

Eco-innovation for air quality

5 - 6 February 2018
Sofia, Bulgaria

21st European Forum
on Eco-innovation

http://ec.europa.eu/environment/ecoinnovation2018/1st_forum/index_en.html

DRAFT AGENDA

Venue: **Sofia Tech Park JSC**, John Atanasoff Innovation Forum building,
111, Tsarigradsko Shose Blvd, BG-1463 Sofia, Bulgaria

Moderator: Peter Woodward

Monday 5 February 2018

10:00 **Cultural Tour: "St. Alexander Nevski" Cathedral Temple and Saint Sofia Church**

12:30 **Registration and light lunch**

13:30 **Session 1 — Framing the Forum** (plenary)  en/bg

[Welcome message and opening remarks](#)

- 1) **Videomessage from Karmenu Vella**, *European Commissioner for Environment, Maritime Affairs and Fisheries*
- 2) **Neno Dimov**, *Minister for Environment and Water, Bulgaria*
- 3) **Daniel Calleja Crespo**, *Director General, Directorate-General for the Environment, European Commission*
- 4) **Ivelina Vassileva**, *Chairperson, Environment and Water Committee, Chair, Committee on Regional Development, National Assembly of the Republic of Bulgaria*
- 5) **Iskra Mihaylova**, *Member of the European Parliament, Chair of the Committee on Regional Development*

[Air quality — key research, policy and issue areas](#)

Presentations will frame the Forum, providing an overview of the air quality challenge facing Europe, the policy response from governments on the European, national and local level, and the innovation landscape.

An introduction to the key energy, transport and agricultural issues that will be discussed in detail later during the Forum will also be given.

Speakers:

- 1) **Air quality - the way forward: Yoanna Hristova**, *Deputy Mayor for "Green System, Ecology and Land Reform", Sofia Municipality*
- 2) **European Air Quality Index: Paul McAleavey**, *Head of Air and Climate Change (ACC), European Environment Agency*
- 3) **The need for private and public sector partnership in environmental policy and beyond: Iravan Hira**, *Chairman, Bulgarian Business Leaders Forum, Managing Director, Hewlett Packard Bulgaria and Hewlett Packard Global Delivery Bulgaria Center*

- 4) **Improving welfare through accelerated deployment of renewables:** Elizabeth Press, *Director, Planning and Programme Support, International Renewable Energy Agency (IRENA)*
- 5) **AIRLAB, an innovation accelerator dedicated to air quality:** Pierre Pernot, *Head, Partnerships and Digital team, AIRPARIF*

Introduction to the 'ConverStations' process

15:30 **Coffee break**

16:00 **Session 2 — Energy and air quality ConverStations**

This session will not be interpreted.

An interactive session **showcasing companies, municipalities, and public and private sector initiatives that have succeeded in developing and deploying effective new technologies, or innovative business and governance models, for the reduction of air pollution originating from energy use.**

The session will offer a wide range of case studies (presented simultaneously), and participants will be able to choose three presentations and group discussions to attend. Participants can choose three out of 18 case studies (30 minutes each).

Case studies:


