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UNITED Scientific Group

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12 YEARS OF SERVICE EXCELLENCE

GEST 2026

October 19-21, 2026 | Valencia, Spain

PROGRAM

3rd Global Conference on

Environmental Science and Technology

October 19-21, 2026 | Valencia, Spain | Hybrid

Barcelo Valencia Hotel

Avenida de Francia 11, 46023, Valencia, Spain

Silver Sponsor

Circular Cities & Regions Initiative
Knowledge Hub

Funded by the European Union

Kveloce

Bronze Sponsor

DEKRA



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European R&I consulting for sustainable, inclusive and impact-oriented innovation

Kveloce is an international consulting firm specialised in European funding programmes for Research, Development and Innovation. Since 2001, we have supported researchers, universities, research centres, companies and public administrations in turning innovative ideas into solid, competitive and impact-oriented European projects.

With more than 20 years of experience, Kveloce combines strategic consulting, in-depth knowledge of European programmes and a strong scientific-technical background. Our multidisciplinary team provides support in Grant Writing, funding strategy, European Research Council proposals, project management and coordination, communication, dissemination and exploitation, training and capacity building.

What makes Kveloce distinctive is our ability to combine European funding expertise with applied research capacities in Social Sciences and Humanities. We contribute to European R&I projects not only as consultants, but also as coordinators and strategic partners, helping consortia shape competitive proposals, structure project implementation and integrate social, environmental and innovation dimensions from the outset.

Our work is particularly connected to areas such as Safe and Sustainable by Design (SSbD), impact assessment, circular economy, stakeholder and citizen engagement, ethics, RRI, data management, social acceptance, behavioural change, scientific communication and policy recommendations.

Selected projects

Kveloce is currently involved in several European R&I projects connected to sustainability, circular economy, social impact and responsible innovation.

CCRI Knowledge Hub: A Horizon Europe project coordinated by Kveloce, supporting cities and regions in advancing circular economy solutions through knowledge exchange, capacity building, mentoring and practical tools.

ECOSTEP: A Horizon Europe project focused on ecodesign and circularity in the footwear sector, where Kveloce contributes to sustainability, stakeholder engagement, training, exploitation and impact.

OCEOMICS: A Horizon Europe project exploring the potential of marine bioactives, where Kveloce supports sustainability, Safe and Sustainable by Design approaches and market-oriented innovation.

ViSS: A Horizon Europe project working on sustainable, biobased and biodegradable alternative materials, where Kveloce contributes to Safe and Sustainable by Design, social and economic assessment, and impact-related activities.

JUST IN CLIME: A Horizon Europe project coordinated by Kveloce, focused on climate justice, just transition and the social dimensions of climate policies.

Let's collaborate

Kveloce collaborates with research organisations, universities, companies and public authorities as a proposal writing team, project partner and coordinator in European R&I projects, helping turn innovative ideas into structured, competitive and impact-oriented projects.



DEKRA at a glance

DEKRA brings together technical expertise, international reach and a clear mission: helping make products, assets and technologies safe and sustainable.

48,000+ employees worldwide

60+ countries

From ambition to measurable action

- **Decarbonization & energy transition**
  Energy efficiency audits, decarbonization plans and renewable energy projects
- **Corporate sustainability & ESG**
  Carbon and water footprints, sustainability reporting and mobility
- **Environmental consulting & training**
  Environmental impact and risk assessment, biodiversity and sustainability training

DEKRA Climate Impact Program

Moving beyond carbon neutrality

Combining ambitious internal decarbonization with measurable external climate action.

