REMTECH EXPO

# REMTECH Europe

Ferrara Expo

# 14-18 September 2026

## (14-15 Sept. online – 16-18 Sept in presence or hybrid)

IN PRESENCE IN FERRARA (ITALY): BOOK YOUR FREE TICKET HERE

ONLINE (ZOOM): BOOK FOR YOUR FREE VIRTUAL SEATS IN OUR WEBSITE

| INDICATIVE TIME – CHECK THE AGENDA | Mon 14 Sept LIVE STREAMING | Mon 14 Sept LIVE STREAMING | Tue 15 Sept LIVE STREAMING | Tue 15 Sept LIVE STREAMING |
|---|---|---|---|---|
| **CEST 09:15-11:15**<br>AEST 17:15-19:15<br>CST 15:15-17:15<br>IST 12:45-14:45<br>TRT 10:15-12:15 | 1<br>**Policy Perspectives, Zero Pollution, and PFAS Remediation** | ALGA<br>**Emerging Professionals** 2 | NICOLA<br>10<br>**The management of contaminated sites in Africa** | ALGA 9<br>**From investigation to analysis, understanding asbestos contamination in soil** |
| **CEST 11:30-13:30**<br>CST 17:30-19:30<br>IST 15:00-17:00<br>TRT 12:30-14:30<br>WAT 09:30-11:30 | 3<br>**Challenges in management of soil contamination in Europe** | RNEST<br>**h. 14:00 Menaces sur les sols et solutions de restauration** 4 | ITVA<br>11<br>**Remediation of PFAS-contaminated soil and groundwater in Northern Europe** | |
| **CEST 14:15-16: 15**<br>WAT 12:15-14:15<br>TRT 12:30-14:30<br>EDT 08:15-10:15<br>BRT 09:15-11:15 | 6<br>US Army Corps of Engineers<br>**Environm. concerns regarding lithium-ion batteries and solar panels** | NICOLE LATIN AMERICA<br>**Site Conceptual Models for Contaminated Site Management in Brazil** 5 | NICOLE LATIN AMERICA<br>**Vapor intrusion** 12 | 13<br>**Nature-Based Solutions to Reduce Risk from Inland Flooding** |
| **CEST 16:30-18:30**<br>WAT 14:30-16:30<br>EDT 10:30-12:30<br>BRT 11:30-13:30<br>PDT 08:00-10:00 | 8<br>**Introduction to Hydrocarbons** | CL:AIRE<br>**Verification of Below-Ground Protection Systems** 7 | BATTELLE<br>**Systems Approaches to Emerging Contaminants** 16 | 14<br>**Activity use limitations** |

| INDICATIVE TIME – CHECK THE AGENDA | Wed 16 Sept<br>WHITE ROOM- 1°floor | Wed 16 Sept<br>GREEN ROOM– Pavillon 3-4 upstairs | Wed 16 Sept<br>OTHER ROOMS |
|---|---|---|---|
| **CEST 09:00-11:00**<br>AEST 17:00-19:00<br>CST 15:00-17:00<br>IST 12:30-14:30<br>TRT 10:00-12:00 | In situ Remediation technologies 18 | Strategic Approaches to Contaminated Land Management 19 | Advancing Soil Health 23<br>Orange Room– Hall 3-Hall 4<br>1st Floor from 10:30 – 12:00 |
| **CEST 11:30-13:30**<br>CST 17:30-19:30<br>IST 15:00-17:00<br>TRT 12:30-14:30<br>WAT 09:30-11:30 | High resolution site characterization and digital tools 20 | Risk assessment 21 | PFAS Soil Remediation 22<br>Orange Room– Hall 3-Hall 4<br>1st Floor from 12:00 – 14:00 |
| **CEST 14:30-16:30**<br>TRT 12:30-14:30<br>WAT 12:30-14:30<br>EDT 08:30-10:30<br>BRT 09:30-11:30 | PFAS Treatment for Contaminated Water 25 | Innovative Nature-Based Solutions 26 | LIVE DEMO 24<br>CV<br>LIVE DEMO 1<br>Experience the technologies!<br>Starting from White Room and Green Room then in Pavillion 3,4,5,6 and outside<br>13:30 – 15:00 |
| **CEST 17:00-19:00**<br>WAT 15:00-17:00<br>EDT 11:00-13:00<br>BRT 12:00-14:00<br>PDT 08:00-10:00 | AI, Machine Learning and Data-Driven Remediation Approaches 27 | | |

| INDICATIVE TIME – CHECK THE AGENDA | Thu 17 Sept<br>WHITE ROOM- 1°floor | Thu 17 Sept<br>GREEN ROOM– Pavillon 3-4 upstairs | Thu 17 Sept<br>OTHER ROOMS |
|---|---|---|---|
| **CEST 09:00-11:00**<br>AEST 17:00-19:00<br>CST 15:00-17:00<br>IST 12:30-14:30<br>TRT 10:00-12:00 | **Gas Tracers and innovative monitoring tools**<br>28 | **Persistent Organic Pollutants (POPs) Remediation**<br>29 | PHISHES<br>PHysically-based Integrated Soil HEalth Simulation platform<br>**From data on soil health to quantitative assessment of the effects of soil management practices on soil functions and associated ecosystem services**<br>**Air Room – Pavillion 6**<br>**from 09:15 – 13:15**<br>30 |
| **CEST 11:30-13:30**<br>CST 17:30-19:30<br>IST 15:00-17:00<br>TRT 12:30-14:30<br>WAT 09:30-11:30 | **Advanced PFAS Investigation**<br>31 | NICOLE FOUNDATION<br>**Environmental Impacts from Conflicts**<br>32 | |
| **CEST 14:30-16:30**<br>TRT 15:30-17:30<br>WAT 12:30-14:30<br>BRT 09:30-11:30<br>EDT 08:30-10:30 | **ISCO and Thermal technologies**<br>34 | **Decision Support Tools for Sustainable Remediation**<br>35 | LIVE DEMO<br>33<br>**LIVE DEMO 2**<br>**Starting from White Room and Green Room then in Pavillion 3,4,5,6 and outside, 13:30 – 15:00** |
| **CEST 17:00-19:00**<br>WAT 15:00-17:00<br>BRT 12:00-14:00<br>EDT 11:00-13:00<br>PDT 08:00-10:00 | **Heavy metals and mining impacted sites**<br>36 | **Biochar-Based Solutions**<br>37 | **Technologies for Chlorinated Contaminants**<br>**Yellow Room– Hall 5-Hall 6 1st Floor**<br>**from 16:00 – 18:00**<br>38 |

| INDICATIVE TIME – CHECK THE AGENDA | Fri 18 Sept<br>WHITE ROOM- 1°floor | Fri 18 Sept<br>GREEN ROOM – PAD 3-4 upstairs | Fri 18 Sept - 24-25 Sept<br>LIVE STREAMING |
|---|---|---|---|
| **CEST 09:00-11:00**<br>AEST 17:00-19:00<br>CST 15:00-17:00<br>IST 12:30-14:30<br>TRT 10:00-12:00 | 39 **Innovative Approaches for Groundwater Remediation** | **The STM BREF Revision: redefining Surface Treatment of Metals in Europe**<br>40 | **SUSTAINATHON**<br> <br>46<br>Sustainability the road to global value<br>**24 Sept. 14:00 - 23:00 CEST**<br>**25 Sept. 07:30 - 14:00 CEST** |
| **CEST 11:30-13:30**<br>CST 17:30-19:30<br>IST 15:00-17:00<br>TRT 12:30-14:30<br>WAT 09:30-11:30 | **Bioremediation Technologies: From Microorganisms to Phytotechnology**<br>41 | **Emerging Pollutants**<br>42 | |
| **CEST 14:30-16:30**<br>TRT 15:30-17:30<br>WAT 12:30-14:30<br>BRT 09:30-11:30<br>EDT 08:30-10:30 | **Sustainable Soil Management for Resilient Agriculture**<br>44 | **Solutions for water treatment and reuse**<br>45 | 43<br>AESAS<br>Associação Brasileira das Empresas de Consultoria e Engenharia Ambiental<br>**Greenfields vs. Brownfields: Brazilian Strategies for Contaminated Site Remediation and Urban Revitalization – Lessons for the Global Market**<br>**18 September 2026**<br>**14:30 - 16:30 CEST – LIVE STREAMING** |
| **CEST 17:00-19:00**<br>WAT 15:00-17:00<br>BRT 12:00-14:00<br>EDT 11:00-13:00<br>PDT 08:00-10:00 | | | |

# CONFERENCE

RemTech Europe, the International Conference and Exhibition on land and water remediation markets and technologies, is set for **September 14-18, 2026**.

The first two days, September 14-15, will be **fully digital** and **streamed online**. The following three days, **September 16-18**, will be hybrid, allowing **in-person attendance** as well as **Zoom broadcasts**. This format enables global participation, allowing anyone to follow nearly every session throughout the five-day event.

The conference aims to share knowledge, innovations, and case studies, fostering the development of remediation processes and the application of new, sustainable technologies. It also serves as a platform for suppliers and clients to connect and discuss available services and technologies.

The agenda is packed and designed to promote the exchange of knowledge and communication among all relevant parties, involving leading European stakeholders.

The annual RemTech Europe conference provides an overview of the European market and emerging trends. Participation is **free of charge**.

# EXHIBITION

RemTech Europe will be held as part of the RemTech Expo, Europe's leading Environmental Technological Hub, specializing in the rehabilitation, regeneration, and sustainable development of territories. The event takes place annually in Ferrara, Italy, this year from September 16-18, 2026.

RemTech Expo is more than just a platform to present the current state and future outlook of the industry. It is a dynamic network of international experts working year-round to foster constructive and effective collaboration between the public and private sectors. This collaboration supports the development of ideas and projects that benefit Europe. The event is organized each year in partnership with major international authorities.

The Hub features a diverse community, including representatives from public administration, regulatory bodies, private companies, innovative start-ups, universities, research centers, trade associations, and professionals. These participants engage in discussions and intensive networking through conference sessions, workshops, working groups, refresher courses, educational workshops for schools, technological pilot tests, and cultural evenings.

RemTech Expo comprises ten thematic segments and ten public-private Scientific Technical Committees, involving over five hundred experts. More than three hundred significant companies from various supply chains participate. The event includes two hundred national and international congressional proposals and appointments, with two thousand ambassadors and speakers from one hundred countries across all six continents.

# WHO WILL PARTICIPATE?

RemTech Europe will attract leaders and key stakeholders from academia, government, regulatory agencies, site owners, private consulting firms, and various other environmental professionals. Some of the job titles represented include CEOs, Chief Scientists, Chief Hydrogeologists, Directors of Environmental Projects,

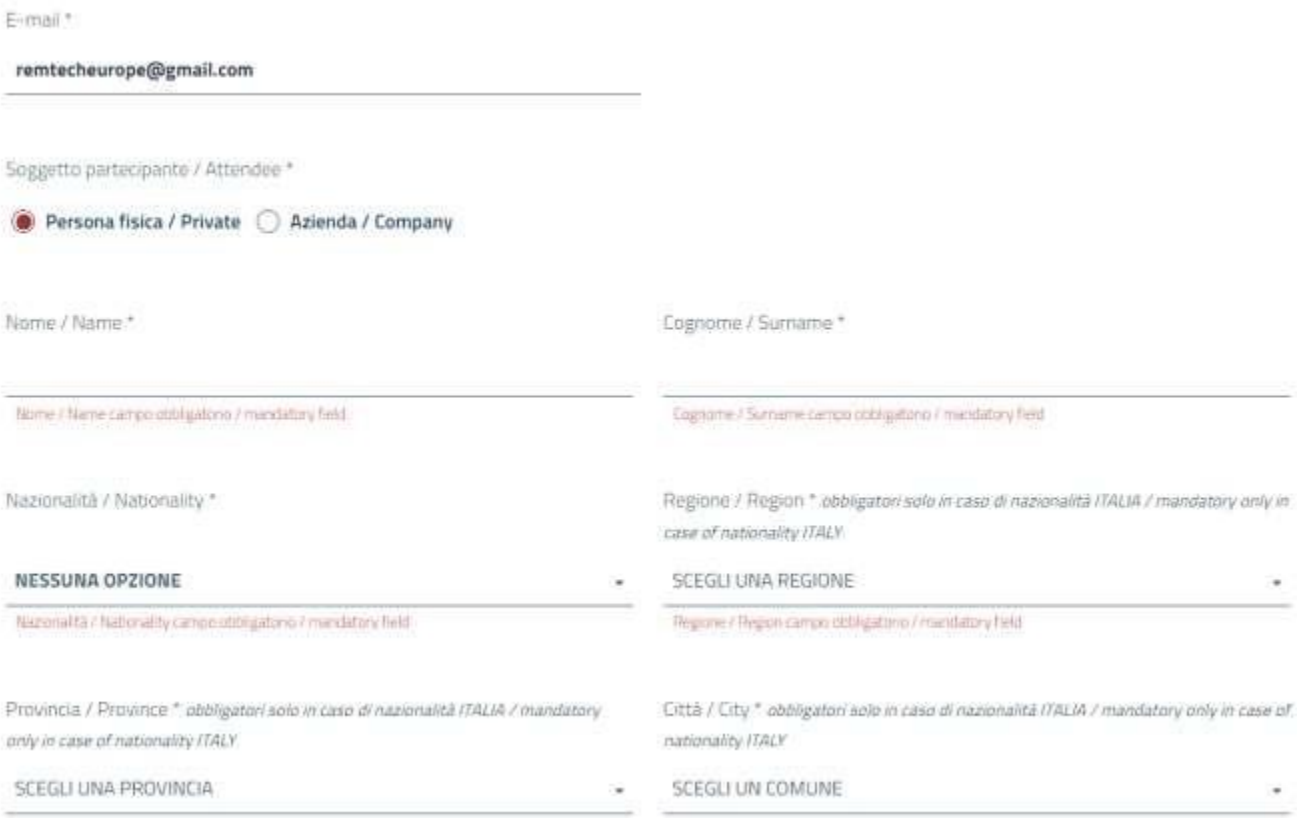
Drinking Water Treatment Engineers, Environmental Chemists, Environmental Remediation Engineers, Environmental Project Scientists, Field Environmental Engineers, Principal Geochemists, Project Directors, Regulators, Remediation Engineers, Research Microbiologists, Restoration Project Managers, Senior Engineering Geologists, Toxicologists, Vice Presidents of R&D, and Wastewater Treatment Engineers.

# HOW TO PARTICIPATE TO ONLINE AND HYBRID SESSIONS?

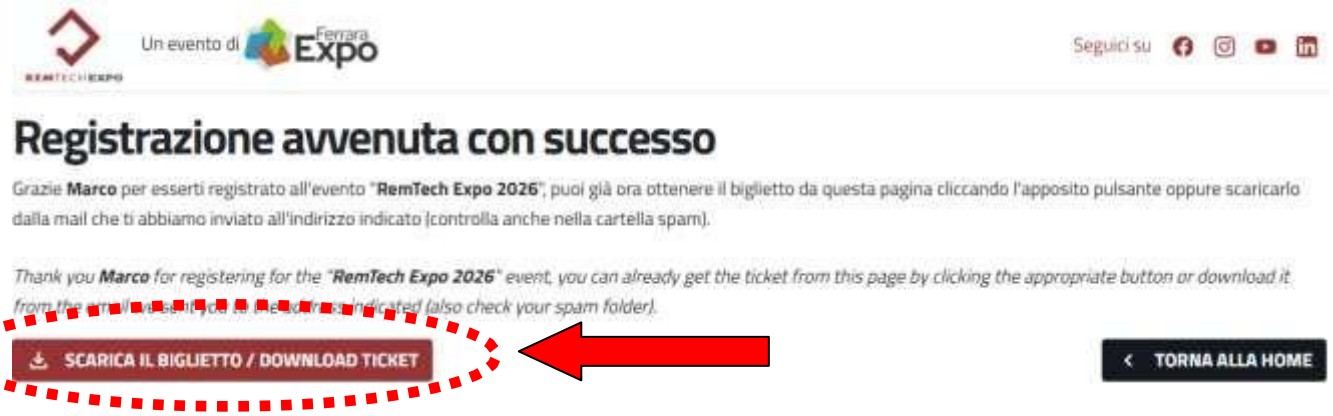
Participation as attendant is free upon registration for everybody. You may register yourself in your favorite sessions, submitting your details in the **Google Modules** provided not later than **9 September** before the starting of Remtech Europe. Our secretariat will send you the link and the password to connect at the email you provided.

# HOW TO PARTICIPATE IN PRESENCE?

For who is joining us physically us in Ferrara (Italy), you have to register here not later than **11 September** 2026 https://ticket.remtechexpo.com. **Don't wait till the last week, the system may be overloaded with requests**. You will then have to print your ticket and bring them in Ferrara and in this way you would avoid the queue at the desk, going directly to the entrance gate. This is your **FREE TICKET**.
You may also register on site but in this way, you have to pay a secretariat fee of 15 €/day not a big amount, but there could be the queue at the ticket office.
If you come by car, the parking has a cost of 7€/day. Exhibitors and sponsors would park for free.




Then you have to read and agree/disagree on the treatment of your data.




# THEN JUST PRINT YOUR FREE TICKET OR SAVE THE QR CODE IN YOUR MOBILE PHONE

Organizzato da

Organized by

**OPERATORE / PROFESSIONAL**

**BIGLIETTO VALIDO PER 3 GIORNI, 1 INGRESSO AL GIORNO (sono ammessi fino a due rientri giornalieri). Il biglietto è strettamente personale e non cedibile e deve essere conservato per tutta la durata dell'evento. Il personale all'ingresso potrà effettuare controlli casuali attraverso la verifica di un documento di identità.**

*This ticket is strictly personal and non-transferable and must be kept for the entire duration of the event. The staff at the entrance will be able to carry out random checks by verifying an identity document.*

**ATTENZIONE**
Il biglietto deve essere stampato in buona qualità e con una risoluzione di almeno 300dpi (a colori o in bianco e nero). Usando il biglietto lei accetta di osservare le norme di accesso al quartiere fieristico. I biglietti non possono essere alterati o copiati e perdono validità se il codice risulta danneggiato e non leggibile. Per questo vanno conservati con cura.

