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|  <p><b>WORLD CONGRESS ON<br/>EARTH SCIENCE AND CLIMATE CHANGE</b></p> <p>March 24-25, 2025   Barcelona, Spain </p> <p><a href="https://earthscience-climatechange.scholarsconferences.com/">https://earthscience-climatechange.scholarsconferences.com/</a>  <a href="mailto:earthscience@frontiersevents.com">earthscience@frontiersevents.com</a> </p> <p style="text-align: right;">+447426060443 </p> |  |
| <b>Scientific Program</b>  |  |
| <b>Day 01   March 24, 2025   Barcelona, Spain</b>  |  |
| <b>08:30-09:30</b>   | Registrations  |
| <b>09:30-09:45</b>   | Opening Ceremony   |
| <b>Keynote Forum</b>   |  |
| <b>09:45-10:20</b>   | <p><b>Title:</b> Landscapes of sandy areas along a rainfall gradient of 90-450 mm average rainfall</p> <p><b>Aaron YAIR</b>, Hebrew University, Israel</p>   |
| <b>10:20-10:55</b>   | <p><b>Title:</b> Global warming's "Six Americas" in agriculture: Exploring farmers' attitudes towards climate change and adaptive and mitigative responses</p> <p><b>J Arbuckle</b>, Iowa State University Department of Sociology, United States</p>        |
| <b>Refreshments Break @ 10:55-11:15</b>  |  |
| <b>11:15-11:50</b>   | <p><b>Title:</b> Objectives and methods of battery recycling: A comprehensive overview</p> <p><b>Roger Achkar</b>, Global Waste Cleaning Network (GWCN), UK</p>  |
| <b>Speaker Sessions</b>  |  |
| <b>Session Chair:</b>  |  |
| <b>11:50-12:15</b>   | <p><b>Title:</b> Vulnerability, robustness and sustainability of the operation of the wastewater treatment plant and its importance for the circular economy in the light of climate</p> <p><b>Vesna Mislej</b>, Jp Vodovod Kanalizacija Snaga, Slovenia</p> |
| <b>12:15-12:40</b>   | <p><b>Title:</b> Analysis of forest loss in the amazon region from 1990 to 2020 using remote sensing data</p> <p><b>Tiago Goulart</b>, Earthworm Foundation, Brazil</p>  |
| <b>12:40-13:05</b>   | <p><b>Title:</b> Recent climate change forcings on coastal upwellings and artisanal fishery of <i>Sardinella aurita</i> in Venezuela</p> <p><b>Alexis Bellorin</b>, Centro Nacional de Investigación de Pesca y Acuicultura (CENIPA), Venezuela</p>          |
| <b>Lunch and Networking Break @ 13:05-13:45</b>  |  |
| <b>Speaker Sessions</b>  |  |
| <b>Session Chair:</b>  |  |
| <b>13:45-14:10</b>   | <p><b>Title:</b> Climate change and agriculture high-quality agricultural development</p> <p><b>Zhongsheng Guo</b>, Northwestern A&amp;F University, China</p>   |
| <b>14:10-14:35</b>   | <p><b>Title:</b> Analysis of the flooding of coastal areas caused by climate change. Case study on beaches in the provinces of Cadiz and Malaga</p> <p><b>Antonio Contreras de Villar</b>, Universidad de Cádiz, Spain</p>                                   |
| <b>14:35-15:00</b>   | <p><b>Title:</b> Project agro2circular and how delamination recycling enables a closed loop recycling of packaging</p> <p><b>Julien Davin</b>, Saperatec GmbH, Germany</p>   |
| <b>15:00-15:25</b>   | <p><b>Title:</b> Footwear recycling pilot plant as sustainable solution and clean technology for the industry</p> <p><b>Borja Mateu Romero</b>, INESCOP, Spain</p>   |

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| 15:25-15:50                                       | <b>Title:</b> Problems and solutions for mechanical recycling of mixed fiber waste from knitted used textiles<br><b>Magdalena Kohler</b> , Technical University Chemnitz, Germany               |
| <b>Refreshments Break @ 15:50-16:10</b>           |   |
| 16:10-16:35                                       | <b>Title:</b> Increasing recycled content in circular knitted fabrics with corizon technology<br><b>Henrike Schmitz</b> , Technische Universität Chemnitz, Germany                              |
| 16:35-17:00                                       | <b>Title:</b> Topics, trends and perspectives in the research and development on textile circularity<br><b>Johannes Leis</b> , Sächsisches Textilforschungsinstitut eV Chemnitz (STFI), Germany |
| 17:00-17:25                                       | <b>Title:</b> Transforming waste into art: A creative approach to sustainability<br><b>Ala Park</b> , Ala Park Design, LLC, United States   |
| <b>Speaker Slots Available</b>                    |   |
| <b>Poster Presentation</b>                        |   |
| EP001   | <b>Title:</b> Recovery of rare earth elements for environmental catalytic applications<br><b>Teresa Tavares</b> , University of Minho, Portugal   |
| <b>Panel Discussions &amp; B2B Meeting</b>        |   |
| <b>Day 01 End   Closing Ceremony</b>              |   |
| <b>Day 02   March 25, 2025   Barcelona, Spain</b> |   |