- **Decarbonize internally**
- **Support climate action extexternally**
- **Build resilience for the future**

SECURING THE FUTURE

www.dekra.com

DAY 1 In-person

Monday, October 19, 2026

Meeting Room: Celeste II

Join Zoom Live Stream
To be Updated

Meeting ID: To be updated
Passcode: To be updated

08:30-08:50 Registrations & Badge Pickup
08:50-09:00 Opening Ceremony

Chair: Maite Ferrando, Kveloce (Senior Europa)

Plenary Presentation



09:00-09:45
Hamid R. Habibi, University of Calgary, Canada
Multiomics-based Health-impact Assessment of Environmental Contaminants and Management Approaches for Treatment of Wastewater for the Benefit of our Environment and Communities

Keynote Presentations



09:45-10:20
Raul Munoz Torre, University of Valladolid, Spain
Novel Gas-phase Biorefineries for Biological Carbon Upcycling

10:20-10:50 Coffee and Visit to Exhibition Booth @Foyer

10:50-11:05 Kveloce Talk (Silver Sponsor)

Featured Presentations

TRACK 1- Circular Economy, Ecosystem Services and Nature Based Solutions, Net Zero Emissions and Carbon Capture, Forest Conservation and Land Use Change, Sustainable Agriculture and Soil Health

Chair: Mireia Ferri, Kveloce (Senior Europa)

11:05-11:30 **Christof Lanzerstorfer**, University of Applied Sciences Upper Austria, Austria
Influence of the Relative Humidity on the Moisture Content and the Flow Properties of Dry Sorption Powders

11:30-11:55 **Nermin Basaran**, Duzce University, Turkey
Climate Change and Vegetation-Based Adaptation Priorities in Akçakoca, Türkiye

11:55-12:20 **Myrle Ballard**, University of Calgary, Canada
Nature Based Solutions Vis-a-vis Three-eyed Seeing: Indigenous People's Responsibility for Our Relations

12:20-12:35 Dekra Talk (Bronze Sponsor)

12:35-12:45 Group Photo

12:45-13:45 Networking Lunch @Restaurant

13:45-14:10 **Ruben von Ristok**, DEKRA e.V., Germany
Dekra Climate Impact Program: An Innovative Approach for Alternative Corporate Climate Responsibility

14:10-14:35 **Gavin Woodburn**, University of Calgary, Canada
Letting the Land Tell Us What It Needs: Indigenous Science and 3-eyed Seeing in Indigenous – LED Research on Regenerative Forestry and Environmental Stress in Canada

14:35-15:00 **Lidia Dzierzbicka-Glowacka**, Institute of Oceanology, Polish Academy of Sciences, Poland
Digital Decision Support System for Environmentally-friendly Agriculture EnviAgri

15:00-15:30 Coffee and Visit to Exhibition Booth @Foyer

15:30-17:00 **Poster Presentations & Drinks** **@Foyer**

GEST-P01 **Maja Rankovic**, University of Belgrade – Faculty of Physical Chemistry, Serbia
Tailoring Conductive Magneli Ti6o11 Through Hydrothermal Transition Metal Doping

GEST-P02 **Rosa Ana Perez Martin**, INIA-CSIC, Spain
Multi-source Pollution in a Mining-impacted Mediterranean Ramsar Site

GEST-P03 **Maria Dolores Fernandez Rodriguez**, INIA-CSIC, Spain
Linking Chemical Contamination and Ecotoxicological Responses in Mining-impacted Sediments Near Odiel Marsh (Southwest Spain)

GEST-P04 **Tamara Jakovljevic**, Croatian Forest Research Institute, Croatia
New Strategy for Assessment of Ozone Levels and Impacts on Mediterranean Forest Ecosystems

GEST-P05 **Lukrecija Butorac**, Institute for Adriatic Crops and Karst Reclamation, Croatia
Experimental Monitoring of Mediterranean Forest Ecosystems on the Eastern Adriatic Coast

GEST-P06 **Ana Obrador**, Universidad Politecnica de Madrid (UPM), Spain
Contrasting Effects of Biochar and Liming on Metal and Metalloid Availability in Extremely Acidic and Saline Soils

GEST-P07 **Piotr Koszelnik**, Rzeszow University of Technology, Poland
Sewer Pollution Separator for Stormwater