**NOTE**
*Your card must be printed in good quality and with a resolution of at least 300dpi (in color or black and white). By using the ticket, you agree to observe the rules of access to the fairgrounds. Tickets cannot be altered or copied and lose validity if the code is damaged and unreadable. This is why they must be kept with care.*

**16-18 SETTEMBRE 2026**
*16-18 SEPTEMBER 2026*
**remtechexpo.com**

**STAMPA O SALVA IL TUO BIGLIETTO ED ENTRA IN FIERA**
*PRINT OR SAVE YOUR TICKET AND VISIT THE EXPO*

**COME ARRIVARE** *HOW TO GET HERE*

**AEREO** - *AIRPLANE*
L'aeroporto Guglielmo Marconi di Bologna dista 45 Km dal Quartiere fieristico di Ferrara. Chi sbarca al Marconi può usufruire del servizio di bus-navetta "Ferrara Bus&Fly" e arrivare in soli 60 minuti a Ferrara. Il trasferimento da e verso l'aeroporto prevede 8 corse giornaliere. Per maggiori informazioni, visitate il sito www.ferrarabusandfly.it.
*The Guglielmo Marconi airport of Bologna is 45 km from the Ferrara exhibition center. Those who disembark at the Marconi can take advantage of the shuttle bus service "Ferrara Bus & Fly" and arrive in Ferrara in just 60 minutes. The transfer to and from the airport includes 8 trips a day. For more information, visit the website www.ferrarabusandfly.it.*

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# ORGANIZE YOUR TRIP TO FERRARA (GMaps https://goo.gl/maps/nKBmiF9FqVUzYToe9)

## From Bologna Airport (BLQ)

Bologna's Guglielmo Marconi Airport is 45 km from the Ferrara Exhibition Centre.

'**Ferrara Bus&Fly**' shuttle bus service and arrive in Ferrara in just 60 minutes. The transfer to and from the airport includes 8 trips per day. For more information, visit http://www.ferrarabusandfly.it/en/ or call +39 333 2005157. Cost is 18,5€ online, 22€ on board with credit card 25€ cash.

**Taxi** is the fastest way as it takes 30 minutes and costs around 80-100 € (http://www.taxiferrara.it/, tel. +39 0532 900900)

**Train** takes from 35 to 50 minutes and is the cheapest way, the cost of regional train from Bologna to Ferrara is 5,20 € with more than 30 runs per day (https://www.trenitalia.com/en.html). To go from the Bologna Airport to the Bologna train station it takes around 10 minutes with the Marconi Express with a cost of 12,80 €

## From Venice Airport (VCE)

**Train** takes around 1h15 and is the cheapest way, the cost of train from Venezia Mestre to Ferrara is from 9,00 to 23,90 € depending on train type and service. There are more than 30 runs per day (https://www.trenitalia.com/en.html). To go from the Venice Airport to the Venezia Mestre train station it takes around 20 minutes with the ATVO Airport Express Bus or Line 15 with a cost of 9,00 €.

## From Milan Malpensa Airport (FCO)

**Train** takes around 2h20 and is the cheapest way, the cost of train from Milano Centrale to Ferrara is from 25,00 to 50,00 € depending on train type and service. There are more than 20 runs per day (https://www.trenitalia.com/en.html). To go from the Milan Malpensa Airport to the Milano Centrale train station it takes around 50 minutes with the Malpensa Express Train with a cost of 13,00 € (https://www.malpensaexpress.it/en/).

## From Rome Fiumicino Airport (FCO)

**Train** takes around 2h50 and is the cheapest way, the cost of train from Roma Termini to Ferrara is from 50,00 to 75,00 € depending on train type and service. There are more than 20 runs per day (https://www.trenitalia.com/en.html). To go from the Rome Fiumicino Airport to the Roma Termini train station it takes around 45 minutes with the Terravision Bus with a cost of 6,00 € (https://www.terravision.eu/airport_transfer/bus-fiumicino-airport-rome/?noredirect=en_US).

## From Bergamo Orio al Serio Airport (BGY)

**Train** takes around 3h20 and is the cheapest way, the cost of train from Bergamo to Ferrara is from 28,00 to 60,00 € depending on train type and service. There are more than 20 runs per day (https://www.trenitalia.com/en.html). To go from the Bergamo Orio al Serio Airport to the Bergamo train station it takes around 15 minutes with the Airport Bus with a cost of 2,60 € (https://www.atb.bergamo.it/en).

## From Munchen Airport (MUC)

**Train** takes around 7h and is the cheapest way, the cost of train from Munchen HBF to Ferrara is from 45,00 to 60,00 € depending on train type and service. There are 3 runs per day (https://www.trenitalia.com/en.html). To go from the Munchen Airport to the Munchen HBF train station it takes around 40 minutes with different means of transport and with a cost of 11-15 € (https://www.munich-airport.com/public-transport-260822).

# How to arrive from downtown Ferrara to the conference venue

| Castello Estense<br>Hotel Touring | Stazione Ferroviaria<br>*Railway Station* | Quartiere Fieristico<br>*Exhibition center* |
|---|---|---|
| 8.15 | 8.25 | 8.40 |
| 9.00 | 9.10 | 9.25 |
| 9.45 | 9.55 | 10.15 |
| 10.35 | 10.45 | 11.00 |
| - | 11.15 | 11.30 |
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| - | 17.45 | 18.00 |
| 18.20 | 18.30 | 18.45 |
| 19.05 | 19.15 | 19.30 |
| 19.55 | 20.05 | - |

## FREE REMTECH COUCH

The most convenient way is the couch of Remtech, that will leave from the city centre, pass to the train station than it will arrive to the venue. Frequency is every 50 minutes starting from 8:10 and it is free. The bus stop named **"Stazione Ferroviaria"** is located at the exit of the railway station, on the left side, next to the bike parking (https://goo.gl/maps/Bkzi57UHhduQ63Vy5).

The bus stop named **"Castello Estense"** is in the city centre in Viale Cavour, in front of the Hotel Touring, behind the public gardens (https://goo.gl/maps/M4AKxc9kYbqXpXrZA).

You can easily recognize the shuttle by the RemTech logo.

The timetable could change according to the traffic, best choice is to take the first run.

## BUS n.11

Bus n.11 from the Train Station "**Stazione FS**" (https://goo.gl/maps/W3cvZhctmL6CCgfT8) or from the Estense Castle "**Cavour Giardini**" stop (https://goo.gl/maps/YasF8mKbm3das3DG8) in the direction "*Chiesuol del Fosso*". The nearest stop to Ferrara Fiere is "**Centro Congressi**" (https://goo.gl/maps/NzsNWcPR4Fgvax6P7) cost is **1,50 €**. Timetable could change (https://www.tper.it/fe-11),.

## TAXI

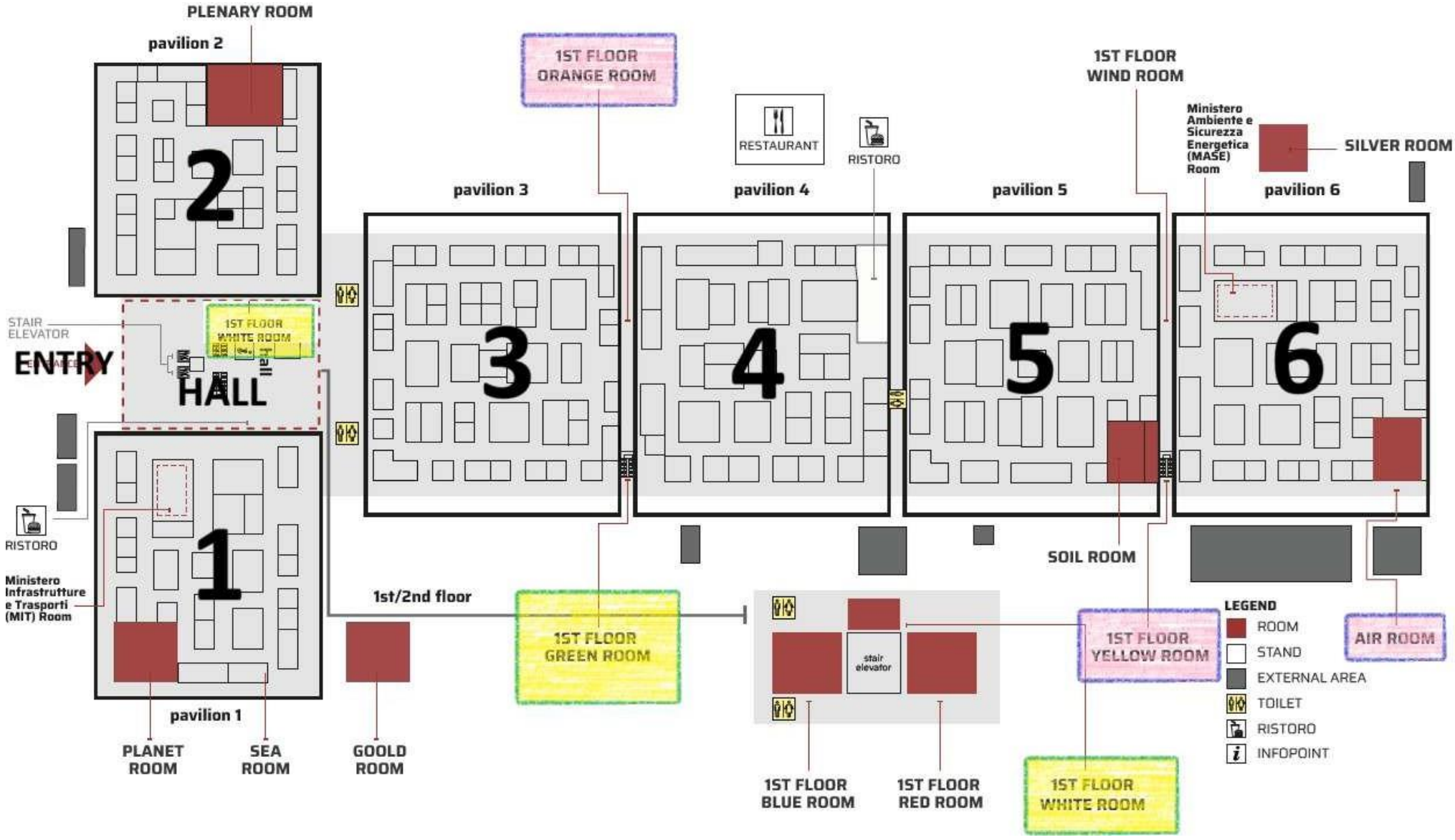
Fastest way from downtown to the venue is the taxi, the cost is around **12,00-15,00 €** and the time is around 10 minutes according to the traffic (http://www.taxiferrara.it/, tel. +39 0532 900900)

## WALKING

Walking is the most environmentally sustainable way to reach the venue. It is 4 km from the City Centre, it takes around 50 min, but it is not suggested in hot hours and when you have luggage with you.

# MAP OF THE CONFERENCE VENUE

To find the room for the session you would like to attend, please use the map provided below. The main RemTech Europe rooms are highlighted in yellow. The White Room is located in the Hall: simply take the stairs or elevator to the first floor. The Green Room is located after Hall 3, just before entering Hall 4; the stairs are on your right. A few additional sessions will take place in rooms highlighted in pink. The Orange Room is also located after Hall 3, just before entering Hall 4, with the stairs on your right. The Yellow Room is located after Hall 5, just before entering Hall 6, with the stairs on your right. The Air Room is located inside Hall 6, on the right-hand side.



# SESSION 1
# Policy Perspectives, Zero Pollution, and PFAS Remediation

**MONDAY 14 SEPTEMBER**
**09:00 – 11:10 CEST (Central European Summer Time)**

ONLINE

**Opening**

**09:00** **Inauguration of Remtech Europe 2026**
*Marco Falconi (Remtech Europe), Silvia Paparella (Remtech Expo)*

**09:10** **Opening Keynote: Science for Policy Support**
*Alessandra Zampieri, JRC D Directorate of Sustainable Resources*

**09:15** **Opening Keynote: Policy Support for the Soil Monitoring Law**
*Arwyn Jones, JRC D1: Land and Climate Unit*

**09:30** **Soil Remediation in the general EU PFAS policy framework**
*Viviane André (DG ENV C4 – Safe and sustainable chemicals)*

**09:50** **Policy Perspective: The Zero Pollution Monitoring and Outlook Report (ZPMO)**
*Karin Aschberger JRC D2 & Eylem Dogan Subasi EEA*

**10:10** **PFAS management in sectors under the IED**
*Sara Tejedor Sanz (Scientific Officer, INCITE, EU-BRITE, JRC-Seville B5) & Eric Aries (Scientific Officer, INCITE, EU-BRITE, JRC-Seville B5)*

**10:30** **Soil Pollution Cluster: Breakthroughs in PFAS Bioremediation**
*Xenia Trier (Coordinator of Cluster of Soil pollution)*

**10:50** **Session discussion, questions and wrap up**,
*Piotr Wojda, Felipe Yunta (EC DG JRC D1)*

**11:10** *Coffee break*

Register clicking here or scanning the QR code **https://forms.gle/85a6yHiwEzLMndSz7**

# SESSION 2
# Emerging professionals

## MONDAY 14 SEPTEMBER
## 09:30 – 10:30 CEST (Central European Summer Time)

ONLINE

**09:30** Welcome and introduction (3 mins)

**09:33** Sung Stone, From office to site (8 mins)

**09:41** Practical insights on transitioning from office based roles to site work, including expectations versus reality, key challenges, and how to adapt effectively.
SIG video segment (2 mins)

**09:43** Ashlee Sudholz, Entering the industry (8 mins)

**09:51** Reflections on entering the contaminated land industry, including challenges, personal experiences, and advice for emerging professionals. SIG video segment (2 mins)

**09:53** Jordan Macdonald, Career pathways and entrepreneurship (8 mins)

**10:01** Experience working across different water treatment sectors, challenges including burnout, transition to starting a business, and navigating career development outside traditional pathways. SIG video segment (2 mins)

**10:03** Georgie Shaw, Making the most of your first years (8 mins)

**10:11** Practical guidance on building your career early, including networking, getting involved beyond your organisation, and making the most of opportunities.
SIG video segment and transition (4 mins total across session)

**10:15** Q and A and moderated discussion (13 mins)

**10:28** Close (2 mins)

Register clicking here or scanning the QR code **https://forms.gle/d6Zph9NXLZoZapk18**

# SESSION 3
# Challenges in management of soil contamination in Europe

**MONDAY 15 SEPTEMBER**
**11:20 - 13:00 CEST (Central European Summer Time)**

ONLINE

**11:20** Scientific Basis for the Development of Soil Trigger Values (STVs) and Operational Threshold Values (OTVs) for Heavy Metals soil contamination in Italy
*Antonella Vecchio (National Health Institute)*

**11:50** From Field to Result: Monitoring and Emerging Contaminants
*Diana Vieira JRC D1 (indicative list), Elise Van Eynde JRC D1*

**12:10** Integrating Soil Health into Sustainable and Risk-Based Land Management
*Nazare Couto. CENSE – Center for Environmental and Sustainability Research, NOVA School of Science and Technology, NOVA University Lisbon)*

**12:30** Site-specific Risk Assessment Across Europe
*Dietmar Müller-Grabherr (COMMON FORUM on Contaminated Land in Europe)*

**12:50** Closing Panel & Wrap-up Discussion
*Piotr Wojda, Felipe Yunta (EC DG JRC D1)*

**13:00 End of the session**

Register clicking here or scanning the QR code **https://forms.gle/85a6yHiwEzLMndSz7**

# SESSION 4

# Menaces sur les sols et solutions de restauration

**MONDAY 14 SEPTEMBER**
**14:00 – 16:00 CEST (Central European Summer Time)**

ONLINE

**14:00 Introduction from the Chairs**
*Jérôme Cortet (University of Montpellier 3); Laurent Thannberger (eLTeacH Conseil)*

**14:10 SoilHarmony: vers l'harmonisation des données de surveillance des sols**
*Antonio Bispo (INRAe)*

**14:25 Évaluation de la sensibilité à l'érosion des sols du Polder de Guini (Province du Lac) Nord-Est du Lac Tchad à partir de leurs propriétés physico-chimiques**
*Adoum Abdraman Abgassi (Université de N'Djamena)*

**14:40 Enjeux de la restauration des sols agricoles des sols post-forestiers de Côte d'Ivoire face au changement climatique**
*Jean-Baptiste Ettien (Université Houphouët-Boigny, Centre Suisse de Recherches Scientifiques en Côte d'Ivoire)*

**14:55 Réponse des communautés du sol à l'ajout de legs biologiques du sol forestier dans une restauration écologique**
*Karima Lafore (Université du Québec à Montréal, UQAM)*

**15:20 Restauration de sols urbains désimperméabilisés**
*David Lafleuriel (Université Lyon 1, LEM)*

**15:35 Optimisation de l'atténuation de la chlordécone dans un sol tropical enrichi en fer zéro-valent et en amendements organiques**
*Carolina Guida (BRGM)*

**15:50 Panel discussion, stakeholders' questions and wrap up**
*Jérôme Cortet, Laurent Thannberger*

**16:00 End of webinar**

Register clicking here or scanning the QR code: **https://forms.gle/7tpTY6jVD5JnMSCUA**

# SESSION 5
# Site Conceptual Models for Contaminated Site Management in Brazil

**MONDAY 14 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

ONLINE

**Opening**

**14:15** Introduction from the Chairs
*Luciana Ferreira (Nicole Latin America), Marco Falconi (Remtech Europe)*

**14:20** Welcome from presenters and brief presentation: Nicole LatAm Network / Site Conceptual Model Work Group
*Lucas Ribeiro (Geosyntec) Maíra Scarance (Archipel)*

**14:35** Developing the NICOLE LatAm Guide on Site Conceptual Models for Contaminated Site Management: multiparty collaboration, "tropicalization" and lessons learned
*Lucas Ribeiro*

**14:50** Enough is Enough: When do you have enough data?
*Lucas Ribeiro*

**15:20** Case study 1
*Maíra Scarance*

***15:45*** Case study 2
*Lucas Ribeiro*

**16:10** Questions and answers
*Luciana Ferreira (Nicole Latin America)*

**16:15** End of the session

Register clicking here or scanning the QR code: **https://forms.gle/6ggGkebeFbf6Fj8a8**

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# SESSION 6
# Environmental concerns regarding lithium-ion batteries and solar panels

**MONDAY 14 SEPTEMBER**
**14:30 – 16:30 CEST (Central European Summer Time)**

ONLINE

**Opening**

**14:30** **Introduction from the Chairs**
*Edith Martinez-Guerra (USACE), Marco Falconi (Remtech Europe)*

**14:45** **Environmental concerns regarding lithium-ion batteries and solar panels**
*Aaron Petri, David Pogue, Catherine Thomas, Edith Martinez-Guerra (USACE)*

**16:15** **Questions and answers**
*Edith Martinez-Guerra (USACE), Marco Falconi (Remtech Europe)*

**16:30** *End of the session*

Register clicking here or scanning the QR code: **https://forms.gle/A56zUshWkKg49Tqg6**

# SESSION 7
# Verification of Below-Ground Protection Systems

**MONDAY 14 SEPTEMBER**

**16:30 – 18.30 CEST (Central European Summer Time)**

ONLINE

**Opening**

This session is aimed at practitioners who already understand below-ground risk management and want to explore the evolution of verification practice for ground gas protection and structural waterproofing, including the development of a unified framework to improve quality assurance, consistency and accountability.