- 1) **Wood burning impact on air quality in Lombardy - Analysis and perspectives:** Guido Lanzani, *Head of Air Quality Unit, Environmental Monitoring Area, ARPA Lombardia, Italy*
- 2) **Improving air quality through smart solutions - The GrowSmarter project:** Gustaf Landahl, *Head of Department, Environment and Health Administration/Planning and environment department, City of Stockholm, Sweden*
- 3) **Smart Clean Air City project — l'Aquila:** Paolo Tripodi, *Board of Directors, Chief Innovation & Technology Officer, IS CLEAN AIR, Italy*
- 4) **The LIFE-IP PREPAIR project — Po regions engaged with air policy:** Katia Raffaelli, *Project Manager LIFE IP PREPAIR, Emilia-Romagna Region, General Directorate for Territorial and Environmental Care*
- 5) **Helsinki Air Quality Testbed — New groundbreaking concepts for air quality monitoring and citizen services:** Hannamari Jaakkola, *Business Development Manager, Vaisala Oyj, Finland*
- 6) **Residential wood burning and the smart cities approach in mitigating its impacts:** Evangelos Gerasopoulos, *Research Director, Institute for Environmental Research and Sustainable Development, National Observatory of Athens (NOA), Greece*
- 7) **CleanOx for Cleaner Air:** Tunç Görüney, *Corporate Energy and Environmental Manager, Şişecam, Turkey*
- 8) **CLEAN HEAT project — Pollution from residential burning; impact and solutions:** Jens Hürdler, *Project Manager Transport and Air Quality, Environmental Action Germany (DUH)*
- 9) **iSCAPE – Improving the Smart Control of Air Pollution in Europe:** Dr Salem Gharbia, *Post-doctoral Research Fellow, University College Dublin*
- 10) **EU H2020 programme:** Vincenzo Gente, *Project Officer, Executive Agency for Small and Medium-sized Enterprises (EASME)*
- 11) **Activities of Ecomanagers within the LIFE IP MALOPOLSKA:** Joanna Kiersnowska, *LIFE Project Specialist, Air Quality Unit in Environmental Department, Marshal Office, Malopolska Region, Poland*

- 12) **Sustainable Lead Production at KCM AD: Yavor Kehaiov**, *Director “Occupational Health and Safety, Environment & Management Systems”*, KCM AD, Plovdiv, Bulgaria
- 13) **Advanced flue gas treatment technology: Pierluigi Cassaghi**, *SOLVAir Regulation and Business Development Manager*, Solvay S.A, France
- 14) **EXERON - Sustainable green power supply on seven continents: Elena Gatcheva**, *VP Strategic Partnerships*, International Power Supply AD, Bulgaria
- 15) **Rocket Heater Gamera – Highly efficient wood stoves: Zhivko Stefanov**, *Executive Director*, AGNON LTD, Bulgaria
- 16) **Ingersoll Rand Climate Commitment - Investment in new technologies for a sustainable today and tomorrow: Dermott Crombie**, *Vice President, Strategic Initiatives*, Ingersoll Rand
- 17) **20 years track of environment projects in Aurubis Bulgaria: Krum Neykov**, *Gas Cleaning Installation Manager*, Aurubis Bulgaria
- 18) **Plastics, an innovative enabler of energy efficiency and climate protection: Giuseppe Riva**, *Director Mediterranean Region*, PlasticsEurope

17:30 **Bulgarian solution swap (plenary)**  en/bg

The issue of air pollution from low quality domestic heating, which is key air quality issue facing Bulgaria, will be highlighted, and Forum participants will be invited to provide creative solutions.

Introduction made by **Nikolay Kozarev**, *Head of Department*, Department of Environmental Engineering, University of Chemical Technology and Metallurgy, Bulgaria

18:15 **Drawing together key strands from the first day and previewing the second day of the event (plenary)**  en/bg

18:30 **End of Day 1**

18:30 **Cocktail reception**

Tuesday 6 February 2018

09:00 **Welcome coffee**

09:15 **Session 3 — Focus on issues**  en/bg

Agriculture and air quality (plenary)

Plenary presentations will address the key issues, and the potential for innovative solutions on how to reduce air pollution originating from the agricultural sector.

Speakers:

- 1) **Reduction of ammonia emissions under the Rural Development Programmes: Angelo Innamorati**, *Policy Officer*, DG Agriculture and Rural Development, European Commission
- 2) **Contribution of mineral fertilisers to better air quality in Europe: Tiffanie Stéphani**, *Agriculture and Environment Manager*, Fertilizers Europe
- 3) **Mitigating emissions from animal houses in Flanders (Belgium): Peter Demeyer**, *Advisor*, Institute for Agricultural and Fisheries Research (ILVO), Government of Flanders

- 4) **ATMOSYS, a web-based system to assess the local impact of agro-industrial sources:** *Stijn Janssen, Program Manager - Environmental Modelling, VITO*
- 5) **Cutting air pollution from agriculture:** *Margherita Tolotto, Air and Noise Policy Officer, European Environmental Bureau*
- 6) **Protecting the environment through reduction of Ammonia emissions from Slurry:** *Quentin Kelly-Edwards, JH Agro Regional Manager for United Kingdom & Republic of Ireland, JH Agro A / S and Kurt West, Technical Salesman, JH Agro A / S*

Introduction to the 'ConverStations' process

10:30 **Coffee break**

11:00 **Session 4 — Transport and air quality ConverStations**

This session will not be interpreted.