End of Day 01

DAY 2 In-person

Tuesday, October 20, 2026

Meeting Room: Celeste II

Join Zoom Live Stream
To be Updated

Meeting ID: To be updated
Passcode: To be updated

Chair: **Veronica Malabanan Lucchese**, University of Maryland Center for Environmental Science, United States

Featured Presentations

TRACK 2 - Environmental Technology and Modeling, Climate Resilience and Adaptation, Ocean and Coastal Management, Climate Change: Challenges and Mitigation, Environmental Pollution: Causes and Control

09:00-09:25 **Noemi Garcia Lepetit**, Kveloce, Spain
CCRI Knowledge Hub: Scaling Up Circular Economy Transitions in European Cities and Regions — Achievements, Lessons Learned, and Policy Recommendations

09:25-09:50 **Lidia Dzierzbicka-Glowacka**, Institute of Oceanology, Polish Academy of Sciences, Poland
Digital Information System for Polish Maritime Areas, CSI-POM and CSI-POM 2

09:50-10:15 **Special Talk:**
Myrle Ballard & Gavin Woodburn, University of Calgary, Canada
The Third Eye in 3-Eyed Seeing: A Discussion on Relationality and Our Responsibility to Listen

10:15-10:40 **Nermin Basaran**, Duzce University, Turkey
A Spatial Planning Framework for Net-zero Carbon Transition and Urban Climate Adaptation in Duzce, Turkiye

10:40-11:10 **Coffee and Visit to Exhibition Booth** **@Foyer**

11:10-11:35 **Veronica Malabanan Lucchese**, University of Maryland Center for Environmental Science, United States
Bridging Digital and Stakeholder Networks: Socio-ecological Modeling for Invasive and Native Fisheries Management

11:35-11:50 **Shen Ruilin**, The University of Hong Kong, Hong Kong
Rising Hot Nights, Persistent Cold Days, and an Aging Population: Thermal Extremes and Cardiovascular Hospital Burden in Hong Kong, 2013–2023

11:50-12:15 **Yana Tkachenko**, Adam Mickiewicz University in Poznan, Poland
Arctic in Climate Change: Geochemical Assessment of Arctic Postglacial Deposits under Warming

12:15-13:00 Panel Discussion

Title: Integrating Environmental Technologies and Nature-Based Solutions for Climate Resilience and Sustainable Development

Moderator - Myrle Ballard — Associate Professor, University of Calgary, Canada
Panelists - Raúl Muñoz Torre — Professor, University of Valladolid, Spain | Hamid R. Habibi — Professor, University of Calgary, Canada

13:00-14:00 Networking Lunch and In-person Departure @Restaurant

Virtual Presentations

14:00-14:10 AV Check and Introduction

Chair: Milena Zivkovic, University of Kragujevac, Serbia

14:10-14:25 **Sitara Anjum**, University of the Punjab, Lahore, Pakistan
Machine learning Assessment of the Combined Influence of Winter conditions and Cigarette Smoke on Air Pollution (P.M 2.5 and P.M10)

14:25-14:45 **Hamza Er-rebyiy**, Chouaib Doukkali University, Morocco
Digital Twins for Green Hydrogen Production: from Technology-Resolved Comparison (AWE, AEM, PEMWE, SOEC) to Magneto-Tomography Coupling

14:45-15:00 **Kawtar Ezzahi**, Cadi Ayyad University (UCA), Morocco
From Olive Waste to Clean Water: Circular Valorization of Olive Stone into Biochar for Continuous Heavy-Metal Removal

15:00-15:15 **Dumebi Martina Nwajei**, Cyprus International University, Turkey
Techno-Environmental Analysis of a Solar-Thermal ORC-Based Hybrid Microgrid Using Nine Organic Working Fluids for a Community in Gonyeli, North Cyprus