**16:30** Introduction from the Chairs
*Nicola Harries (CL:AIRE) & Marco Falconi (Remtech Europe)*

**16:40** Presentation – Advancing UK Verification Practice through a unified framework for ground gas and structural waterproofing.
*Ian Price and James Rhys-Williams (Environmental Protection Group)*

**18:15** Panel discussion, stakeholders' questions and wrap up
*Nicola Harries (CL:AIRE)*

**18:30** End of the Training

Register clicking here or scanning the QR code: **https://forms.gle/cYTJcNtqVtDgxy3m8**

**Course Overview**

Verification is now an established component of UK ground gas protection. By contrast, assurance approaches for structural waterproofing remain less consistent, despite both systems being concealed below ground, highly dependent on workmanship, and difficult to investigate or remediate once construction is complete.
This training explores the development of verification practice for ground gas protection and structural waterproofing, highlighting areas where existing UK guidance and industry practice can result in differing interpretations, inconsistent implementation, and uncertainty over what constitutes adequate verification.
Delegates will be introduced to a proposed guidance document that seeks to address these challenges through a unified, risk-based verification framework applicable to both ground gas protection and structural waterproofing systems.
Using practical examples and case studies, the course will show how verification plans, method statements, testing strategies, and evidence requirements can be used to improve construction quality, define responsibilities, and reduce the likelihood of latent defects in below-ground protection systems.

**Why Attend?**

By attending this training, delegates will:

- Understand current UK verification practices for gas protection and applications for structural waterproofing.
- Learn how differing interpretations, inconsistent implementation and verification gaps can contribute to project risk and disputes over compliance.
- Explore the principles of a verification-first philosophy.
- Gain an understanding of the proposed 100% verification model.
- Learn how to prepare effective Verification Plans and Method Statements.

- Review real-world examples of common failures and lessons learned.
- Understand how improved verification can lead to better project outcomes and clearer accountability.
- Contribute to the discussion on the future of verification and quality assurance within the UK construction industry.
- Delegates will also gain insight into the development of a new industry guidance document intended to establish a consistent verification framework across both ground gas protection and structural waterproofing disciplines.

**Intended Audience**

- Geo-environmental and Geotechnical consultants
- Ground gas specialists
- Verification practitioners
- Structural waterproofing designers
- Contractors and installers
- Developers, regulators and warranty providers
- Engineers and surveyors involved in below-ground construction

Ian Price - EPG

Ian Price BEng (Hons), CSSW, SGPV is an Associate at EPG with over 12 years' experience in structural waterproofing and ground gas protection. He holds a First-Class Honours Degree in Civil Engineering, is a Certified Surveyor in Structural Waterproofing (CSSW), and a CL:AIRE Specialist in Gas Protection Verification (SGPV). Ian has designed and verified gas protection and waterproofing systems for major UK contractors and developers and contributed to industry guidance. He is currently co-authoring a good practice guidance document on verification of ground gas protection and structural waterproofing for CL:AIRE and the Property Care Association.

James Rhys-Williams - EPG

James Rhys-Williams BSc (Hons), FGS, SGPV is a Senior Geoenvironmental Consultant at EPG with broad experience in contaminated land, ground investigation, risk assessment, remediation and verification. He holds an Honours Degree in Geology, is a Fellow of the Geological Society of London and is affiliated with the Geological Society Contaminated Land Group. Working in industry since 2010, James has developed specialist expertise in the assessment and verification of ground gas protection measures. He is a CL:AIRE-accredited Assessor and Specialist in Gas Protection Verification (SGPV) and holds a Level 4 NVQ Diploma in Verification of Ground Gas Protection Systems. He is also supporting the development of a good practice guidance document on verification of ground gas protection and structural waterproofing for CL:AIRE and the Property Care Association (PCA).

# SESSION 8
# Introduction to Hydrocarbons

## MONDAY 14 SEPTEMBER
## 17:00 - 19:00 CEST (Central European Summer Time)

ONLINE

**17:00** Introduction from the Chairs
*Charles Reyes (ITRC), Paula Panzino (ITRC), Marco Falconi (Remtech Europe)*

Petroleum is a complex mixture of many compounds. Regulatory and technical guidance documents commonly focus on the hydrocarbon components of that mixture, or perceived risks that they present. However, focusing on a specific area of concern often causes practitioners to overlook other aspects of a release. For example, concerns related to exposure to total petroleum hydrocarbons (TPH) risks may be overlooked while pursuing concerns related to light non-aqueous phase liquid (LNAPL) recovery or petroleum vapor intrusion (PVI).
This class is designed to provide a basic overview of hydrocarbon behavior in the subsurface and how to scientifically assess concerns arising from the release of petroleum products into the environment. It will highlight key issues that help identify and manage TPH, LNAPL, and PVI risks together. Key concepts will include:

- Fundamentals of petroleum hydrocarbons
  - Petroleum chemistry
  - How TPH, LNAPL, and PVI are related
- Building an integrated conceptual site model (CSM)
  - What is a CSM… what is its purpose?
  - When is a CSM complete?
- Identifying and managing the risks from petroleum hydrocarbons
  - Defining LNAPL risks based on acute, saturation, composition, or aesthetic concerns
  - Emphasize the importance of biodegradation in risk management decision making
  - How to select remedial goals and remedies that align with your goals

This course is based on three separate Guidance Documents developed by ITRC that address the course content in detail:

- Light Non-Aqueous Phase Liquid (LNAPL), *LNAPL Site Management: LCSM Evolution, Decision Process, and Remedial Technologies (LNAPL-3)*
- Petroleum Vapor Intrusion (PVI), *Fundamentals of Screening, Investigation, and Management (PVI-1)*
- Total Petroleum Hydrocarbon (TPH), *TPH Risk Evaluation at Petroleum-Contaminated Sites (TPHRisk-1)*

Register clicking here or scanning the QR code **https://forms.gle/yswNTXZzBf2AYDYf8**

**Charles Reyes, ITRC, creyes@ecos.org**
Charles joined ITRC in May 2023 and is responsible for overseeing the implementation of our strategic direction and priorities, coordinating activities of the Board of Advisors, Teams, and partners and managing ITRC's staff and financials. Prior to joining ITRC, he worked for the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) for 14 years in various capacities and spent a few years as an environmental consultant.

**Tom Fox, Colorado OPS, tom.fox@state.co.us**
Tom Fox is an Environmental Protection Specialist in the Division of Oil and Public Safety (OPS) within the Colorado Department of Labor and Employment in Denver, Colorado. Tom has worked with the OPS since 2007. General duties include reviewing site characterization reports and corrective action plans; and providing guidance to optimize technical and economic feasibility of corrective actions, implementation/operation of systems, and reimbursement via the state fund. In addition, Tom has been involved in special projects such as developing electronic reporting formats, assessing the success of carbon injection for petroleum cleanups, and modifying Colorado's policy on LNAPL recovery. Prior to joining OPS, Tom was a petroleum geologist with ARCO from 1982-1986 doing exploration in the western US, and an environmental consultant on petroleum projects for several companies during 1986-2007. Tom has authored several articles, papers and presentations on assessment and corrective action techniques. Tom earned a bachelor's degree in earth science (geology) from Millersville State College (Pennsylvania) in 1980 and a master's degree in geology from Michigan State University in 1982.

**Steve Gaito, AECOM, steven.gaito@aecom.com**
Steven Gaito is a NAPL Technical Specialist with AECOM specializing in developing LNAPL conceptual site models and remedial strategies at complex sites for auto, rail, energy and oil and gas clients. Steven participates in educational and research initiatives related to LNAPL, including supporting ITRC, contributing to ASTM guidance documents, and leading LNAPL training workshops.

**Matt Lahvis, Shell, matthew.lahvis@shell.com**
Matthew Lahvis is a Principal Engineer at Shell Oil Products US and provides support on soil and groundwater issues related to the company's oil and gas operations. Matt received his PhD in Civil Engineering from Drexel University in 1993 and has authored several papers on vapor intrusion. Matt also serves as an Associate Editor for the Ground Water Monitoring and Remediation journal.

**Diana Marquez, dianaymarquez@gmail.com**
Diana Marquez retired as an Associate Toxicologist with Burns & McDonnell, where she started in June 1995. She served as the company's National Practice Leader for Risk Assessment Services. She has more than twenty years of risk assessment experience and has worked with a wide variety of sites under CERCLA, RCRA, and state-led programs. She has successfully completed work nationwide for both human health risk assessments and the determination of site-specific cleanup levels. She has direct experience working with large PRP groups on complex sites that require careful negotiations with regulators. Through this experience, she has gained in-depth knowledge of state and federal regulations. She authored 15+ publications on risk assessment, risk-based corrective actions, and vapor intrusion. Diana earned a bachelor's degree in biology from Villanova University in Villanova, PA in 1991 and a master's degree in toxicology from University of New Mexico in Albuquerque, NM in 1992.

**Chris Mulry, GES**
Chris Mulry, GES Online, **CMulry@gesonline.com**
Christopher Mulry, P.G. is a Vice President and Principal Hydrogeologist based out of GES' Maryland office. He has a diverse background in environmental investigations, risk management and the design, operation and maintenance of soil and groundwater remediation and management programs – primarily at petroleum facilities. He has served with GES in various technical and managerial capacities since 1986 and has worked at project sites in the US and internationally. Mr. Mulry has been responsible for completing investigative and remediation programs in a wide range of site settings with an emphasis on
Conceptual Site Model development. He has experience with direct sensing and geophysical tools and techniques as well as multi-level evaluations in complex and fractured rock settings. Mr. Mulry has presented technical topics on a wide range of subjects including fractured rock characterization, LNAPL behavior and
petroleum vapor intrusion. He also leads an internal group of hydrogeologists at GES that focuses on technical innovation, quality and training. Mr. Mulry is a licensed professional geologist in the states of Delaware, Pennsylvania Virginia and New York. Mr. Mulry has a BS in Geology from the University of Delaware and an MS in Geology from the University of Maine.

**Laura Trozzolo, TRC Companies, LTrozzolo@trccompanies.com**
Laura Trozzolo leads TRC's Risk-Based Modeling / Risk Assessment Practice for TRC. In this role, Laura provides technical and regulatory oversight for a multitude of TRC projects and leads the company's Risk Assessment Center of Research and Expertise (CORE) team, while supporting professional development of TRC's risk assessment staff. Laura has been with TRC for 10 years as a senior risk assessor in TRC's Fort Collins, Colorado office. She has 29 years of experience in human health risk assessment and risk management services for a multitude of sites, including US military installments, active/former refineries, and rail yards. She also serves as a technical specialist on fate and transport issues for TRC, including vapor intrusion, soil migration to groundwater, and groundwater lateral transport pathways, in addition to human health risk assessment services, including project/data management, and regulatory compliance for emerging contaminants, including PFAS.

# SESSION 9
# From investigation to analysis, understanding asbestos contamination in soil

ONLINE

**TUESDAY 15 SEPTEMBER**
**09:00 – 11:00 CEST (Central European Summer Time)**

**Target Audience**: Environmental consultants, public health professionals, laboratory technicians, project managers, and regulatory personnel.

**Course Description**: This education session provides participants with an understanding of asbestos contamination in soil from initial site assessment through laboratory analysis and reporting, emphasising best practices, regulatory compliance, and safety protocols.

**Summary:**

- **Introduction to Asbestos in Soil – 20 mins**
  - Basic overview/revision of asbestos definition and the six regulated asbestos
  - mineral types
  - Historical uses of asbestos and common contamination sources
  - Fate and transport of asbestos fibres in soil
  - Soil investigation levels for asbestos in soil
  - Naturally occurring vs. anthropogenic asbestos
  - Q&A – 5 mins

- **Site Investigation – 15 mins**
  - Site history and current uses
  - Importance of conceptual site models
  - Visual inspection techniques
  - Identification of potential contamination indicators
  - Sampling approaches
  - Air monitoring
  - Q&A
  - Break – 15 mins

- **Characterising and communicating risk - 25 mins**
  - Characterising asbestos contamination for compliance
  - Approaches to health risk assessment from soil contamination
  - Importance of health risk communication in assessment, remediation and management of asbestos.
  - Q&A – 5 mins

- **Laboratory Analysis Methods – 20 mins**
    - Principles and limitations of various analytical techniques
    - Interpreting laboratory results and understanding data quality
    - Method selection criteria and considerations- comparing PLM, TEM and XRD
    - Summary of international standards: ISO 22262 series standards; ASTM
    - D7521 Standard Test Method
    - Matrix effects (e.g. soil, clay, organic materials)
    - Limitations for quantification of asbestos fibres
    - Laboratory accreditation and proficiency training

**General discussion and Q&A – remaining time up to 11:00**

Register clicking here or scanning the QR code **https://forms.gle/vsB3dQsR9S9qzqCo7**

# SESSION 10
# The management of contaminated sites in Africa: Evolution of legislation and implementation in Africa

**TUESDAY 15 SEPTEMBER**
**09:00 – 11:00 CEST (Central European Summer Time)**

ONLINE

**Opening**

**09:00** Welcome, introduction to the panel members (*Dr Heidi Snyman,* Network of Industrially Contaminated Land in Africa)

**Presentations**

**09:10** Keynote address: The evolution of the South African contaminated land legislation – Lessons learned in the implementation journey (*Dr Mpho Tshitangoni, Department of Forestry, Fisheries and Environment; South Africa)*

**09:25** Facilitated panel discussion providing perspectives on:

- Legislation governing water and soil contamination in selected African countries
- Implementation mechanisms and enforcement approaches
- Progress on implementation: Expansion of legal frameworks and institutional strengthening
- Enablers such as increased public participation and engagement of NGOs in monitoring and advocacy
- Steps to address challenges such as governance, enforcement capacity, pollution management, monitoring, financial and technical constraints

Panellists:
Mr Willem van Biljon (Geo Pollution Technologies)
Ms Perrine Martin (Environmental Resources Management)
Ms Delanyo Aheto-Tsegah (SLR Consulting Ghana)
Mr Takalani Telekisa (Department of Forestry, Fisheries and Environment)
Mr Simplicio Chivambo (WSP Mozambique)

**10:45** Summary, knowledge sharing and final reflections from delegates

**11:00** End of the training

Register clicking here or scanning the QR code **https://forms.gle/goK7Zt8wTWTBxDfEA**

ITVA

Ingenieurtechnischer Verband
für Altlastenmanagement und
Flächenrecycling e.V. (ITVA)

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# SESSION 11
# Remediation of PFAS-contaminated soil and groundwater in Northern Europe

**TUESDAY 15 SEPTEMBER**
**11:15 – 13:15 CEST (Central European Summer Time)**

ONLINE

**Opening**

**11:15** Welcome from chair: Stephan Huettmann (ITVA-FA1 chair, D)

**Presentations**

**11:30** Foam Fractionation as a promising technique to treat PFAS-contaminated soil – application report from a Swedish site
*Antonio Distante, Martin Slooijer (Greensoil, NL)*

**11:35** Remediation of PFAS contaminated soil using biopolymer in-situ soil flushing at a site in Switzerland
*Anja Wilken, Daniel Ruech (Sensatec GmbH, D)*

**11:50** Stabilization of PFAS contaminated soil by active carbon mixing
*Michael Reinhard (Arcadis)*

**12:05** Promising water purification technologies for PFAS elimination
*Kathrin MacKenzie, Anett Georgi (UFZ Leipzig Halle, D)*

**12:20** Purification of waste water with high concentrations of PFAS
*Martin Cornelsen (Cornelsen Umwelttechnik, D)*

**12:35** Panel discussion moderated by chairs

**13:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/cDT997CbSiofK4JZA**

# SESSION 12
# Vapor Intrusion

**TUESDAY 15 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

ONLINE

**Opening**

**14:15** Introduction from the Chairs
*Luciana Ferreira (Nicole Latin America), Marco Falconi (Remtech Europe)*

**14:20** Welcome from and introductory remarks on Vapor Intrusion
*Rafael Sousa*

**14:45** Introduction to analytical techniques for soil gas and ambient air samples
*Rafael Sousa*

**14:50** Description of sampling methods and required equipment
*Rafael Sousa*

**15:20** Leak testing with tracer gas + TO-15 sampling
*Rafael Sousa*

**16:00** Questions and answers
*Luciana Ferreira (Nicole Latin America)*

**16:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/U56nkrx5i4fz6cQD9**

Practical Vapor Intrusion Training: Presentation of active techniques for inhalation risk assessment, demonstration of leak testing using tracer gas, and sample collection procedures.