| 08:30-09:30                                       | Registrations   |
| 09:30-09:45                                       | Opening Ceremony  |
| <b>Speaker Sessions</b>                           |   |
| <b>Session Chair:</b>                             |   |
| 09:45-10:20                                       | <b>Title:</b> From green waste to biochar: Carbon sink solutions and diverse applications, from construction to cosmetics<br><b>Mia Chen</b> , Tchar Co Ltd, Taiwan                             |
| 10:20-10:45                                       | <b>Title:</b> LNG-hydrogen co-firing experiment in domestic boiler<br><b>Hyunhee Lee</b> , Korea Institute of Energy Research, South Korea  |
| 10:45-11:10                                       | <b>Title:</b> Sustainable reuse of lead-acid battery waste for perovskite optoelectronics and solar cells<br><b>Mariana Berruet</b> , National University of Mar del Plata, Argentina           |
| <b>Refreshments Break @ 11:10-11:30</b>           |   |
| 11:30-11:55                                       | <b>Title:</b> Extreme value distribution of sea level and statistical estimation theory: An application to the alboran sea<br><b>José Juan Alonso del Rosario</b> , Universidad de Cádiz, Spain |
| 11:55-12:20                                       | <b>Title:</b> Carboneus and magnetic nanomaterials for oil/hydrocarbons removal from water<br><b>Thamer Adnan Abdullah</b> , University of Technology, Iraq                                     |
| 12:20-12:45                                       | <b>Title:</b> Basement water pumping Innovation in sindou irrigated perimeter, Western Burkina Faso<br><b>O Jacques KISSOU</b> , University of Nazi Boni, Burkina Faso                          |
| 12:45-13:10                                       | <b>Speaker Slot Available</b>   |
| <b>Lunch and Networking Break @ 13:10-13:50</b>   |   |

| Speaker Sessions  |  |
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| Session Chair:  |  |
| 13:50-14:15   | <b>Title:</b> An integrated urban drainage model in QGIS with IBER-SWMM<br><b>Namrata Karki</b> , BGEO, Spain  |
| 14:15-14:40   | <b>Title:</b> Impact of drip emitter configuration on irrigation efficiency and soil water isotope ratios in a hazelnut orchard<br><b>Firas Al Oqaili</b> , University of Technology, Iraq           |
| 14:40-15:05   | <b>Title:</b> Geological proxies with scrub: A practical approach for the taubaté basin<br><b>Douglas Bazo de Castro</b> , Unicamp, Brazil   |
| 15:05-15:30   | <b>Title:</b> Enhancing trommel screen efficiency in waste management using discrete element method (DEM)<br><b>Raúl Soriano</b> , Instituto Tecnológico de Aragón, Spain                            |
| <b>Refreshments Break @ 16:00-16:20</b>   |  |
| 16:45-17:10   | <b>Speaker Slot Available</b>  |
| 17:10-17:35   | <b>Speaker Slot Available</b>  |
| <b>Panel Discussions &amp; B2B Meeting</b>  |  |
| Day 02 In-person End   Closing Ceremony   |  |
| Day 02   March 25, 2025   Virtual   GMT+1   |  |
| <b>Keynote Forum</b>  |  |
| 16:00-16:25   | <b>Title:</b> A framework of recycling and waste management for establishing a resource circulation society<br><b>Dai-Yeun Jeong</b> , Director of Asia Climate Change Education Center, South Korea |
| <b>Speaker Sessions</b>   |  |
| Session Chair: <b>Portia M Sinnott, MS+ and Springloop Coöperatie UA, United States</b> |  |
| 16:25-16:45   | <b>Title:</b> Management of waste from post-consumer wind power farms in the brazilian scenario<br><b>Érika Alves Tavares Marques</b> , Universidade Federal de Pernambuco, Brazil                   |
| 16:45-17:05   | <b>Title:</b> Wind farm decommissioning stage in Argentina<br><b>Maria Pia Di Nanno</b> , National Technological University, Argentina   |
| 17:05-17:25   | <b>Title:</b> Unpacking paper's potential<br><b>Clara Navarro Veiga</b> , DS Smith, United Kingdom   |
| 17:25-17:45   | <b>Title:</b> Measuring circular economy in cities<br><b>Portia M Sinnott, MS+ and Springloop Coöperatie UA, United States</b>   |
| 17:45-18:05   | <b>Title:</b> Adopting nature-based solutions to avoid the tipping point in the Amazon<br><b>Carlos A Nobre</b> , University of São Paulo, Brazil  |
| 18:05 - 18:25   | <b>Title:</b> Effects of maize stalk and farmyard manure compost application on rice productivity and soil properties<br><b>Sabeela Yaqoob</b> , University of Agriculture, Pakistan                 |
| <b>Speaker Slots Available</b>  |  |
| <b>Panel Discussions &amp; B2B Meeting</b>  |  |
| Day 02 In-person End   Closing Ceremony   |  |
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