15:15-15:40 **Kamrul Islam**, King Faisal University, Saudi Arabia
Hybrid Stabilization of Clayey Soil Using Bio-Enzyme (TerraEnzyme) and DatePalm Fiber

Keynote Presentation



15:40-16:15
Amit Batabyal, Rochester Institute of Technology, United States
Two Forms of Taxation, Majority Voting, and Water Pollution Cleanup in Cities Along the Ganges

Featured Presentations

16:15-16:40 **Papa Diene Faye**, Senghor University, Senegal
Modeling the Current and Future Distribution of Adansonia digitata L. in Senegal, West Africa, under SSP1-2.6 and SSP5-8.5 Climate Scenarios for the 2050 Horizon

16:40-17:05 **Igor Povar**, Moldova State University, Moldova
Thermodynamic Modeling of Metal Speciation and Selective Phosphate Precipitation in Wastewater Treatment

17:05-17:20 **Mariem Trifi**, Georesources Laboratory, Water Research and Technology Center (CERTE), Tunisia
Environmental Implications of PAH Accumulation in Coastal Chiba River Sediments, North-East Tunisia: Sources, GIS-Based Spatial Distribution, Long-Term Trends, and Toxicity Assessments

17:20-17:35 **Daniela Barrueta Estrada**, Universidad Autonoma del Estado de Mexico, Mexico
Remote Sensing Assessment of Urban Heat Islands and Land Use Patterns in Toluca, Mexico

End of Day 02

DAY 3 Virtual

Wednesday, October 21, 2026

Time zone: CEST

Join Zoom Live Stream
To be Updated

Meeting ID: To be updated
Passcode: To be updated

09:50-10:00 AV Check and Introduction

Featured Presentations

Chair: Kamrul Islam, King Faisal University, Saudi Arabia

10:00-10:25 **Laura Megido**, University of Oviedo, Spain
Valorization of Thermal Treatment Slag for the Treatment of Industrial Wastewater

10:25-10:50 **Chiara Russo**, University of Campania Luigi Vanvitelli, Italy
Loratadine Hypochlorination: Ecotoxicological Evaluation of Disinfection Byproducts

10:50-11:15 **Zohra Ulfat Shaikh**, R.D and S.H National College and SWA Science College, India
Microplastic Contamination in Drinking Water and Food: Detection, Characterization and Potential Environmental Risks

Poster Presentations

11:15-11:30 **Yundoo Lee**, Supyeoul Climate & Environment Network, South Korea
Amphibian Responses to Temporary Construction Disturbance in a South Korean Urban Wetland: A Six-year Monitoring Study

11:30-11:45 **Mark June S. Consigna**, National Taiwan Ocean University, Taiwan
Against the Odds: Microplastic Persistence in the Dynamic Ecosystem of Shallow Hydrothermal Vents

11:45-12:00 **Jaime Villaverde**, IRNAS-CSIC, Spain
Tracking Antibiotic Resistance Genes, Mobile Genetic Elements and Antibiotics Across Wastewater and Sludge Treatment in a Southern Spain WWTP

Featured Presentations

12:00-12:25 **Milena Zivkovic**, University of Kragujevac, Serbia
Machine Learning Prediction of Soil-to-Plant Radionuclide Transfer Factors: A Literature-Based Dataset

12:25-12:50 **Anita Boros**, Hungarian University of Agriculture and Life Sciences, Hungary
The Role of the State in Promoting Sustainable Agriculture

12:50-13:15 **Khalid El Bahjaouy**, University Sultan Moulay Slimane, Morocco
Spatial Mapping of Soil Salinity in a Semiarid Region Using a Machine Learning Model Based on Spectral Indices and Ground Data

13:15-13:40 **Adesse Nonvide Hippolyte**, University of Parakou, Benin
Mapping Wetland Dynamics in the Municipality of Ouesse (Benin)

End of Day 03

We Wish to See You at

GEST-2026

October 19-21, 2026 in Valencia, Spain

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USG United Scientific Group
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