# SESSION 13
# Nature-Based Solutions to Reduce Risk from Inland Flooding

ONLINE

**TUESDAY 15 SEPTEMBER**
**14:30 – 16:00 CEST (Central European Summer Time)**

**Opening**

**14:30** Welcome from ASTM International and Remtech Europe
*Stephanie Fiorenza (ASTM International) Marco Falconi (ISPRA, Remtech Europe)*

**Presentations**

**14:35** Nature-Based Solutions to Reduce Risk from Inland Flooding
*Cynthia Annett (Kansas State University)*

**15:50** Questions and Answers
*Stephanie Fiorenza (ASTM International)*

**16:00** End of the training

Register clicking here or scanning the QR code **https://forms.gle/HVb8GjTnFay29JJ19**

This Guide provides a set of options, with technical guidance, for using nature-based solutions (NBS) to reduce risks from increased precipitation-driven flood impacts from inland waterways and watersheds, including both fluvial flooding and pluvial flooding. According to the European Commission, storms and flooding in 2024 resulted in almost one third of river networks flooding beyond their high flood threshold, affecting an estimated 413,000 people in Europe, with at least 335 lives lost. The NBS for inland flooding risk reduction described in this Guide are readily incorporated into adaptation strategies utilizing traditional engineering solutions such as gray infrastructure, green stormwater infrastructure (GSI), and other approaches to managing runoff and flood waters. The options presented in this Guide represent cost-effective approaches to reducing the strain on existing gray infrastructure by using a hybrid design, incorporating nature-based management techniques into the existing system of flood risk reduction infrastructure.

Dr. Cynthia Annett is a Research Associate Professor with Kansas State University. She serves as an expert at the Center for Hazardous Substance Research in ecology and environmental science, database management and analysis, community mapping, and GIS. She holds a Doctorate in Zoology from UC Berkeley and a Masters in Biology/Marine Biology from Moss Landing Marine Labs. Dr. Annett serves as a technical co-lead on ASTM E3460 Climate and Community Mapping and ASTM E50.07 WK85259 Draft Standard Guide for Reducing Inland Flood Risk using Nature-based Solutions. She was the 2024 ASTM Professor of the Year.

# SESSION 14
# ASTM International Standard for Applying and Managing Activity and Use Limitations at Environmentally-impaired Sites

**TUESDAY 15 SEPTEMBER**
**16:00 – 17:30 CEST (Central European Summer Time)**

ONLINE

**Opening**

**16:00** Welcome from ASTM International and Remtech Europe
*Stephanie Fiorenza (ASTM International) Marco Falconi (ISPRA, Remtech Europe)*

**Presentations**

**16:05** ASTM International Standard for Applying and Managing Activity and Use Limitations at Environmentally-impaired Sites
*Mike Sowinski (Terradex), Paul Sonnenfeld (ASTM International)*

**17:20** Questions and Answers
*Stephanie Fiorenza (ASTM International)*

**17:30** End of the training

Register clicking here or scanning the QR code: **https://forms.gle/A65o8h5WjTVCqGeQ6**

Dating back to the 1990s, contaminated property remediation in the U.S. routinely relies on future land use restrictions, known as “activity and use limitations” to prevent unsafe land activity after cleanup and redevelopment allow some residual contamination to remain in place. The use of AULs, such as engineered barriers, groundwater use restriction zones, excavation limitations, and similar ones usually become crafted as deed restrictions and require both: (1) careful design and crafting to meet both technical and legal standards; and (2) the long term monitoring and compliance with AULs. Novel approaches for monitoring of AULs via large-scale land activity data monitoring and satellite and done imagery monitring have evolved to help assure AUL compliance. Relatedly, federal and state laws impose requirements upon property sellers and buyers for monitoring and enforcement of AULs, including requirements known as "continuing obligations” for property purchasers. ASTM Standards recommend stepwise procedures for both the design and crafting of AULs as well as for “continuing obligations” and related AUL monitoring. In this webinar, AUL experts will discuss AUL details, the lifecycle of AUL creation and stewardship, and the ASTM standards intended to guide AUL implementation and management.

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Mike Sowinski earned his BS and MS in civil and environmental engineering from the University of Maryland, and a JD from Vermont Law School. Throughout his career, he has focused on environmental issues, concentrating on the cleanup and reuse of contaminated sites. Prior to joining Terradex, Mike practiced environmental law, advising, and litigating on behalf of local governments and private clients on cleanup, institutional controls, brownfields, water pollution, land use, and other environmental matters. His experience also includes a career in environmental consulting where he worked with federal and state environmental agencies, as well as private clients, on matters ranging from broad scale advising on cleanup programs and long-term stewardship issues, to site-specific brownfield redevelopment, site cleanup, water pollution, and general environmental compliance.

Paul Sonnenfeld is the Chair of ASTM Subcommittee E50.05 on Environmental Risk Management and Vice Chair of ASTM Subcommittee E50.07 on Climate and Community. He has developed and revised numerous ASTM Standards including: Standard Guide for Stakeholder Engagement; Standard Guide for Per-and Polyfluoroalkyl Substances Site Screening and Initial Characterization; Risk-Based Corrective Action; Risk-Based Corrective Action for the Protection of Ecological Resources; Standard Guide for Greener Remediation; Standard Guide for Environmental Compliance Performance Assessment and Standard Guide for Risk Assessment Screening for Beneficial Use of Inactive and Unregulated Solid Waste Disposal and Chemically Impacted Sites. He is a hands-on environmental professional with over 40 years of experience in Environmental Permit Compliance, ISO 14001 Protocols, Environmental Risk Management, Site Characterization and Remediation, Emergency Response, Stormwater Pollution Prevention, and Ecological Risk Assessments. His site remediation experience includes CERCLA, RCRA Corrective Action, State Voluntary Cleanup programs in over a dozen states as well as nuclear decommissioning and decontamination projects in California and Missouri. He holds a B.A. in Geography/Ecosystems from UCLA.

# SESSION 16
# Systems Approaches to Emerging Contaminants

**TUESDAY 15 SEPTEMBER**
**17:00 – 19:00 CEST (Central European Summer Time)**

ONLINE

**17:00** Welcome from Battelle and Remtech Europe
*Shalene Thomas (Battelle - Senior Emerging Contaminants Program Manager), Marco Falconi (ISPRA, Remtech Europe)*

**17:10** Frameworks for Systematic Evaluation of Emerging Contaminants – Defining a Unified Approach
*Vivek Mathrani, PhD DABT (California Department of Substances Control) on behalf of ITRC*

**17:30** Evolving Classes of Emerging Contaminants – What's on the Horizon?
*Robert Whiting (WSP) Associate Director UK & Ireland*

**17:50** Innovations in Detection – Advanced Analytical Approaches
*Paige Jacob (Battelle Memorial Institute)*

**18:00** Systems Approach to Co-Contamination and Mixtures – Holistic Risk Assessment
*Bernard Gadagbui, PhD (TERA), Director of Science at Toxicology Excellence for Risk Assessment*

**18:20** From Framework to Practice – Integrating Science into Policy
*Abigail Hendershott, Executive Director of Michigan PFAS Action Response Team (MPART)*

**18:40** Questions and answers
*Shalene Thomas (Battelle Memorial Inititute)*

**18:50** Wrap-up
*Shalene Thomas (Battelle Memorial Inititute)*

**19:00** End of the session

Register clicking here or scanning the QR code https://forms.gle/cg1ArztQkDYkXHcu9

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# SESSION 18
# In situ Remediation technologies

**WEDNESDAY 16 SEPTEMBER**
**09:15 – 11:15 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**09:15** Introduction from the Chairs: *Piotr Wojda (JRC-EC), Willem van Biljon (Nicole Africa), Laurent Thannberger (RNEST)*

**Presentations**

**09:20** Hybrid Ultrasonic-Mechanical Soil Washing for Remediating Weathered Petroleum-Contaminated Desert Soils
*Meshari Almutairi (Abdullah Al Salem University, KW)*

**09:35** Design and construction of a mobile soil washing plant according to the Best Available Techniques
*Francesco Girolimetto, Antonino Roncone, Antonello Della Nebbia, Michele Biscaro (O.M.A.R., IT)*

**09:50** Pilot-scale testing of the mobile ReSoil® unit on soils from three ARAGORN metal(loid)-contaminated case studies
*Anela Kaurin, Simon Gluhar, Grega E. Voglar, Domen Leštan (ENVIT, SI), Barbara Fojkar (University of Ljubljana, SI), Eirik Aas (Eurofins)*

**10:05** Rethinking Remediation Pathways: Comparative Performance of Conventional and Adsorptive-Reactive Approaches
*Lorenzo Sacchetti (Carus)*

**10:20** Risk informed and sustainable redevelopment of a contaminated industrial site using an integrated remediation design
*Andrea Bianchini, Martin Slooijer (GreenSoil)*

**10:35** Panel discussion, stakeholders questions and wrap up

**11:15** End of the Training

Register clicking here or scanning the QR code
https://forms.gle/FDc8FZwxssrDPvdg8

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# SESSION 19
# Strategic Approaches to Contaminated Land Management

**WEDNESDAY 16 SEPTEMBER**
**09:15 – 11:15 CEST (Central European Summer Time)**

**Green Room**
**1st Floor**
**Halls 3-4**

**Opening**

**09:15** Welcome from the Chairs: *Dietmar Müller-Grabherr (COMMON FORUM), Elena Stefanoni (UNEP), Johan De Fraye (Nicole Foundation)*

**Presentations**

**09:20** Towards Strategic PFAS Management in Southeast Asia – A Regional Situational Review of Risk, Regulation and Treatment Approaches
*Charles Lee (University of Newcastle (AU)), Benica Pasaporte, Mitesh Kumar (WSP Singapore), Olivier Maurer (WSP France)*

**09:35** Soil contamination hotspots in Republika Srpska (Bosnia and Herzegovina): challenges for assessment, risk prioritization, and environmental governance
*Marijana Kapović Solomun, Ilija Čigoja (University of Banja Luka, BiH), Milica Vranešević (University of Novi Sad, RS), Svetlana Lazić (Ministry of Agriculture, Forestry and Water, BiH), Stojanka Dražić (Ministry of Spatial planning, Civil engineering and Ecology, BiH)*

**09:50** Healing Land, Water and Communities: Indigenous Perspectives on Remediation Practice
*Brendon Love (ALGA, AU)*

**10:05** Baseline Reports under the EU Industrial Emissions Directive: Best practices, key challenges and lessons learned
*Iraklis Panagiotakis, Eleni Strompoula, Maria-Nefeli Georgaki (ENYDRON – GR), Dimitris Dermatas (National Technical University of Athens, GR)*

**10:20** Summary of International Sustainable Remediation Initiatives
*Fabio De Palma, Claudio Albano (SURF Italy), Nicola Harries (CL:AIRE)*

**10:35** Regional Risk Assessment of diffuse and point-source soil contamination using a GIS-based Source Pathway-Receptor Framework
*Giulia Minolfi, Elena Semenzin (Ca' Foscari University), Fabio Rosada, Elisa Giubilato, Lisa Pizzol, Alex Zabeo (Greendecision) Stephane Belbeze, Virginie Derycke (BRGM, FR), Timo Tarvainen (GTK, FI)*

**10:50** Panel discussion moderated by chairs

**11:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/s3qRSQ9KvWncbpyD8**

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# SESSION 20
# High resolution site characterization and digital tools

**WEDNESDAY 16 SEPTEMBER**
**11:30 – 13:30 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**11:30** Welcome from chairs: *Felipe Yunta (JRC-EC), Matea Grabovac (UNEP), Johan De Fraye (Nicole Foundation)*

**Presentations**

**11:35** Environmental Assessment of Hydrocarbon Impacted Site at Ajeokpori Oil Spill Site Using Electrical Resistivity Tomography Technique
*Pene Barikuma, Saue Friday Raphael, Sigalo Israel (Hydrocarbon Pollution remediation Project.(HYPREP), NG)*

**11:50** Integrated environmental management and digital monitoring for a terminal construction located at the Venice industrial harbour
*Mauro Gallo, Rudi Ruggeri (eAmbiente)*

**12:05** What Monitoring Data Really Tell Us: Lessons Learned from ISCO, ERD and ISCR Field Applications
*Lionel Counet, Jeroen Vandenbruwane, Steven De Clerk (Injectis)*

**12:20** High-Resolution Site Characterization for Emergency Response Interventions: Pontedera Case Study – Hydrocarbon Spill
*F. Allegrini, V. Ercolani, S. Messina, M. Pianu, V. Raffaele (Eni Industrial Evolution), P. Angelini M. De Caro, giA. Francioli, M. Valagussa (HPC Italia), D. Casasanta, F. Giarri, D. Passerini, R. Riccio (Biochemie LAB), L. Dubbiosi, M. Uliano (TecnoIn)*

**12:35** From Data Gaps to Decision Confidence: High-Resolution Screening Technologies for Resolving Spatial and Functional Contamination Complexity
*Eugen Martac (Fugro) Claudio Carusi, Elena Di Carlo (Mares), Marcello Pianu (ENI Industrial Evolution)*

**12:50** Coupled hydro-thermal model to support feasibility study of a new thermal energy plant
*Giorgio Volpi, Elena Leale, Glenn Deleener, Joris Nackaerts (AECOM)*

**13:05** Panel discussion moderated by chairs

**13:30** End of the session

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# SESSION 21
# Risk assessment

**Green Room**
**1st Floor**
**Halls 3-4**

## WEDNESDAY 16 SEPTEMBER
## 11:30 – 13:30 CEST (Central European Summer Time)

**Opening**

**11:30** Welcome from the Chairs: *Dominique Guyonnet (BRGM), Antonella Vecchio (ISS), Frank Swartjes (RIVM, online)*

**Presentations**

**11:35** Investigation on Leachate Transport on Groundwater Contamination using Vertical Electrical Sounding (VES) at dumpsite in Ogale Community, Eleme Local Government in Rivers State
*Pene Barikuma, Sigalo Israel, Kanee Baridakara, Saue Rapahel Friday, Suka Nwibubasa (HYPREP, NG)*

**11:50** Risk-informed decisions - Concept & criteria under the new ordinance in Austria
*Dietmar Müller-Grabherr; Environment Agency Austria)*

**12:05** Guideline values for the soil-crop-pathway in Germany
*Kathrin Schmidt, Tobias Frische, Annegret Biegel-Engler (German Environment Agency (UBA), DE)*

**12:20** Assessment of Hydrocarbon Contamination in Groundwater at Crude Oil Artisanal Refining Sites in Ogoni, Nigeria
*Kianen Peter Lenu (University of Port Harcourt, NG), Nwiakoro Numbarabari, Pobari Kpenu, Karikpo Letan Popsaana, Ekong Anne (HYPREP, NG)*

**12:35** Multidimensional risk perceptions and lived experiences across four community strata near Repi dumping site in Addis Ababa
*DemamuTagele Haligamo, Tamru Tesseme Aragaw, Esayas Alemayehu (Addis Ababa University, ET)*

**12:50** Risk Assessment and Remediation Potential of Drill Cuttings Contaminated Soil Amended with Pear (Dacryodes edulis) Seed Waste
*Beabu Bernard Dumkhana, Pene Barikuma (Rivers State University, NG)*

**13:05** Panel discussion moderated by chairs

**13:30** End of the session

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# SESSION 22
# PFAS Soil Remediation

**Orange Room**
**1st floor**
**Hall 3/4**

## WEDNESDAY 16 SEPTEMBER
## 12:00 – 13:45 CEST (Central European Summer Time)

**Opening**

**12:00** Welcome from chairs: *Pavlos Tyrologou (EFG), Brandon Love (ALGA), Iustina Popescu (IGR)*

**Presentations**

**12:10** PFAS Removal from Bio-Solids using Surface Active Foam Fractionation (SAFF©) – Results from a Full Scale, 12 month Government Trial
*Peter Murphy (OPEC Systems, AU)*

**12:25** Integrated treatment of mercury- and PFAScontaminated soils using a combined soil washing and thermal desorption approach
*Lars Heinemann (BOWA Recycling, DE)*

**12:40** Restoring PFAS-contaminated soils to their pristine state : thermal treatment of source zones and pathways to full-scale remediation with Krysalis®
*Aurélien Vandekerckhove, Ysaline Depasse, Hatem Saadaoui, Jan Haemers (Haemers Technologies)*

**12:55** Lessons learned PFAS mass removal from soil bedrock and anthropogenic surfaces for improved remediation and decontamination
*Bud Ivey (Ivey International)*

**13:10** Industrial Application of Calcium for Enhanced PFAS Thermal Destruction and Mineralization
*Rodney Foo, Johan Heiszwolf (Lhoist)*

**13:25** Panel discussion moderated by chairs

**13:45** End of the session

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Lhoist

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# SESSION 23
# Advancing soil health

**Orange Room**
**1st floor**
**Hall 3/4**

## WEDNESDAY 16 SEPTEMBER
## 10:30 – 12:00 CEST (Central European Summer Time)

**Opening**

**10:30** Welcome from chairs: *Pavlos Tyrologou (EFG), Brandon Love (ALGA), Iustina Popescu (IGR)*

**Presentations**

**10:35** New insights into the effects of electrokinetic remediation on soil health
*João Brinco, Nazaré Couto, Vanessa G. Correia, João Brinco, Patricia Timbuc, Mariana Freitas, Eduardo P. Mateus, Alexandra B. Ribeiro (NOVA University Lisbon, PT)*

