I</p> <p>Session 1: Gender equality in STEAM: from school to university</p> <ul style="list-style-type: none"> - <u>M. Malgieri</u> (Department of Physics, University of Pavia) <i>Motivations, self-efficacy and aspirations of high school and university physics students in Italy: are they gendered?</i> - <u>E. Dryden</u> et al. (Department of Physics and Astronomy, University of Padova) <i>Fostering Inclusion in Physics Education: A Proposal for Secondary School Students</i> - <u>S. Galano and I. Testa</u> (Department of Physics, University of Naples “Federico II”) <i>The relationship between identity and gender stereotypes among undergraduate STEM students</i> - <u>G. Vingelli</u> (Department of Social and Political Science and Centre of Women's Studies, University of Calabria) <i>Mentoring by doing: involving young women in STEM</i> - <u>V. Montalbano</u> (Department of Physics, Earth Science and Environment, University of Siena) <i>Gender gap in STEM: a cross-curricular challenge for science teaching in schools</i> - <u>C. Silvestri</u> (Department of Psychology and Cognitive Science, University of Trento) <i>Gender micro-aggressions in academia: an exploratory study</i>
<p>10.45 – 11.00</p>	<p>Coffee Break</p>

<p>11.00 – 12.00</p> <p>Chair: <u>E. Dryden</u></p>	<p>Session 2: The roots of Gender equality in STEAM: a focus on primary school</p> <ul style="list-style-type: none"> - <u>P. Aghi, O. Pantano, M. Carli, E. Dryden</u> (Department of Physics and Astronomy, University of Padova) <i>The use of role models to counter gender stereotypes in science education</i> - <u>G. Giarratano, O. Battaglia, G. Termini, C. Fazio</u> (Department of Psychological, Pedagogical, Physical Exercise and Training Sciences, University of Palermo; Department of Physics and Chemistry, University of Palermo) <i>A didactic pathway on the concept of energy in primary school: cognitive well-being and self-efficacy based on gender</i> - <u>P. Sapia, O. Battaglia, R. Fazio, G. Bozzo</u> (Department of Mathematics and Computer Science, University of Calabria, University of Calabria and Department of Physics and Chemistry, University of Palermo) <i>National survey on the perception of science in primary school: an overview and preliminary results</i>
<p>12.00 – 13.00</p> <p>Chair: <u>G. Artiano</u></p>	<p>Sustainable education: tackling educational poverty</p> <p>Round table with:</p> <ul style="list-style-type: none"> - <u>G. Artiano</u> (Department of Mathematics and Physics, University of Campania “I. Vanvitelli” & University “Suor Orsola Benincasa”, Naples) - <u>E. Balzano</u> (Department of Physics, University of Naples “Federico II”) - <u>C. Punzo</u> (Principal of the IC “Porchiano – Bordiga”, Naples) - <u>A. Merinio</u> (IC “Adelaide Ristori”, Naples) - <u>A. Mosconi and C. Mistura</u> (Aps “Salvatica”, Pieve del Grappa)
<p>13.00 – 14.00</p>	<p>Pranzo - Lunch</p>
<p>14.00 – 15.30</p> <p>Chair: <u>G. Tasquier</u> <u>F. Pongiglione</u></p>	<p>Educational perspectives on decision making for a sustainable future</p> <ul style="list-style-type: none"> - <u>L. Konderak</u> (Department of Philosophy and Education, University of Turin and Vita-Salute San Raffaele University, Milano) <i>Climate Justice Activism: Motivation and emotions</i> - <u>E. Ricci et al</u> (Department of Management, University of Verona) <i>How to promote more sustainable choices? Theory and practices from the food and energy domains</i> - <u>F. Pongiglione et al.</u> (Vita-Salute San Raffaele University, Milano) <i>Virtues, values, moral norms: on the failure to perceive individual duties towards climate change</i> - <u>G. Pennacchioni</u> (Vita-Salute San Raffaele University, Milano) <i>Sustainability's Stumbling Blocks: Navigating Errors in Sustainable Education</i>
<p>15.30 – 16.30</p> <p>Chair: <u>M. Carli</u></p>	<p>Gender equality and diversity in Education: a goal of social sustainability</p> <p>Session 3: Enhancing science through diverse and inclusive learning environments</p> <ul style="list-style-type: none"> - <u>F. Vidotto</u> (University of Western Ontario, online) <i>Creativity, complexity and diversity</i> - Round table with: <u>F. Vidotto</u> (University of Western Ontario, online), <u>S. Moretto</u> (Department of Physics and Astronomy, University of Padova) and <u>B. Poggio</u> (Department of Sociology and Social Research, University of Trento)
<p>16.30 – 16.45</p>	<p>Coffee break</p>

<p>16.45 – 17.45</p> <p>Chair: <u>A. Salmoiraghi</u></p>	<p>Challenges and Future Trends of Sustainable Environmental Education</p> <ul style="list-style-type: none"> - <u>M. Stemen</u> (Department of Economics, University of California, Chico, online) <i>Teaching Climate Change in Higher Education: Some Lessons Learned</i> - <u>R. De Luca, V. Lamberti</u> (Department of Physics, University of Salerno, online) <i>Sunlight trapping: useful ideas for the future</i> - <u>C. Fiorello</u> (Department of Physics, University of Trento) <i>Sustainability in secondary teacher training: Promoting active learning and engagement through multidisciplinary</i>
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