An interactive session **showcasing companies, municipalities, and public and private sector initiatives that have succeeded in developing and deploying effective new technologies, or innovative business and governance models for reducing air pollution originating from transport.**

The session will offer a wide range of case studies (presented simultaneously), and participants will be able to choose three presentations and group discussions to attend. Participants can choose three out of 19 case studies (30 minutes each).

Case studies:

- 1) **Brenner Lower Emission Corridor (LIFE project):** *Laura Pretto, Technical civil servant, environmental protection agency (APPA), Autonomous Province of Trento, Italy*
- 2) **SIGEIF Mobilités — Developing a broad network of natural gas vehicle (NGV) refuelling stations in the Paris region:** *Christophe Poillion, Vice President in charge of European Affairs, GRTgaz*
- 3) **Global system for sustainable traffic emissions management with RSD Technology:** *Dolores Hidalgo, R&D Projects Scientific Manager, Fundación CARTIF*
- 4) **How we eliminated the NOx problem from Copenhagen buses:** *Annika Isaksson, CEO, Amminex Emissions Technology, Sweden*
- 5) **SME Instrument:** *Marco Rubinato, Project Officer, EASME, Executive Agency for SMEs - European Commission*
- 6) **LIFE FOR SILVER COAST – Integrated mobility solutions:** *Antonino Tripodi, CEO, UNeed.IT/Technical manager, LIFE_SC project, Italy*
- 7) **Putting organisational travel planning into practice – Sustainable commuting and its upscaling to municipal level:** *Csaba Mezei, Project manager, Expert (Smart Cities and Mobility), Regional Environmental Center for Central and Eastern Europe (REC)*
- 8) **IMPROVE LIFE project is testing measures that can reduce PM concentrations in platforms and inside trains:** *Teresa Moreno, Senior Researcher, Spanish National Research Council (CSIC)*
- 9) **Innovative PV 2 DC grid solutions in the Public Transport Grid:** *Krasen Mateev, Chief Operations Officer, SolarPro Holding AD, Bulgaria*
- 10) **The future of urban mobility:** *Galin Bonev, Founder and CEO, Eljoy Bikes, Bulgaria*
- 11) **Sofia Urban Challenge – The first open innovation initiative on clean air in Bulgaria:** *Mariyana Hamanova, Founder and Managing Partner, Cleantech Bulgaria*
- 12) **Electric vehicle car sharing and charging stations infrastructure:** *Stefan Spassov, CEO, eMobility International (Eldrive); Ride Share Bulgaria (SPARK)*

- 13) **Speedy electric vehicle fleet for city deliveries:** **Danail Danailov**, *Member of the Board (responsible for strategy and business development)*, Speedy JSC, Bulgaria
- 14) **An innovative method for solid particle filter cleaner and catalysts:** **Angel Stanev**, *Marketing Manager, Innovation*, DPF Cleaning Machine, Bulgaria
- 15) **Shell - helping to reduce air quality impacts from transport:** **Kamelia Slaveykova** *Country Chair*, Shell Bulgaria & Greece
- 16) **LIFE 'N Grab HY!: Hydrogen electric hybrid refuse collection vehicles to enhance air quality and reduce noise:** **Stefan Neis**, *Project Manager*, WaterstofNet VZW
- 17) **Improving air quality through better, cleaner and more efficient fuels:** **Ewa Abramiuk-Lété**, *Secretary General*, European Fuel Oxygenates Association (EFOA)
- 18) **Assessment of public health co-benefits from traffic related emission policies in Thessaloniki (ICARUS project):** **Prof. Dimosthenis A. Sarigiannis**, *Director*, Environmental Engineering Laboratory, Chemical Engineering Department, Aristotle University of Thessaloniki University, School of Engineering, *ICARUS Coordinator*, Greece
- 19) **Remote sensing — Measuring emissions from cars as they pass by:** **Herbert Woopen**, *Lawyer, EU Representative*, OPUS, Germany