**10:50** Soil microarthropod communities as bioindicators of soil functioning in the Sudano-Sahelian savanna of Cameroon
*Léa Rosine Nde Djoussi, Elias Nchiwan Nukenine (University of Ngaoundéré, CM), Amandine Erktan (University of Montpellier, FR), Hartmut Koehler (University of Bremen, DE)*

**11:05** Programmable Environmental Governance: Reengineering ESG from Compliance Instrument to Sovereign Infrastructure
*Celio Soares de Souza (UNESP – University State of São Paulo, BR)*

**11:20** The IMPEL project "Soil Health and Ecosystem Services"
*Iustina Popescu (IGR, RO)*

**11:35** Panel discussion moderated by chairs

**12:00** End of the session

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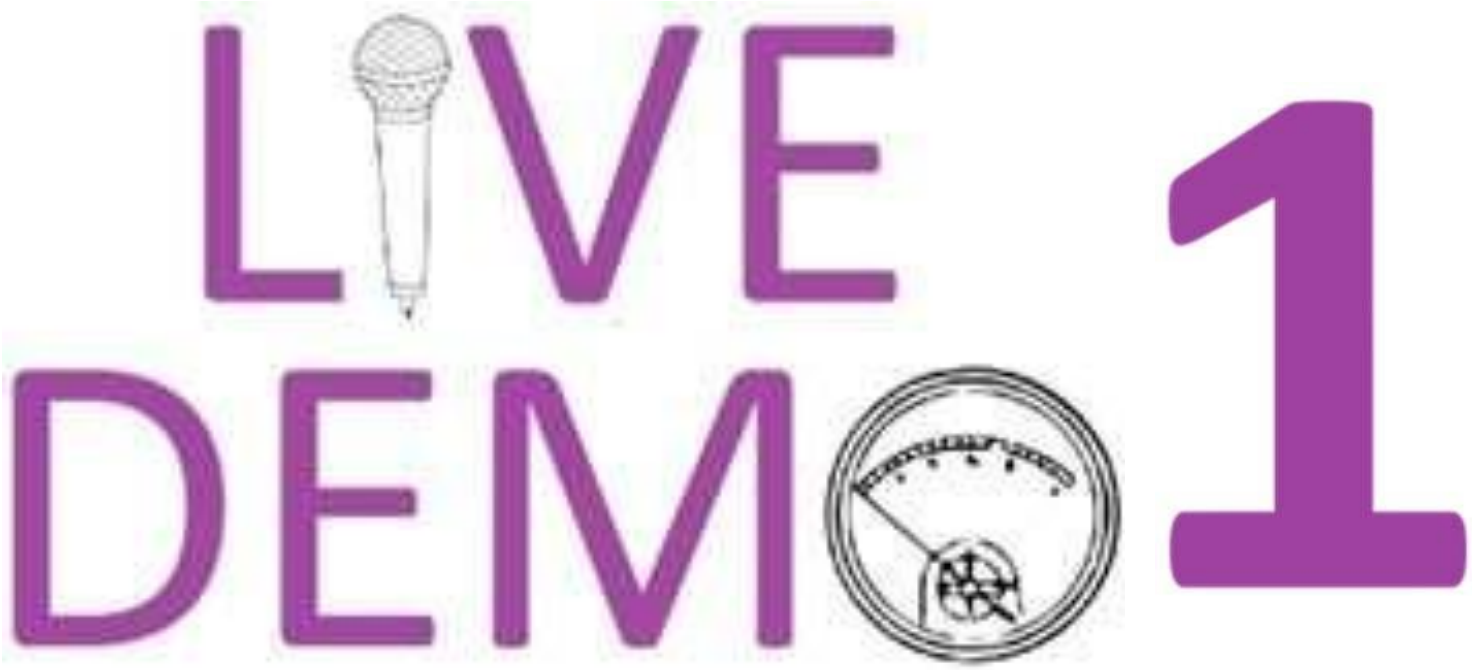


# SESSION 24 – LIVE DEMO1 - MEET THE TECHNOLOGIES

## WEDNESDAY 16 SEPTEMBER
## 13:30 – 15:00 CEST (Central European Summer Time)

**13:30** **Meeting in front of White Room with the chairs:** *Laurent Thannberger, Paola Grenni*

**Meeting in front of the Green Room with the chairs:** *Carlo Bianco, Iris Barbero*

**13:40** The use of FluxTracer
*Marcello Carboni (Regenesis)*

**14:00** LIDAR survey, visual inspections, and remote indirect measurements performed using a drone designed for confined environments
*Marco Uliano (Tecno In), Claudio Sandrone (BAW)*

**14:20** The use of prtable XRF
*Silvia Giannetti Barber (Integral Consulting)*

**14:40** Advancing CPT: Integrating HD Video Imaging for Enhanced Soil and Contaminant Detection
*William Bond (Royal Eijkelkamp)*

**15:00** End of the session

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# SESSION 25

# PFAS Treatment for Contaminated Water

**WEDNESDAY 16 SEPTEMBER**

**14:15 – 16:15 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**14:00** Welcome from the Chairs: *Dietmar Müller-Grabherr (COMMON FORUM), Piotr Wojda (JRC-EC), Elena Stefanoni (UNEP)*

**Presentations**

**14:05** Detection of new metabolites during the degradation of PFOS by Acidimicrobium sp. strain A6 in a Feammox medium
*Alessandro Pellizzaro, Massimo Fant (Acque del Chiampo), Shan Huan, Peter Jaffè (Princeton University, US), Patrizia Pretto (Ecomente ETS)*

**14:20** High-Energy Electron Beam Irradiation for PFAS Destruction in Concentrated Liquid Streams
*A. Vargas Rivadeneira, R. Labarbe, J. Brison, S. Lucas, A. Smeets (Ion Beam Application (IBA)), Ludwig, F. Kuntz (Aérial)*

**14:35** Modular treatment solutions for the elimination of short- and ultra-short-chain PFAS from contaminated groundwater
*Vincenzo Piccolo, Frédéric Genoud (Oxyle)*

**14:50** PFAS Removal from a Highly Contaminated Groundwater Site: Pilot-Scale Performance of a Novel Adsorption Media Compared with Activated Carbon
*Matteo Dei (Geostream Iberica), Jamie Dawson (Puraffinity), Silvia Cattarino, Raul Mucciolella, Paolo Renold (Geostream Italia)*

**15:05** Closing the Loop on PFAS Remediation: On-Site Destruction of AFFF and PFAS-Impacted Waters Using HALT
*Anderson Ellis, Brian Pinkard, Daniel Nelson (Aquagga)*

**15:20** Jersey Water 1-year PFAS removal pilot trials testing novel adsorbents alongside ion exchange resin and granular activated carbon
*John Wilson (Puraffinity), Jeanette Sheldon (Jersey Water), Leigh Wharton (WISP Global)*

**15:35** Scalable UV destruction of PFAS in contaminated groundwater: from laboratory to commercial scale
*Joseph Tirado, Elizabeth McCumber, James McKone, Zekun Liu (Claros Technologies)*

**15:50** Panel discussion moderated by chairs

**16:15** End of the session

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# SESSION 26
# Innovative Nature-Based Solutions

**WEDNESDAY 16 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

**Green Room**
**1st Floor**
**Halls 3-4**

**Opening**

**14:00** Welcome from the Chairs *Felipe Yunta (JRC-EC), Matea Grabovac (UNEP), Brandon Love (ALGA)*

**Presentations**

**14:05** Nature-Based Solutions for Soil Remediation under Contemporary Environmental Challenges
*Andrzej Brandyk, Grzegorz Majewski, Maja Radziemska (Warsaw University of Life Sciences, PL)*

**14:20** Biological clogging applied to developing contaminant barriers
*Alice K. M. Morita (Universidad Rey Juan Carlos, ES), Mercedes Regadío (Universidad Autónoma de Madrid, ES)*

**14:35** MIBIREM Project – Toolbox for Microbiome-based Remediation
*Stefan Pfeiffer, Thomas Reichenauer (Austrian Institute of Technology), David Donnerer (RTDS Association)*

**14:50** Application of Nutroil NP5 Nutrients for Bioremediation of Loamy Soil Contaminated with Petroleum Hydrocarbons in Bara Alue, Tai Local Government Area, Rivers State
*Pene Barikuma, Sigalo Israel, Kanee Baridakara, Saue Rapahel Friday, Suka Nwibubasa (Hydrocarbon Pollution remediation Project (HYPREP), NG)*

**15:05** Lessons learned - surfactant enhanced bioremediation of petroleum contaminated soil in Canadian arctic and Kuwait desert conditions
*Bud Ivey (Ivey International), Miikka Tunturi (Lamor), Katie Oliver (KBL Environmental)*

**15:20** Road to a future home: bio-based thermal insulation
*Sabina Alta (LaFlora)*

**15:35** In situ bioaugmentation and monitoring of ETBE polluted groundwater by using a defined aerobic ETBE-degrading microbial consortium
*Diego Corcho, Laurent Laperou (Envirotecnics), Marc Viñas (IRTA. ES)*

**15:50** Panel discussion moderated by chairs

**16:15** End of the session

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# SESSION 27
# AI, Machine Learning and Data-Driven Remediation Approaches

White Room
1° floor

## WEDNESDAY 16 SEPTEMBER
## 16:30 – 18:30 CEST (Central European Summer Time)

**Opening**

**16:30** Welcome from the Chairs: *Pavlos Tyrologou (EFG), Willem van Biljon (Nicole Africa), Frank Swartjes (RIVM, online)*

**Presentations**

**16:35** Digital 4D Conceptual Site Models and Machine Learning: Advancing Biodegradation Insights for Chlorinated Solvent Remediation
*Alessandro Valle, Paolo Ciampi, Marco Petrangeli Papini (University of Rome "La Sapienza")*

**16:50** Beyond the Laboratory: Can AI Help Environmental Professionals See Data Like an Experienced Chemist?
*Kelly Horiuchi (AmSpec Group)*

**17:05** KI Potenzialflächenkarte" – an AI generated nationwide map of brownfields in Austria
*Sabine Rabl-Berger, Gebhard Banko (Environment Agency Austria), Christian Janitsch (Austrian Federal Ministry of Agriculture and Forestry, Climate and Environmental Protection, Regions and Water Management)*

**17:20** Intelligent Environmental Sensing for Adaptive Remediation: Signal Processing and Data Assimilation for Real-Time Subsurface Monitoring
*Celio Soares de Souza (UNESP – University State of São Paulo, BR), Marcelino Monteiro de Andrade (University of Brasília, BR)*

**17:35** Advancements in Bioremediation for Marine Pollution Control: A Comprehensive Review
*Babangida Alhaji Jinjir, Musa M. Mahmud (Mai Idris Alooma Polytechnic, NG), Sharul Ismail (Universiti Malaysia Terengganu, MY), Abubakar Manuwa (Ahmadu Bello University, NG)*

**17:50** Panel discussion moderated by chairs

**18:30** End of the session

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# SESSION 28
# Gas Tracers and innovative monitoring tools

**THURSDAY 17 SEPTEMBER**
**09:15 – 11:15 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**09:15** Introduction from the Chairs *Dietmar Müller-Grabherr (COMMON FORUM), Piotr Wojda (JRC-EC), Matea Grabovac (UNEP)*

**Presentations**

**09:20** Integrating soil-gas tracers and Laser-Induced Fluorescence for rapid delineation of LNAPL source zones: a geospatial approach for contaminated site characterization
*Giulia Felli, Marco Petrangeli Papini, Paolo Ciampi (University of Rome "La Sapienza", IT), Livio Ruggiero (National Research Council, IGAG-CNR, IT)*

**09:35** Digital Environmental Monitoring for Integrated Remediation Systems: Advancing Plume Delineation and Mass Tracking in Industrial GAC
*Celio Soares de Souza (UNESP – University State of São Paulo, BR), Vivian Parron (SENAC, BR)*

**09:50** Leveraging Statistical Evaluations of VOC Distributions in Soil Gas Beneath Large Buildings to Obtain Better Datasets
*Craig A. Cox (Cox-Colvin & Associates)*

**10:05** Rethinking Tracer Gas Testing: Is Helium Still the Best Option for Vapor Intrusion Investigations?
*Kelly Horiuchi (AmSpec Group), Rafael Sousa (Vapor Solutions)*

**10:20** Assessment of Carbon Dioxide, Methane and Oxygen Mass Flux during Preliminary Site Investigations
*Andre Tartre (EcoRemediation)*

**10:35** Deployment and Validation of an Drone-Based Methane Detection System Using Specific Sensors in Amazonian Oil and Gas Unit
*Cesar Malta-Oliveira, Sandro Souto, Eduardo Querido, Elisandra Hernandes (Finkler Ambiental)*

**10:50** Panel discussion, stakeholders questions and wrap up

**11:15** End of the Training

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# SESSION 29
# Persistent Organic Pollutants (POPs) Remediation

**THURSDAY 17 SEPTEMBER**
**09:15 – 11:15 CEST (Central European Summer Time)**

**Green Room**
**1st Floor**
**Halls 3-4**

**Opening**

**09:15** Introduction from the Chairs: *Laurent Thannberger (RNEST), Rudi Ruggeri (CNG), Iustina Popescu (IGR)*

**Presentations**

**09:20** From Metagenomics to Metatranscriptomics: Decoding HCH Degradation
*Giacomo Bernabei, Simone Becarelli, Nicola Bertelloni, Devaki Destri, Riccardo Di Mambro, Simona Di Gregorio (University of Pisa, IT), Joni Elsmoortel, Eliza Depoorter, Peter Vandamme (Ghent University, BE), Jessica Beyert (Sensatec; DE), Thomas Reichenauer (AIT Austrian Institute of Technology; AT)*

**09:35** Effects of solvent, pH and dissolved organic carbon on the photodegradation of pyrethroid insecticides and their fluorescent photoproducts in aqueous media
*Diène Diégane Thiaré, Astou Ndiaye, Anta Sarr, Abdou Khadre Cissé, Kéba Ndiongue, Atanasse Coly (Université Cheikh Anta Diop, SN), Philippe Giamarchi (Université de Bretagne Occidentale, FR)*

**09:50** Carbonaceous amendments with immobilised bacteria as dual-function systems for organophosphorus pesticide retention in alluvial sediments
*Snežana P. Maletić, Srđan D. Rončević, Dragana I. Tamindžija, Tamara B. Apostolović Marijana M. Kragulj Isakovski (University of Novi Sad, RS), Peng Zhang (Nankai University, CN)*

**10:05** Soil microbiota responses to the electrokinetic remediation of pesticide-contaminated soils
*Vanessa G. Correia, João Brinco, Fernando T. Diniz, Eduardo P. Mateus, Nazaré Couto, Alexandra B. Ribeiro (NOVA University Lisbon, PT)*

**10:20** Panel discussion, stakeholders questions and wrap up

**11:15** End of the Training

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# SESSION 30

## From data on soil health to quantitative assessment of the effects of soil management practices on soil functions and associated ecosystem services

**Air Room Hall 6**

**THURSDAY 17 SEPTEMBER**
**09:15 – 13:15 CEST (Central European Summer Time)**

**09:15 Welcome and introduction from the Chairs**
*Marco Falconi (ISPRA) Bjarne W. Strobel (University of Copenhagen) and Dominique Guyonnet (BRGM)*

**09:25 Session: part 1 (15 min talk + 5 min questions)**

- "Introduction to the PHISHES project - integrated modelling for soil health"
  *Alexandra Murray, DHI*
- "The filter function of agricultural soils, exemplified by PFAS transport and retention"
  *Prof. Bjarne Strobel, UCPH*
- "Modelling of pollution impact on soil ecosystem services: SOILPROM approach and example use case"
  *Prof. Jakub Hofman, RECETOX*
- "Nature-based Solutions in Rotterdam: integrating soil, water and urban sustainability"
  *Annemieke Marsmann, DELTARES*
- "Climate Change and Water Quality in Zelivka basin (CZE)"
  *Vaclav Rara, Czech Globe*

**11:05 Coffee Break**

**11:35 Session: part 2 (15 min talk + 5 min questions)**

- "Soil health and ecosystem services in contaminated land management: lessons from ISLANDR"
  *(Nazare Couto, NOVA)*
- "A modelling framework for predicting soil functions"
  *Olivier Hullot, BRGM*
- "Assessing Soil Health and Ecosystem Services in Rotterdam: An Integrated Modelling Workflow"
  *Hendrik Kok, DELTARES*
- "Soil and crop management choices for the Koprzywianka River catchment in Poland based on modelling approaches"
  *Andrzej Brandyk, SGGW*
- "Challenges in modelling the effects of PFAS remediation measures: Insights from monitoring a colloidal activated carbon barrier in Örnsköldsvik, Sweden"
  *Robert Earon, SGI*
- Ten-minute wrap-up session by session chairs (*Bjarne W. Strobel and Dominique Guyonnet)*

**13:10 End of the session**

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# SESSION 31
# Advanced PFAS investigation

**THURSDAY 17 SEPTEMBER**
**11:30 – 13:30 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**11:30** Welcome from the Chairs: *Felipe Yunta (JRC-EC), Rudi Ruggeri (CNG), Iason Verginelli (Tor Vergata University)*

**Presentations**

**11:35** Passive sampling: A useful tool in the food gathering basket
*Brendon Love (ALGA)*

**11:50** Innovative Tools for Fighting PFAS
*Jurgen Buhl (Cornelsen)*

**12:05** Field Validation of Rapid Leaching Technology for PFAS Source-Zone Remediation in Clay-Rich Soils at a US Military Installation in Eastern North Carolina
*Bryan Massa (HRP) Zeina Hinedi (GreenWise Consulting)*

