



This project has received funding from the European Union's Horizon Europe HORIZON-MSCA-RISE-2020 under Grant Agreement No. 101007642.
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PHYTOAPP

Research and Innovation Staff Exchange (Marie Skłodowska-Curie Actions Staff Exchange)

HORIZON-MSCA-SE-2021

“PhytoAPP 101007642”



ODA E 2025 Conference

Liberty Lykia Hotel

Faralya Mah. Kıdrak Sokak 6 48330

Ölüdeniz / Türkiye

GMT+03:00 (Istanbul Time)

ONLINE TEAMS

Link: [Click here to join](#)

Meeting ID: 334 338 336 570

Passcode: SF7Qm7Jk

Note: Each 25-minute presentation slot includes Q&A





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PHYTOAPP

Tuesday, September 2nd

GMT+03:00 (Istanbul Time)

16:00 – **Welcome and Registration at the Hotel Lobby**

Wednesday, September 3rd

09:00 - 09:10 – **Welcome and Opening Remarks**

Prof. Svitlana Lyubchyk and Prof. Sergiy Lyubchyk

MORNING SESSION

09:10 - 09:35 – Talk 1: ***Humidity-to-electricity conversion basics***

Prof. Andriy Lyubchyk, CASCATACHUVA LDA (Portugal) (CASCATA) – CATCHER

09:35 - 10:00 – Talk 2: ***Coordination compounds of lanthanides as precursors of functional materials***

Prof. Oleksandra Berezhnytska, Vernadsky Institute of General and Inorganic Chemistry NASU (Ukraine) (IGIC NASU) – DETMED

10:00 - 10:25 – Talk 3: ***Determination of the optimal conditions of low cost synthesis of Ce³⁺ doped YAG uniform nanoparticles with green-yellow luminescence***

Dr. Artem Shylo, Nanomaterials R&D Sp. z o.o. (Poland) (NRD) – DETMED

10:25 - 10:50 – Talk 4: ***Optical sensor market, applications and prospects***

Prof. Orkhan Rasulov, Elmék Mozgásban Alapítvány (Hungary) (MIMF) – DETMED

10:50 - 11:05 – Coffee Break

Note: Each 25-minute presentation slot includes Q&A





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11:05 - 11:30 – Talk 5: ***Optical and luminescence characteristics of YAG:Ce***

Prof. Valerii Kidalov, TU Dortmund (Germany) (TUDO) – DETMED

11:30 - 11:55 – Talk 6: ***The JSI TRIGA reactor and radiation hardness testing (online)***

Prof. Klemen Ambrožič, Institut Jožef Stefan (Slovenia) (IJS) – DETMED

11:55 - 12:20 – Talk 7: ***Development of integrated spectrometers based on SiPM sensors***

Prof. Michael Holik, University of West Bohemia (Czech Republic) (UWB) – DETMED

12:20 - 12:45 – Talk 8: ***On New Possibilities for Improving the Operating Parameters of the MAPD Detectors***

Prof. Ziraddin Sadigov, Institute of Radiation Problems (Azerbaijan) (IRP) – DETMED

12:45 - 13:10 – Talk 9: ***Advanced Capabilities of Next-Generation SiPMs in Radiation Spectroscopy***

Prof. Azer Sadigov, National Nuclear Research Center (Azerbaijan) (NNRC) – INNMEDSCAN

13:10 - 14:40 – Lunch Break

AFTERNOON SESSION

14:40 - 15:05 – Talk 10: ***Improvement and Development of the GaN-HEMT-Based Sensor for Tomographic Scanner Applications***

Prof. Ercan Yilmaz, Physics Department, Bolu Abant Izzet Baysal University (Turkey) (BAIBU) – INNMEDSCAN

15:05 - 15:30 – Talk 11: ***Electronics for SiPM sensors in timing performance demanding application***

Note: Each 25-minute presentation slot includes Q&A





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Prof. Michael Holik, Czech Technical University in Prague (Czechia) (CVUT) –
INNMEDSCAN

15:30 - 15:45 – Coffee Break

15:45 - 16:10 – Talk 12: ***Study of spectral sensitivity of MAPD (online)***

Prof. Dmitro Stratilat, Institute for Nuclear Research NAS of Ukraine (Ukraine) (INR)
– INNMEDSCAN

16:10 - 16:35 – Talk 13: ***Innovative Water-Soluble Phytomaterial Inhibitors for Alzheimer's and Parkinson's Diseases Prevention***

Prof. Sergiy Lyubchuk, Lusófona University (Portugal) (COFAC) – PhytoAPP

16:35 - 17:00 – Talk 14: ***Amyloid Aggregation: Inhibition Strategies and Emerging Biotechnological Applications***

Dr. Katarina Siposova, Institute of Experimental Physics SAS (Slovakia) (IEP) –
PhytoAPP

17:00 - 17:25 – Talk 15: ***Neuroprotection Through Antioxidant Nanomaterials: In Vivo Insights from the PhytoAPP Project***

Prof. Daniel C. Anthony, University of Oxford (UK) (UOXF) – PhytoAPP

17:25 - 17:50 – Talk 16: ***DeepTechLab***

Prof. Svitlana Lyubchuk, Associação DeepTechLab (Portugal) (DTL) – E-NOSE

PARALEL SESSIONS / ROUND TABLES – SEPTEMBER 3RD

15:30 - 17:00 – ***Round Table: DETMED (Parallel Session with project consortium)***

Teams Link for online participation: [Click here](#)