**12:20** Using Min-Trap® Samplers to Better Understand PFAS
*Dora Taggart, Sam Rosolina (Microbial Insights)*

**12:35** PFAS in environmental matrices: targeted analysis and topa-based screening
*Jana Kováčová (ALS)*

**12:50** Panel discussion moderated by chairs

**13:30** End of the session

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# SESSION 32

# Environmental Impacts from Conflicts

**Green Room**
**1st Floor**
**Halls 3-4**

## THURSDAY 17 SEPTEMBER
## 11:30 – 13:30 CEST (Central European Summer Time)

**Opening**

**11:30** Welcome from the Chair, *Johan De Fraye*

**Presentations**

**11:35** Environmental Impacts and Needs for Recovery from the Ukraine Conflict
*Pier Carlo Sandei – UNEP*

**11:50** Environmental Impacts of Explosive Remnants of War on Soils – a Mine Action Operator Perspective
*Stephen Wright – HALO Trust*

**12:05** An Integrated FAO Programme for Conflict-Affected Agricultural Land Recovery in Ukraine
*Jalal ElHalabi, Nathan Park – UN Food and Agricultural Organisation*

**12:20** Environmental Pollution from the Syria Conflict
*Mohammed Amro - UNICEF*

**12:35** A Geospatial Environmental Risk Assessment and Prioritisation Tool for Gaza
*Simon Gibbons and Johan De Fraye (ERM/NICOLE Foundation)*

**12:50** Panel discussion moderated by chairs

**13:30** End of the session

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# LIVE DEMO2

## SESSION 33 – LIVE DEMO2 - MEET THE TECHNOLOGIES

### THURSDAY 17 SEPTEMBER
### 13:30 – 15:20 CEST (Central European Summer Time)

**13:30** **Meeting in front of White Room with the chairs:** *Laurent Thannberger, Paola Grenni*

**Meeting in front of the Green Room with the chairs:** *Carlo Bianco, Iris Barbero*

**13:40** Data-Driven Remediation in Action: Integrating IoT continuous monitoring and metagenomics for advanced site control.
*Niccolò Martini (Quantifica)*

**14:00** EVO droplets, the difference in size between factory and in the field created emulsions
*Robert Wagenveld (QM Environmental)*

**14:20** On-site mass spectroscopy as high resolution added value for a correct assessment of the functional and spatial dependencies in the underground contaminant development
*Eugen Martac (Fugro)*

**14:40** The use of Vapor Pin for subslab vapor intrusion measurements
*Craig Cox (Cox Colvin)*

**15:00** ReSoil® Demonstration Plant for Heavy Metal Removal
*Simon Gluhar, Grega E. Voglar, Anela Kaurin, Domen Leštan (ENVIT)*

**15:20** End of the session

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# SESSION 34
# ISCO and Thermal technologies

**THURSDAY 17 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**14:15** Welcome from the Chairs: *Piotr Wojda (JRC-EC), Brandon Love (ALGA), Iustina Popescu (IGR)*

**Presentations**

**14:20** Full scale project with a combined in situ surfactant enhanced flushing and chemical oxidation technology for the remediation of organic compounds
*Guido Piepoli (A.S.T.C. Remediation)*

**14:35** Combined In Situ Stabilization (ISS) and In Situ Chemical Oxidation (ISCO): Synergies of a Combined Remedy and Lessons Learned
*Brant Smith, Josephine Molin, Alberto Leombruni (Evonik)*

**14:50** Ozone-Based In Situ Chemical Oxidation (ISCO) for Deep PCB Source Zone Remediation: Design and Field Pilot Test at the SIN Brescia-Caffaro (Italy))
*Emilio Cucciniello (Greenthesis)*

**15:05** From Laboratory Testing to Engineering Design: Reducing Uncertainty in Full-Scale ISCO Applications
*Jeroen Vandenbruwane, Steven De Clerck, James Delanoeye, Lionel Counet (Injectis)*

**15:20** Thermal desorption of VHOC Contaminated Soil and Vapor Management at Lucciana, France
*Tom Renson, Lucie Devaux, Aline Jordens, Hatem Saadaoui, Jan Haemers (Haemers Technologies)*

**15:35** Large-Scale Application of Thermal Conduction Heating (TCH) and in situ integrated remedation strategy: the Area Tremonti Case Study
*Alessandro Princigalli, Paola Gigli, Damiano Belli (Tre Monti)*

**15:50** Panel discussion moderated by chairs

**16:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/6wvhAGnciFf9VNJn8**

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# SESSION 35
# Decision Support Tools for Sustainable Remediation

**THURSDAY 17 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

**Green Room**
**1st Floor**
**Halls 3-4**

**Opening**

**14:15** Welcome from the Chairs: *Elena Stefanoni (UNEP), Dominique Guyonnet (BRGM), Iason Verginelli (Tor Vergata University)*

**Presentations**

**14:20** Assessing industrial reconversion potential in brownfield sites: a gismcda approach for circular ecoindustrial district planning
*Federico Pinzin, Mentore Vaccari (University of Brescia, IT), Laura Cutaia, Emanuela De Marco (ENEA, IT)*

**14:35** Sustainability Evaluation of Soil Remediation Options and Development of an Enhanced Decision-Support Approach
*Burcu Yıldırım, Hale Demirtepe (Izmir Institute of Technology, TR)*

**14:50** Adaptive Environmental Remediation Systems (AERS): Bayesian Data Assimilation for Dynamic Soil Contamination Models
*Celio Soares de Souza (UNESP – University State of São Paulo, BR)*

**15:05** Guidelines for Selecting Remediation Technologies for Unsaturated Soils and Groundwater: A Screening Matrix Approach for Luxembourg
*Anna Espinoza-Tofalos (Luxembourg Institute of Science and Technology), Alessia Sartorelli Simone Bruschi, Sabrina Saponaro (Politecnico di Milano), Pol Tock, Maryline Moutier (Environment Agency, Luxembourg)*

**15:20** Functional genomics of the genus Cladosporium: insights into the myco-remediation of Halogenated Organic Compounds (HOCs)
*Iuliia Kozlova, Elisa Conticelli, Simona Tondelli (University of Bologna, IT), Serena Sgallari (Emilia-Romagna Region, IT)*

**15:35** A methodology for sustainability and circularity assessment of remediation scenarios: A case study application through ASTRA 3.0
*Antonio Sellitri, Elena Semenzin (Ca'Foscari University), Lisa Pizzol, Alex Zabeo, Matteo Carisi (Green Decision), Angela Bonfà, Petra Scanferla (Ca'Foscari University Foundation), Silvia Anna Frisario, Federico Villani (ENI Rewind), Vito Tonetto, Marcello Mancini (ENI)*

**15:50** Panel discussion moderated by chairs

**16:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/HfaKbqVrcWkJoiNs7**

Università Ca'Foscari Venezia

REMTECH Europe

# SESSION 36
# Heavy metals and mining impacted sites

**THURSDAY 17 SEPTEMBER**
**16:30 – 18:30 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**16:30** Welcome from the Chairs: *Dietmar Müller-Grabherr (COMMON FORUM), Laurent Thannberger (RNEST), Frank Swartjes (RIVM, online)*

**Presentations**

**16:35** The synergy of coconut shell, bone, and azolla waste in accelerating the recovery of post-coal mining soils
*Haryatie Sarie (Politeknik Pertanian Negeri Samarinda, ID)*

**16:50** Portable X-Ray Fluorescence Analyzers: Applications to Characterize Lead in Soil
*Silvia Gianetti Barber (Integral Consulting)*

**17:05** Senegalia senegal (L.) Britton. response to microbial and manure amendments for rehabilitation of waste rock dumps in the mining site of Essakane in Burkina Faso
*Godar Sene (INERA/DEF, BF), Hendi H. Yonli (IAMGOLD Essakane, BF), Kadidia B. Sanon (INERA/DEF, BF); Damase P. Khasa (Université Laval, Québec. CA)*

**17:20** Plant growth responses in chromium contaminated soils
*Dragana Vidojević (Serbian Environmental Protection Agency (SEPA)), Uroš Buzurović, Mira Milinković (Institute of Soil Science, RS), Marco Falconi (ISPRA, IT), Aleksandra Šiljic-Tomić (Uinted Nations Environmental Programme)*

**17:35** Impact of an organic amendment on soil carbon and plant productivity at tailings ponds in the interior of British Columbia: Solution for reclamation plan
*Alexandra Scarella Chamy (Independent), Wendy Gardner, John Karakatsoulis, Michelle Phillips (Thompson Rivers University, CA)*

**17:50** Panel discussion moderated by chairs

**18:30** End of the session

Register clicking here or scanning the QR code **https://forms.gle/FnPQBZhUKw4NVBcX7**

REMTECH Europe

# SESSION 37

# Biochar-based solutions

**Green Room**
**1st Floor**
**Halls 3-4**

## THURSDAY 17 SEPTEMBER
## 16:30 – 18:30 CEST (Central European Summer Time)

**Opening**

**16:30** Welcome from the Chairs: *Felipe Yunta (JRC-EC), Nazarè Couto (NOVA), Willem van Biljon (Nicole Africa)*

**Presentations**

**16:35** Towards sustainable injectable reactive barriers: colloidal biochar stabilization, transport and reactive performance
*Naima Blal, Damiano Feriaud, Sara Cerra, Ilaria Fratoddi, Marco Petrangeli Papini (University of Rome "La Sapienza", IT)*

**16:50** Biochar as a Soil Amendment for Reforestation of a Former Gravel Pit in a Western Canadian Boreal Setting
*David Halstead, Blaine Chartrand (Saskatchewan Polytechnic, CA), Andrew Carpenter (Reclaimit), Lily Yu (University of Arizona, US)*

**17:05** Carbon materials from biomass: how production pathways shape biochar and hydrochar performance
*Irina Jevrosimov, Tijana Marjanović Srebro, Tamara Apostolović, Nina Đukanović, Jelena Beljin, Marijana Kragulj Isakovski, Snežana Maletić (University of Novi Sad, RS)*

**17:20** ECOSAFE - Eco-COmpatible processes for worker SAFEty at contaminated sites
*Gabriele Beretta, Marta Puddu, Sabrina Saponaro, Elena Sezenna (Politecnico di Milano, IT), Andrea Franzetti, Isabella Gandolfi (Università di Milano Bicocca, IT), Marco Di Basilio (INAIL, IT)*

**17:35** Panel discussion moderated by chairs

**18:30** End of the session

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REMTECH Europe

# SESSION 38
# Technologies for Chlorinated Contaminants

**THURSDAY 17 SEPTEMBER**
**16:00 – 18:00 CEST (Central European Summer Time)**

**Yellow Room**
**1st floor**
**Hall 5/6**

**Opening**

**16:00** Welcome from the Chairs: *Piotr Wojda (JRC-EC), Matea Grabovac (UNEP), Pavlos Tyrologou (EFG)*

**Presentations**

**16:05** Coupled nano-bio processes for the effective removal of complex mixtures of persistent pollutants from groundwater
*Iris Barbero, Rajandrea Sethi, Tiziana Tosco (Politecnico di Torino, IT), Carlo Bianco (DeltaNova)*

**16:20** Identification and implementation of the most suitable available technology for the remediation of chlorinated solvents in groundwater, informed by a comprehensive site characterization and supported by focused monitoring activities
*Eduardo Alzola, Unai Reyes, Amaia Yubero, Bárbara Angulo (AFESA Medio Ambiente, ES)*

**16:35** Meeting vinyl chloride targets using an aerobic permeable biobarrier in contaminated aquifers
*Camilla Valli, Sarah Zecchin, Lucia Cavalca (Milan University), Chiara Maisano, Laura Ferrari, Giacinto Carnevale (TAUW Italia), Maurizio Agosta, Andrea Del Frate, Leandro Moretti, Luca Colombo (Edison Regea)*

**16:50** A Biomonitoring Technical-Operational Protocol (BTOP) supporting bioremediation of organochlorine-contaminated sites
*A.Arelli, F.Araneo, V.Fiano, C.Fiori, L.Marangio, G.Reina, M.Serafini, F.Zampetti (ISPRA), B.Matturro, S.Rossetti (IRSA-CNR), E.Alberico, R.Bortoletto, F.Berteni (ARPA Lombardia), M. Mazzola, F.Danesin, S.Trivellato, E.Pulze, L.Epulandi (ARPA Veneto), G.Zaccanti, R.Costantino, C.Bazzini, S.Costa (ARPAE Emilia Romagna), M.Mangone, V.Manca (ARPAS Sardegna), Valentina Sammartino Calabrese, G.Ragone, D.Della Rocca (ARPAC Campania)*

**17:05** Genomic and transcriptomic approaches to halogenated organic compounds transformation by cladosporium strains
*Giampiero De Simone, Simona Di Gregorio, Giacomo Bernabei, Elena Andreotti, Chiara Giovannetti (University of Pisa), David Levin (University of Manitoba, CA), Laurence Fraissinet, Thibault Le Gratiet, David Chapulliot (Université Lyon, FR)*

**17:20** Genomic and transcriptomic approaches to halogenated organic compounds transformation by cladosporium strains
*Geremia Sassetto, Marco Petrangeli Papini, Marco Zeppilli (Sapienza University of Rome, IT), Bruna Matturro (IRSA-CNR, IT)*

**17:35** Panel discussion moderated by chairs

**18:00** End of the session

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REMTECH Europe

# SESSION 39
# Innovative Approaches for Groundwater Remediation

**FRIDAY 18 SEPTEMBER**
**09:15 – 11:15 CEST (Central European Summer Time)**

White Room
1° floor

**09:15** Welcome from the Chairs: *Johan De Fraye (Nicole Foundation), Dominique Guyonnet (BRGM), Laurent Thannberger (RNEST)*

**Presentations**

**09:20** Presentation of other conferences on contaminated sites: dates, location, topics, deadlines, call for abstracts – ALGA ecoforum 9-11 November 2027 in Sydney (Brandon Love & Matthew Potter), Nicola Africa 28-29 October 2026 (Willem von Biljon & Heidi Snyman), AESAS Sao Paulo, August 2027 (Thiago Gomes, Patricia Ruiz), coordination of Marco Falconi (ISPRA)

**09:30** Groundwater TPH Reduction Dynamics During Active Remediation in Ogoniland: Evidence of Rebound, Smear-Zone Persistence, and Process-Based Controls
*Sigalo Israel, Pene Barikuma, Onuoha Rejoice (Hydrocarbon Pollution Remediation Project (HYPREP), NG)*

**09:45** Outcome of large-scale soil remediation works in Kuwait – Soil Washing
*Micaela Abruzzese, Laura Lorini, Marco Petrangeli-Papini (Sapienza University of Rome, IT), Bruna Matturro (IRSA-CNR, IT)*

**10:00** Estimating mass extraction and remediation time for pump-and-treat schemes with capture zone analyses
*Martí Bayer-Raich, Simin Akbariyeh, Jon Whitley, Eric M. Hicks, Kristine Weber, Sriram Madabhushi, Mackenzie Hirt, Matthew J. Zenker (AECOM)*

**10:15** Large sustainable Tuscany brownfield remediation challenges, opportunities and lessons learned
*Bud Ivey (Ivey International)*

**10:30** Integrated adaptive remediation and water resilience: stakeholder-centred synergies between GENESIS and TARGET
*Pavlos Tyrologou, Vitor Correia (EFG), Alejandro García-Gil, Gerardo Meixueiro Ríos (Instituto Geológico y Minero de España), Gilberto M. Martel Rodríguez (Instituto Tecnológico de Canarias), Juan C. Santamarta, Jelena Koritnik, Megan Expósito Brazier (Universidad de La Laguna), Hugo Miguel Pacheco (Horta City Council), Elsa Cristina Ramalho (Laboratório Nacional de Energia e Geologia), Iván Hernández Ríos (Association for the Research of Macaronesia), Rui Teixeira (Municipality of Barreiro), Vanessa G. Correia, Eduardo P. Mateus, Alexandra B. Ribeiro, Nazaré Couto (NOVA University of Lisbon)*

**10:45** Real-Scale Pilot Study on Aerobic Oxidation of Chlorinated Compounds in Groundwater
*Devaki Destri (Biodigressioni), Alessandro Gentini (Teseco bonifiche), Nicola Bertelloni, Simona di Gregorio (University of Pisa, IT)*

**11:00** Panel discussion moderated by chairs

**11:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/Sw5J3F9E1wtoyzhN8**

AECOM IVEY

# SESSION 40
# The STM BREF Revision: redefining Surface Treatment of Metals in Europe

**Green Room**
**1st Floor**
**Halls 3-4**

## FRIDAY 18 SEPTEMBER
## 09:15 – 11:15 CEST (Central European Summer Time)

**Opening**

**09:15** Welcome from the Chair, Davide Iaria

**Presentations**

**09:20** Introduction from the Ministry of Environment and Energy Security

*Representative from MASE (Ministry of Environment and Energy Security)*

**09:30** IED update: new regulatory framework

*Representative from MASE (Ministry of Environment and Energy Security)*

**09:50** Local experience on Surface Treatment of Metals and plastics

*Representative from SNPA/ARPA*

**10:10** Wastewater Management and Emission Performance Standards

*Representative from SNPA/ARPA*

**10:45** Panel discussion

**11:15** End of the session

Register clicking here or scanning the QR code: **https://forms.gle/3hbydKyYhFYweswx7**

REMTECH Europe

# SESSION 41
# Bioremediation Technologies: From Microorganisms to Phytotechnology

**FRIDAY 18 SEPTEMBER**
**11:30 – 13:30 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**11:30** Welcome from the Chairs: *Johan De Fraye (Nicole Foundation), Laurent Thannberger (RNEST), Iustina Popescu (IGR)*

**Presentations**

**11:35** Phyto-assessment of vetiver grass enhanced with EDTA soil amendment grown in single and mixed heavy metal contaminated soil
*Chuck Chuan Ng (China-ASEAN College of Marine Sciences CN, Xiamen University MY)*

**11:50** Integrated biological technologies for the remediation and requalification of an urban area contaminated by hydrocarbons
*Paolo De Angelis, Silvia Crognale, Dario Liberati, Cristina Russo, Diego Giuliarelli, Davide Lelli, Maurizio Petruccioli (University of Tuscia, IT)*

**12:05** Biochar-enhanced Miscanthus phytotechnology for the restoration of military-conflict-affected soils
*Valentyna Pidlisnyuk (Jan Evangelista Purkyne University, CZ), Vitalii Stadnik, Martyn Sozansky, Pavlo Shapoval (National University "Lvivska Polytechnika", UA), Tatyana Stefanovska (National University of Life and the Environment, UA), Andrzej Skwiercz (The National Institute of Horticultural Research, PL), Andriy Herts, Oleksandr Kononchuk (National Pedagogical University, UA)*

**12:20** Assessment of tolerance, biosorption, adsorption isotherm, and kinetics of heavy metals from liquid media using live mycelia of perenniporia subtephropora
*Auwalu Hassan (Federal University of Kashere, NG), Azman Azid (University Sultan Zainal Abidin, MY), Innocent Chukwunonso Ossai (University of Malaya, MY)*

**12:35** Enhancing phytoremediation of contaminated sediment using biochar and PGPR
*Nina Đukanović, Jelena Beljin, Marijana Kragulj Isakovski, Snežana Maletić (University of Novi Sad), Tijana Zeremski, Stanko Milić (Institute of Field and Vegetable Crops, RS)*

**12:50** Panel discussion moderated by chairs

**13:30** End of the session

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REMTECH Europe

# SESSION 42
# Emerging pollutants

**FRIDAY 18 SEPTEMBER**
**11:30 – 13:30 CEST (Central European Summer Time)**

**Green Room**
**1st Floor**
**Halls 3-4**

**Opening**

**11:30** Welcome from the Chairs: *Dominique Guyonnet (BRGM), Vivian Parron (SENAC), Nicola Harries (CL:AIRE, online)*

**Presentations**

**11:35** Biochar-activated persulfate for Atrazine and Simazine removal: insight into reactive pathways and the role of singlet oxygen
*Tijana Marjanović Srebro, Nina Đukanović, Tajana Simetić, Irina Jevrosimov, Jelena Molnar Jazić, Snežana Maletić, Jelena Beljin (University of Novi Sad, RS)*

**11:50** Anthropogenic Chemical Pollutants "MAID": A Threat to Ecological Sustainability with Possible Biological
*Rupak Kumar (ICMR - Indian Council of Medical Research, IN)*

**12:05** Soil health in closing the biomass cycle: current problems of microplastic pollution
*Monika Jakubus (Poznan University of Life Sciences, PL)*

**12:20** Hybrid system for polyethylene microplastic retention in water: the role of biochar and Lemna minor
*Madalena Picanço (Universidade de Évora, PT), Paulo M. Mourão (University of Namibia, NB), Nazaré Couto (NOVA University, PT)*

**12:35** Panel discussion moderated by chairs

**13:30** End of the session

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# SESSION 43

# Greenfields vs. Brownfields: Brazilian Strategies for Contaminated Site Remediation and Urban Revitalization – Lessons for the Global Market

ONLINE

**FRIDAY 18 SEPTEMBER**
**14:30 – 16:30 CEST (Central European Summer Time)**

**Opening**

**14:30** Welcome to the session
*Marco Falconi (ISPRA, Remtech Europe)*

**14:35** Introduction from the chairs
*Patricia Ruiz (Soldi Ambiental, AESAS), Thiago L. Gomes (Doxor, AESAS)*

**14:40** Greenfields vs. Brownfields: Brazilian Strategies for Contaminated Site Remediation and Urban Revitalization – Lessons for the Global Market
*Ana Paula Queiroz (Waterloo Brasil), Tatiana Fernandez (Antea Brasil)*

**Description**

**16:30** End of the session

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# SESSION 44

# Sustainable Soil Management for Resilient Agriculture

**FRIDAY 18 SEPTEMBER**

**14:15 – 16:15 CEST (Central European Summer Time)**

White Room
1° floor

**Opening**

**14:15** Welcome from the Chairs: *Laurent Thannberger (RNEST), Iustina Popescu (IGR)*

**Presentations**

**14:20** Comparative Evaluation of Nanofiltration and Electromagnetic Desalination Technologies for Irrigation Water Management and Potato Productivity in Semi-Arid Tunisia
*Khaskhoussy Khawla, Hachicha Mohamed (University of Carthage, TN)*

**14:35** Valorization of fruit processing by-products into antimicrobial and plant growth stimulating compounds: a circular economy perspective
*Costanza Baldisserotto (University of Ferrara, IT), Noura Raddadi (University of Bologna, IT), Anatoly P. Sobolev (Institute for Biological Systems, IT)*

**14:50** Assessing robustness and resilience of combined process for the remediation of TCE-contaminated aquifers
*Oliver C. Ruppel (Stellenbosch University, RSA)*

**15:05** Determination of Total Petroleum Hydrocarbons (TPH) in soil amended with sewage sludge: a pot experiment
*Irina Jevrosimov, Marijana Kragulj Isakovski, Tamara Apostolović, Nina Đukanović, Dragana Tamindžija, Snežana Maletić (University of Novi Sad, RS), Stanko Milić (Institute of Field and Vegetable Crops, RS)*

**15:20** Soil and crop management choices for the Koprzywianka River catchment in Poland based on modelling approaches
*Andrzej Brandyk, Maja Radziemska, Grzegorz Majewski, Sylwia Szporak- Wasilewska (Warsaw University of Life Sciences, PL)*

**15:35** Panel discussion moderated by chairs

**16:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/v5QZEXi2tVJ1ZaPZ6**

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# SESSION 45

# Solutions for water treatment and reuse

**FRIDAY 18 SEPTEMBER**
**14:15 – 16:15 CEST (Central European Summer Time)**

**Green Room 1st Floor Halls 3-4**

**Opening**

**14:15** Welcome from the Chairs: *Dominique Guyonnet (BRGM), Vivian Parron (SENAC), Nicola Harries (CL:AIRE, online)*

**Presentations**

**14:20** Comparative assessment of UV-based advanced oxidation processes for the degradation of bisphenol A in water
*Marija Kuč, Tajana Simetić, Tijana Marjanović Srebro, Jasmina Agbaba, Aleksandra Tubić, Jelena Molnar Jazić (University of Novi Sad, RS)*

**14:35** Performance Evaluation of Agro-Waste Derived Bio Reactive Materials for Cr(VI) Removal from Wastewater
*Deepak Kumar (Govind Ballabh Pant University, IN), Divyanshu Bhatt (Meerut Institute of Technology, IN)*

**14:50** Evaluation of the pollution potential of Repi dumping site on nearby surface water quality using multiple pollution indices in Addis Ababa, Ethiopia
*Demamu Tagele Haligamo, Tamru Tesseme Aragaw (Arba Minch University, ET), Esayas Alemayehu (Jimma University, ET)*

**15:05** INTECH4WATER: an integration of innovative technologies for the treatment and reuse of urban and industrial wastewater
*Pierluigi Giacò, Michele Melis, Antonia Senatore, Tatiana Chenet, Costanza Baldisserotto, Simonetta Pancaldi (University of Ferrara), Magda Blosi (CNR, IT), Luigi Sciubba, Roberta Guzzinati, Simone Busi (ENEA, IT), Biagio Esposito (Proambiente), Elisabetta Carfagna (Terra&Acqua)*

**15:20** Panel discussion moderated by chairs

**16:15** End of the session

Register clicking here or scanning the QR code **https://forms.gle/UmqPBXUHn22RerGq7**

# SESSION 46

# SUSTAINATHON

## Sustainability the road to global value

**24-25 SEPTEMBER 2026**

**From 14:00 to 23:00 (24 September) and from 07:30 to 14:00 (25 September) CEST**

ONLINE

## 7 REASONS TO ATTEND

**R**ELISH the progress being made towards one, more or all of the 17 UN SDGs by different countries.

**E**NJOY the variety of approaches and methods being used to deliver and monitor progress on individual targets for specific SDGs.

**M**ANAGE your participation to fit with other commitments over the 24 hours – attend as little or as much of Sustainathon as you want.

**T**AKE AWAY inspiration and ideas that you can apply in your country, on your projects for your stakeholders.

**E**XPERIENCE the presentations at a time that suits you – whether you attend live or follow the recorded presentations when it is more convenient for your time zone.

**C**HAT online with other like-minded practitioners from around the world – during and after the event.

**H**ONOUR those sharing their hard won experience – even if we cannot give them a warm round of applause

To reserve your seat and for the Certificate, register here

**Sustainathon Secretariat**: Emanuela Crognale –sustainathon2026@gmail.com

Register clicking here or scanning the QR code https://forms.gle/KTuqv8Xu32rSc6M56

# DAY 1 | 24 SEPTEMBER 2026

| Time Zones | SESSION | SPEAKER / SDGs |
|---|---|---|
| UTC 12:00–12:30<br>IST 17:30-18:00<br>CEST 14:00-14:30<br>BRT 09:00-09:30<br>EDT 08:00-08:30 | **Welcome & Opening Remarks**<br>Opening session setting the framework, key themes and global collaboration goals for the event. | **Marco Falconi, Paul Nathanail, Nicola Harries & Organising Committee**<br>International organising committee<br>GLOBAL |
| UTC 12:30–13:00<br>IST 18:00-18:30<br>CEST 14:30-15:00<br>BRT 09:30-10:00<br>EDT 08:30-09:00 | **Sustainability in action in the Western Balkans**<br>Highlighting how policies, technologies and cooperation can turn sustainability ambitions into practical action across the Western Balkans. | **Elena Stefanoni**<br>United Nation Environment Programme<br>GLOBAL<br>12 13 15 |
| UTC 13:00–13:30<br>IST 18:30-19:00<br>CEST 15:00-15:30<br>BRT 10:00-10:30<br>EDT 09:00-09:30 | **Packaging Reverse Logistics: Advancing the Circular Economy**<br>Examines packaging reverse logistics and recycling credit mechanisms in Brazil, including practical strategies for resource efficiency and the inclusion of waste pickers. | **Ricardo Pazzianotto**<br>Instituto Rever, Brazil<br>BRAZIL<br>8 10 11 |
| UTC 13:30–14:00<br>IST 19:00-19:30<br>CEST 15:30-16:00<br>BRT 10:30-11:00<br>EDT 09:30-10:00 | **Sustainability Certification and Carbon Markets in the City of Buenos Aires**<br>Presents an integrated framework linking Green Seal sustainability certification, carbon footprint reporting and economic incentives. | **Julian Tuccillo**<br>Buenos Aires City Government, Argentina<br>ARGENTINA<br>12 13 |
| UTC 14:00–14:30<br>IST 19:30-20:00<br>CEST 16:00-16:30<br>BRT 11:00-11:30<br>EDT 10:00-10:30 | **Managing Cadmium Risks in Cocoa Plantations Through Sustainable Management Practices**<br>Details an FAO and NICOLE project in Brazil and Trinidad & Tobago assessing cadmium risks and nature based approaches to reduce crop uptake in cocoa plantations. | **Sasha Hart**<br>NICOLE Latin America, Brazil / Portugal<br>BRAZIL / PORTUGAL<br>3 11 12 |
| UTC 14:30–15:00<br>IST 20:00-20:30<br>CEST 16:30-17:00<br>BRT 11:30-12:00<br>EDT 10:30-11:00 | **Feasibility of MABIOMET Device for Monitoring Heavy Metals Bioaccessibility in Mining Soils**<br>Presents validation of the MABIOMET portable testing device for reproducible in vitro measurement of heavy metal bioaccessibility in mining tailings. | **Maria Carolina Parodi Davila**<br>Metropolitan Technological University, Chile<br>CHILE<br>3 9 11 |
| UTC 15:00–15:30<br>CEST 17:00-17:30<br>BRT 12:00-12:30<br>EDT 11:00-11:30<br>PDT 08:00-08:30 | **Monitora Tietê: Satellite Imagery for Water Quality Monitoring of the Tietê River**<br>Highlights the use of high resolution satellite imagery and algorithms to monitor organic pollution, phycocyanin and algal blooms across the Tietê and Pinheiros Rivers. | **Maira Fonseca Cunha**<br>CETESB, Brazil<br>BRAZIL<br>6 |
| UTC 15:30–16:00<br>CEST 17:30-18:00<br>BRT 12:30-13:00<br>EDT 11:30-12:00<br>PDT 08:30-09:00 | **Using New Approach Methodologies and Modelling to Understand Contaminant Toxicity to Fish**<br>Demonstrates toxicological tools and adverse outcome pathway modelling to evaluate impacts of emerging aquatic contaminants on fish and human consumers. | **Jason Magnuson**<br>SETAC, United States<br>UNITED STATES<br>13 14 |
| UTC 16:00–16:30<br>CEST 18:00-18:30<br>BRT 13:00-13:30<br>EDT 12:00-12:30<br>PDT 09:00-09:30 | **Building a Sustainable Cocoa Value Chain**<br>Outlines a triple bottom line model balancing economic viability, environmental protection and social fairness within the Caribbean cocoa value chain. | **Pathmanathan Umaharan**<br>Cocoa Research Centre, UWI, Trinidad & Tobago<br>TRINIDAD & TOBAGO<br>10 13 17 |

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|---|---|---|
| **UTC 16:30–17:00**<br>CEST 18:30-19:00<br>BRT 13:30-14:00<br>EDT 12:30-13:00<br>PDT 09:30-10:00 | **Scaling Youth Led Sustainable Development: Lessons from 23 Projects Across Peru**<br>Shares lessons from 23 youth led community projects across six Peruvian cities, showing how leadership and cross sector partnerships can support local SDG outcomes. | **David Martínez Flores**<br>NGO Young Peruvian Leaders, Peru<br>PERU<br>4 8 13 |
| **UTC 17:00–17:30**<br>CEST 19:00-19:30<br>BRT 14:00-14:30<br>EDT 13:00-13:30<br>PDT 10:00-10:30 | **Knowledge, Innovation and Partnerships for Climate Resilience**<br>Explores ways to connect science, policy and practice so climate adaptation research can support community level nature based solutions and resilient institutions. | **Makame Mahmud**<br>Environmental Researchers Bangladesh Platform, Bangladesh<br>BANGLADESH<br>13 |
| **UTC 17:30–18:00**<br>CEST 19:30-20:00<br>BRT 14:30-15:00<br>EDT 13:30-14:00<br>PDT 10:30-11:00 | **Peace is Better Than War**<br>Discusses the role of traditional Queen Mothers and women leaders in safeguarding land rights, mentoring youth and supporting peace, justice and equity. | **Princess Abumbi Prudence Sirri Ngwemutaa**<br>NGO Youth's and the Future, Cameroon<br>CAMEROON<br>5 16 |
| **UTC 18:00–18:30**<br>CEST 20:00-20:30<br>BRT 15:00-15:30<br>EDT 14:00-14:30<br>PDT 11:00-11:30 | **Healthy Soils for Sustainable Agriculture, Climate Resilience and Land Restoration**<br>Explores soil health as a foundation for food security and sustainable land management approaches that address degradation, desertification and climate adaptation. | **Muhammad Naeem Khan**<br>Independent Researcher, Pakistan<br>PAKISTAN<br>2 13 15 |
| **UTC 18:30–19:00**<br>CEST 20:30-21:00<br>BRT 15:30-16:00<br>EDT 14:30-15:00<br>PDT 11:30-12:00 | **Sustainable Food Production Systems: Learnings from Indian Farmers**<br>Examines traditional Indian agricultural practices and connects organic manure principles with modern sustainable crop management. | **Thomas Jacob**<br>Spices Board of India & Kerala Agriculture University, India<br>INDIA<br>3 12 15 |
| **UTC 19:00–19:30**<br>CEST 21:00-21:30<br>BRT 16:00-16:30<br>EDT 15:00-15:30<br>PDT 12:00-12:30 | **From Tipping Point to Turning Point: Climate Action for the Amazon**<br>Connects scientific urgency with practical pathways to prevent forest loss, safeguard Indigenous sovereignty and scale climate finance. | **Virgílio Viana**<br>Foundation for Amazon Sustainability FAS, Brazil<br>BRAZIL<br>13 17 |
| **UTC 19:30–20:00**<br>CEST 21:30-22:00<br>BRT 16:30-17:00<br>EDT 15:30-16:00<br>PDT 12:30-13:00 | **Seed Pelleting Technology: Principles, Applications and Future Opportunities**<br>Explores seed pelleting formulations that deliver biostimulants, nutrients and protection directly to seeds to improve precision sowing and early crop vigour. | **Hazib Ali**<br>Guizhou University, China<br>CHINA<br>2 |
| **UTC 20:00–20:30**<br>CEST 22:00-22:30<br>BRT 17:00-17:30<br>EDT 16:00-16:30<br>PDT 13:00-13:30 | **How Open Dumping Undermines SDG 6 and SDG 3: A Case Study from Ethiopia's Capital**<br>Examines health hazards and river contamination associated with the Repi dumpsite in Addis Ababa and the need for improved waste management. | **Demamu Tagele Haligamo**<br>Arba Minch University, Ethiopia<br>ETHIOPIA<br>3 6 11 |
| **UTC 20:30–21:00**<br>CEST 22:30-23:00<br>BRT 17:30-18:00<br>EDT 16:30-17:00<br>PDT 13:30-14:00 | **Sustainability Certifications in Argentina: Global and Local Standards**<br>Compares global standards including LEED and EDGE with local Argentine environmental frameworks used to implement verifiable sustainability measures. | **Lucila Martelli**<br>Sustainability Consultant, Argentina<br>ARGENTINA<br>11 12 13 |