20:00 - 22:00 – Conference Networking Dinner

Note: Each 25-minute presentation slot includes Q&A





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Thursday, September 4th

09:00 - 09:10 – Welcome and Opening Remarks

Prof. Svitlana Lyubchyk and Prof. Sergiy Lyubchyk

Morning Session

09:10 - 09:35 – Talk 1: ***TEDU & AGU Team: Introducing Our Work on Sustainability, Resilience and Renewable Energy***

Prof. Nazire Nergiz Dinçer, TED Universitesi (Turkey) (TEDU)

09:35 - 10:00 – Talk 2: ***Remote Sensing of Land Degradation - results of EWALD project***

Prof. Olena Dubovyk, Universität Hamburg (Germany) (UHH) – EWALD

10:00 - 10:25 – Talk 3: ***Land degradation assessment, mapping, and prediction using Earth observation products data cubes: Zagora test region (Morocco) results and validation***

Prof. Sergey Stankevich, Scientific Centre for Aerospace Research of the Earth, NASU (Ukraine) (CASRE) – EWALD

10:25 - 10:50 – Talk 4: ***GIS Software, Different Software Solutions and Their Usage (online)***

Prof. Patrik Rusnak, University of Zilina (Slovakia) (UNIZA) – EWALD

10:50 - 11:05 – Coffee Break

11:05 - 11:30 – Talk 5: ***EWALD Project in ArcGIS ONLINE Portal WEB Applications***

Prof. Dmytro Vdoviko, ECOMM CO LLC (Ukraine) (ECOMM) – EWALD

11:30 - 11:55 – Talk 6: ***Preliminary analysis of the degradation of the oases of the Der Valley, Moroccan Test Site for the EWALD project (online)***

Note: Each 25-minute presentation slot includes Q&A





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Prof. Hassan Ibouh & Daoud Mezzane, Cadi Ayyad University & Resource Engineering Company (Morocco) (UCAM/RESING) – EWALD

11:55 - 12:20 – Talk 7: **2- Seismic risk a in the Ouarzazate and Haouz province** (online)

Dr. Bouchra Sadiq & Edoudi Abderrahmane, Cadi Ayyad University (Morocco) (UCAM) – EWALD

12:20 - 12:45 – Talk 8: **Faculty of Technology Novi Sad** (online)

Prof. Tamara Erceg, University of Novi Sad (Serbia) (FTNS) – E-NOSE

12:45 - 13:10 – Talk 9: **Assessment of Two-Dimensional Borophene as a Candidate Material for Sensor-Based Applications** (online)

Prof. Dr. Mirac Kamislioglu, Bandirma Onyedi Eylul University (Turkey) (BANU) – E-NOSE

13:10 - 14:25 – Lunch Break

Afternoon Session

14:25 - 14:50 – Talk 10: **NanoPhoenix Smart Surfaces for Electrochemical Liquid Biopsy Platforms: Toward Scalable Point-of-Care Diagnostics** (online)

Dr. Pietro Capaldi, NanoPhoenix S.R.L. (Italy) (NPH) – E-NOSE

14:50 - 15:15 – Talk 11: **The first measurements of human exhalation by a projected nanopowder multisensor.**

Prof. Zhanna Mezentseva, Institute of Materials Science, Academy of Sciences of Uzbekistan (Uzbekistan) (IMS) – E-NOSE

15:15 - 15:30 – Coffee Break

15:30 - 15:55 – Talk 12: **Si-Sn thin films fabricated by Radio-frequency (RF) magnetron sputtering for humidity sensing applications** (online)

Dr. Neeraj Kumar, Lusófona University (Portugal) (COFAC)

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15:55 - 16:20 – Talk 13: *Synthesis of new water-soluble salts of benzofuroxans and study of biological properties*

Dr. Nurgali Akylbekov, Korkyt Ata Kyzylorda University (Kazakhstan) (KKSU) – PhytoAPP

16:20 - 16:45 – Talk 14: *IST MICRO SENSOR TECHNOLOGIES INC.: Semiconductor devices (online)*

Prof. Cebraail Karaarslan, IST Micro Sensor Teknolojileri A.S. (Turkey) (IST) – HSAFE

16:45 - 17:10 – Talk 15: *Nanopowder E-Nose technology: the current state of affairs*

Prof. Aleksandr Doroskevich, Institute of Materials Science, Academy of Sciences of Uzbekistan (Uzbekistan) (IMS) – E-NOSE

17:10 - 17:35 – Talk 16: *Spatial Bias Correction of ERA5_Ag Reanalysis Precipitation Using Machine Learning models in semi-arid region of Morocco (online)*

Chakri et al., Cadi Ayyad University (Morocco) (UCAM) – EWALD

PARALEL SESSIONS / ROUND TABLES – SEPTEMBER 4TH

11:00 - 12:30 – Round Table: *INNMEDSCAN (Parallel Session with project consortium)*

Teams Link for online participation: [Click here](#)

15:30 - 17:00 – Round Table: *E-NOSE (Parallel Session with project consortium)*

Teams Link for online participation: [Click here](#)

Note: Each 25-minute presentation slot includes Q&A





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Friday, September 5th

10:00 - 13:00 – Kick-off Meeting: HSAFE

Teams Link for online participation: [Click here](#)

13:00 – 14:30 – Lunch Break

14:30 - 16:00 – Kick-off Meeting: HSAFE (Closing remarks)

PARALEL SESSIONS / ROUND TABLES – SEPTEMBER 5TH

13:00 - 14:30 – **Round Table: EWALD (Parallel Session with project consortium)**

Teams Link for online participation: [Click here](#)

20:00 - 23:00 – Final Conference Dinner

Note: Each 25-minute presentation slot includes Q&A