# DAY 2 | 25 SEPTEMBER 2026

| UTC | SESSION | SPEAKER / SDGs |
|---|---|---|
| UTC 05:30–06:00<br>AEST 15:30-16:00<br>CST 13:30-14:00<br>IST 11:00-11:30<br>CEST 07:30-08:00 | **Occurrence and Contamination Levels of PCDDs and PCDFs in Soil and Sediment in the Vicinity of Recycle Waste Metal Casting Villages: Case Study in Vietnam**<br>PCDDs and PCDFs contamination in soils and sediments around recycled metal casting villages in Vietnam, highlighting key findings from recent investigations. | **Anh Tuan Nguyen**<br>ALGA<br>VIETNAM<br>3 6 12 |
| UTC 06:00–06:30<br>AEST 16:00-16:30<br>CST 14:00-14:30<br>IST 11:30-12:00<br>CEST 08:00-08:30 | **Delivering the SDGs Through a Circular Economy**<br>Outlines South Australia's Waste Strategy 2025 to 2030 and its approach to transitioning waste management systems towards greater circularity. | **Caitlin Smith**<br>Green Industries SA, Australia<br>AUSTRALIA<br>9 11 12 |
| UTC 06:30–07:00<br>AEST 16:30-17:00<br>CST 14:30-15:00<br>IST 12:00-12:30<br>CEST 08:30-09:00 | **Adaptive One Health Framework for Climate Resilience and Zoonotic Disease Mitigation**<br>Introduces a multidisciplinary One Health framework combining epidemiological surveillance and ecosystem modelling to address climate driven zoonotic disease risks. | **Wadiea Ibrahim Widaa**<br>Independent Researcher, Uganda<br>UGANDA<br>3 13 15 |
| UTC 07:00–07:30<br>AEST 17:00-17:30<br>CST 15:00-15:30<br>IST 12:30-13:00<br>CEST 09:00-09:30 | **Mobilising Climate Finance for Sustainable Development: Lessons from South Africa**<br>Reviews climate finance mechanisms and public private partnerships supporting low carbon agriculture, sanitation and resource management in South Africa. | **Collin Yobe**<br>University of Cape Town, South Africa<br>SOUTH AFRICA<br>12 13 17 |
| UTC 07:30–08:00<br>AEST 17:30-18:00<br>CST 15:30-16:00<br>IST 13:00-13:30<br>CEST 09:30-10:00 | **Smart Heritage, Smarter Communities: Advancing SDG 11 Through Digital Innovation in Nigeria**<br>Shows how QR enabled public infrastructure and community driven digital platforms can support tourism, access to local governance and heritage preservation. | **Lukman Olamilekan Salako**<br>African Institute for Heritage Intelligence, Nigeria<br>NIGERIA<br>8 9 11 |
| UTC 08:00–08:30<br>AEST 18:00-18:30<br>CST 16:00-16:30<br>IST 13:30-14:00<br>CEST 10:00-10:30 | **Advancing SDG 1 in Senegal: Nature Based Solutions and Sustainable Livelihoods**<br>Highlights community agroforestry, reforestation and nature based approaches that create sustainable economic opportunities in rural Senegal. | **Mouhamadou Traore**<br>ISFAR / ASAN, Senegal<br>SENEGAL<br>1 13 |
| UTC 08:30–09:00<br>AEST 18:30-19:00<br>CST 16:30-17:00<br>IST 14:00-14:30<br>CEST 10:30-11:00 | **Collaborative Approaches to Food Literacy for Achieving SDGs and Sustainable Food Systems**<br>Examines collaborative food literacy models involving educators, women and farmers to support healthier choices and reduce community food waste. | **Daya Goburdhun**<br>University of Mauritius / University of Malta, Mauritius<br>MAURITIUS<br>3 12 13 |
| UTC 09:00–09:30<br>AEST 19:00-19:30<br>CST 17:00-17:30<br>IST 14:30-15:00<br>CEST 11:00-11:30 | **Waste Management: Assessment of Students' Attitudes and Behaviour Toward Waste Disposal**<br>Examines student waste segregation habits and potential visual infrastructure improvements designed to narrow the gap between knowledge and practice. | **Marilyn Balmeo**<br>Saint Louis University, Philippines<br>PHILIPPINES<br>11 12 15 |
| UTC 09:30–10:00<br>AEST 19:30-20:00<br>CST 17:30-18:00<br>IST 15:00-15:30<br>CEST 11:30-12:00 | **Smart Agriculture: Robotics and Automation for the Crops of the Future**<br>Reviews agricultural robotics including autonomous navigation, computer vision and soft robotic gripping tools for delicate crop handling. | **Eduardo Navas**<br>Centre for Automation and Robotics CSIC UPM, Spain<br>SPAIN<br>2 9 |

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|---|---|---|
| **UTC 10:00–10:30**<br>**AEST 20:00-20:30**<br>**CST 18:00-18:30**<br>**IST 15:30-16:00**<br>**CEST 12:00-12:30** | **From Water to Market: Digital Technologies for Sustainable Food Systems**<br>Combines agricultural fundamentals with accessible digital marketing and irrigation tools to support smallholder productivity and market access. | **Bismarc Lopes da Silva**<br>Federal Institute of Education, Science and Technology, Brazil<br>BRAZIL<br>2 8 13 |
| **UTC 10:30–11:00**<br>**AEST 20:30-21:00**<br>**CST 18:30-19:00**<br>**IST 16:00-16:30**<br>**CEST 12:30-13:00** | **Adaptive Scientific Intelligence for Decision Making Under Uncertainty**<br>Introduces Adaptive Scientific Intelligence, a framework that combines environmental data with mechanistic models to support decisions across climate and land systems. | **Celio Soares de Souza**<br>São Paulo State University UNESP, Brazil<br>BRAZIL<br>2 13 15 |
| **UTC 11:00–11:30**<br>**AEST 21:00-21:30**<br>**CST 19:00-19:30**<br>**IST 16:30-17:00**<br>**CEST 13:00-13:30** | **Closing Remarks**<br>Final remarks, wrap up of the event and appointment to 2027 | **Marco Falconi, Paul Nathanail, Nicola Harries & Organising Committee**<br>International organising committee<br>GLOBAL |

REMTECH Europe

# NOT ONLY REMTECH EUROPE – ACTIVITIES & IDEAS

## CYCLETOURISM

Ferrara is the 'Italian city of bicycles'. Flat and surrounded by the water of the river Po and its tributaries, the entire Province of Ferrara is a richly evocative landscape in which land and water are the protagonists. From Cento to Comacchio, from the hinterland to the sea, there are hundreds of kilometres marked by a formidable network of cycling routes that wind between the city and the countryside, between protected oases and villages on the plains. There are simple and evocative routes such as the one along the banks of the Po River with restaurants along the way. The daily bicycle rental is 8 €. LINK FOR MORE INFO

## FERRARA CITY CENTRE IS UNESCO WORLD CULTURAL HERITAGE

Ferrara's historic centre was awarded from UNESCO the prestigious title of 'Renaissance City' in 1995 as an '*admirable example of a city designed in the Renaissance, which preserves its historic centre intact and expresses urban planning canons that have had a profound influence on the development of town planning in the following centuries*'. Some truly characteristic streets such as Via delle Volte, as well as the main square (today Piazza Trento e Trieste), beside which stands the Romanesque-Gothic Cathedral (1135). An extraordinary period began in the 12th century when the Este family settled in Ferrara, with the construction of the Castello Estense (1385), Palazzo Schifanoia (1385) and Palazzo dei Diamanti (1492). https://whc.unesco.org/en/list/733 Guided tour costi s 12€/person, LINK FOR MORE INFO

## THE HEART OF PO DELTA PARK ON HORSEBACK

The Delta breed horses, present at the Spiaggia Romea stud farm and of Camargue derivation, are ideal for peaceful walks immersed in the nature of the Po delta, thanks to their meek and docile temperament. Accompanied by a specialized guide, you can go horseback riding in an environment of extraordinary charm. Cost is 24€ INFO LINK

## THE COMACCHIO'S LAGOONS BY BOAT

Boat trips along the inner waterways of the mirror lagoon, a unique environment and spectacular home to flamingos. The guided tour includes a visit to the fishing stations. Cost is 14€. INFO LINK

## RELAX IN THE BEACHES IN "LIDI FERRARESI"

26 km of coast with beaches of white and thin sand, the seven Lidi Ferraresi are an ideal destination for a vacation at the sea with children, for the lover of open air activities and to relax. On its 26 km of coast 7 lidos follow one another: Volano, Nazioni, Pomposa, Scacchi, Porto Garibaldi, Estensi and Spina. All of them are characterized by safe beaches and equipped for families, with golden sand and a sea which reverses gently. INFO LINK

## VISIT BOLOGNA, VENICE, PADUA, FLORENCE, PISA, ROME

**Bologna** 35 min

**Venice** 1h15min

**Padua** 40 min

**Florence** 1h40min

**Pisa** 2h30min

**Rome** 2h50min

REMTECH Europe

# Remtech Europe Scientific Committee

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|---|---|
| Marco Falconi | ISPRA, Italy |
| Christian Andersen | Common Forum, Denmark |
| Diego Angotti | Italian Ministry for Ecological Transition |
| Thomas Aspray | Scottish Contaminated Land Forum, United Kingdom |
| Patrizia Bianconi | RemTech Expo, Italy |
| Iustina Popescu | IGR Romanian Geological Institute, RO |
| Johan Ceenaeme | OVAM, Belgium |
| Frederic Coulon | Aquaconsoil Chair, Cranfield University, UK |
| Said El Fadili | Brussels Capital Region and Irisnet, Brussels |
| Nicolas Fatin-Rouge | University of Bourgogne Franche-Comté, France |
| Stefanie Fiorenza | ASTM International, USA |
| Wouter Gevaerts | NICOLE - Network of Industrial Contaminated Land in Europe |
| Dominique Guyonnet | BRGM, FR |
| Josè Carlos Gouvea | NICOLE Latin America |
| Paola Grenni | National Research Council (CNR), Italy |
| Nicola Harries | CL:AIRE - Contaminated Land: Applications in Real Environments, United Kingdom |
| Deyi Hou | Tsinghua University, Beijing, China |
| Róbert Jelínek | State Geological Institute of Dionyz Stur, Slovakia |
| Edith Martinez-Guerra | US Army Corps of Engineers (USACE), USA |
| Dietmar Müller-Grabherr | UmweltBundesAmt, AT |
| Paul Nathanail | CABERNET, UK |
| Paula Panzino | ITRC, US |
| Matthew Potter | Australasian Land and Groundwater Association, Australia |
| Jussi Reinikainen | Finnish Environment Institute, Finland |
| Natalia Rodríguez Eugenio | FAO Food and Agriculture Organization |
| Juliana Rolla de Leo | FEAMIG Faculdade de Engenharia de Minas Gerais, Brasil |
| Rudi Ruggeri | National Geological Council, IT |
| Heidi Snyman | NICOLA Africa, South Africa |
| Claudio Sorrentino | California Department of Toxic Substances Control, US |
| Elena Stefanoni | UNEP, Austria |
| Frank Swartjes | National Institute for Public Health and the Environment, NL |
| Nino Tarantino | Illegal Landfills Extraordinary Commissioner Office, Italy |
| Laurent Thannberger | Réseau National d'Expertise Scientifique et Technique sur les sols (RNEST), France |
| Pavlos Tyrologou | EFG European Federation of Geologists, Brussels-Belgium |
| Mentore Vaccari | University of Brescia, Italy |
| Antonella Vecchio | National Health Institute ISS, Italy |
| Erika von Zuben | Associação Brasileira das Empresasde Consultoria e Engenharia Ambiental, Brasil |
| Piotr Wojda | JRC - European Commission |

# Remtech Europe Organizing Committee

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|---|---|
| Marco Falconi | ISPRA, IT |
| Patricia Ruiz | AESAS, BR |
| Lana Kukobat | Belgrade University, RS |
| Paola Grenni | National Research Council (CNR), IT |
| Iustina Popescu | IGR Romanian Geological Institute, RO |
| Emanuela Crognale | University of Camerino, IT |
| Evelina Folino | ARPAE, IT |
| Stefano Fabiano | Arpa Lombardy, IT |
| Nazare Couto | NOVA University, PT |
| Vivian Parron | SENAC, BR |

# Sustainathon Organizing Committee

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|---|---|
| Marco Falconi | ISPRA, Italy |
| Paul Nathanail | CABERNET, UK |
| Nicola Harries | CL:AIRE - Contaminated Land: Applications in Real Environments, United Kingdom |
| Natalia Rodriguez Eugenio | FAO Food and Agriculture Organization |
| Piotr Wojda | JRC - European Commission |
| Patricia Ruiz | AESAS, Brasil |
| Olcay Unver | WATER POLICY GROUP |
| Sabine Apitz | Society of Environmental Toxicology and Chemistry (SETAC) |
| Paola Grenni | CNR, Italy |
| Matthew Potter | ALGA, Australia |
| Luciana Ferreira | Nicole Latin America |
| Giovanna Pagnozzi | Consultant, US |
| Scott Warner | University of Newcastle, Australia |

# Sustainathon Secretariat

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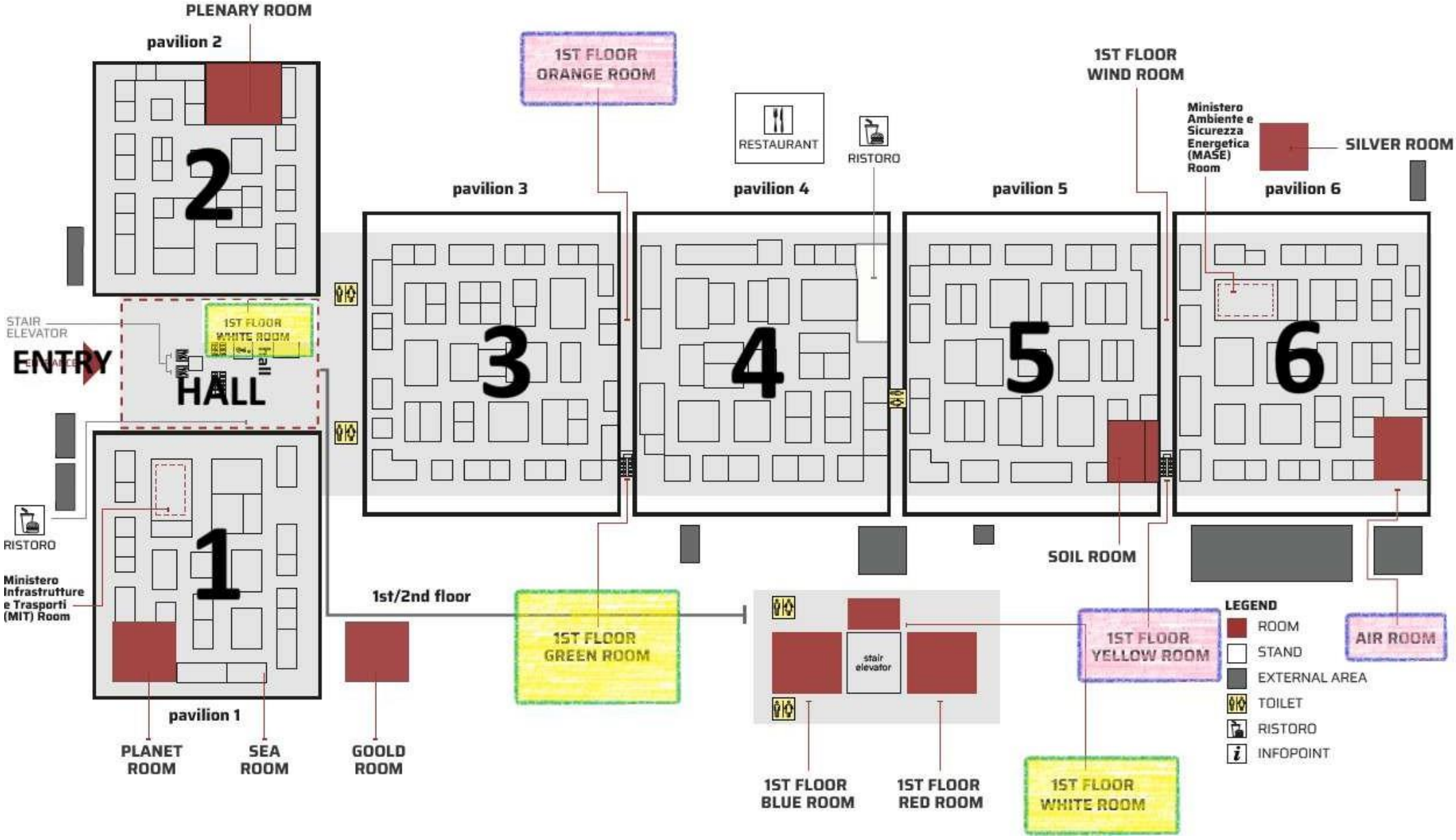
|---|---|
| Emanuela Crognale | FAST, Italy |
| Lana Kukobat | University of Belgrade, Serbia |

# REMTECH EUROPE AMBASSADORS

# MAP OF THE CONFERENCE VENUE – IT IS BIG, DO NOT GET LOST!

To find the room for the session you would like to attend, please use the map provided below. The main RemTech Europe rooms are highlighted in yellow. The White Room is located in the Hall: simply take the stairs or elevator to the first floor. The Green Room is located after Hall 3, just before entering Hall 4; the stairs are on your right. A few additional sessions will take place in rooms highlighted in pink. The Orange Room is also located after Hall 3, just before entering Hall 4, with the stairs on your right. The Yellow Room is located after Hall 5, just before entering Hall 6, with the stairs on your right. The Air Room is located inside Hall 6, on the right-hand side.