12:30 **Lunch**

13:30 **Session 5 — Financial support measures** (*plenary*)  en/bg

Presentations will introduce major financing mechanisms and outline the opportunities that exist on the European level to drive early transformation to a clean air economy

- 1) **EU H2020 programme:** **Vincenzo Gente**, *Senior Project Adviser*, EASME, Executive Agency for SMEs - European Commission
- 2) **SME Instrument (including the Innovation Council):** **Marco Rubinato**, *Project Officer*, EASME, Executive Agency for SMEs - European Commission
- 3) **LIFE Programme:** **Santiago Urquijo Zamora**, *Policy Officer*, LIFE Programme Unit, Directorate-General for the Environment, European Commission
- 4) **European Funds for Competitiveness:** **Kalin Marinov**, *Deputy Director General*, Directorate General, European Funds for Competitiveness, Ministry of Economy, Republic of Bulgaria

14:30 **Coffee break**

14:45 **Session 6 — Forum messages** (*plenary panel*)  en/bg

A high-level panel will discuss key messages from the Forum (introduced by the rapporteur) and identify recommendations and messages for key stakeholder groups, e.g. the European Commission, Member States, and cities.

Panellists:

- 1) **Timo Mäkelä**, *Senior Advisor*, Sitra, Finnish Innovation Fund
- 2) **Andrzej Gula**, *Co-founder and Leader*, Polish Smog Alert and *President*, Institute of Environmental Economics
- 3) **François Wakenhut**, *Head of the Clear Air Unit*, Directorate-General for the Environment, European Commission
- 4) **Joana Cruz**, *Policy Advisor for environmental affairs*, EUROCITIES
- 5) **Anna Engleryd**, *Chair*, UNECE Air Convention (CLRTAP)
- 6) **Boyan Rashev**, *Partner Manager*, Denkstatt Bulgaria









15:45






Closing remarks

- 1) **François Wakenhut**, *Head of the Clear Air Unit*, Directorate-General for the Environment, European Commission
- 2) **Atanaska Nikolova**, *Deputy Minister of Environment and Water of Bulgaria*

16:00

Close**Exhibitors during the Forum:**

1	LIFE Programme		At the LIFE stand, an expert from the LIFE communications team will provide information about the funding opportunities of LIFE as well as the contribution of the programme to air quality.
2	Project PREPAIR and on their Air Quality Plan		Presentation of the LIFE-IP PREPAIR 'Po Regions Engaged to Policies of Air' project, co-financed by the EC and started at the beginning of the 2017.
3	AID Air pollution Intelligent Defense		An intelligent multi-agent monitoring network for real time air quality assessment and decision making and action implementation support for public health protection. The pilot case of the City of Thessaloniki.
4	AGNON Ltd Wood stoves build on the principle of the rocket mass heater		Wood stoves - product demonstration and video presentation.
5	Eljoy Bikes		Electric bicycles, made in Bulgaria.
6	IPS The Most Advanced OFF-GRID System		Photo exhibition of IPS reference projects. Telling the story of electrifying off-grid/remote locations with the innovative technology EXERON in an environmentally sustainable way.
7	Experts Ltd Innovation DPF Cleaning Machine		The Innovation DPF Cleaning Machine aims at being an affordable and sustainable way to recycle DPF/FAP filters for diesel powered machines and catalysts for gas powered machines. The presentation will be in two parts: visual presentation and demonstration of the cleaning process.
8	SOLVair solutions		Flue gas cleaning technologies can be implemented quickly with low capex, and highly efficient in treating acid gas produces by combustion and industrial processes. These technologies can be associated with other ones to improve the performances reaching the new limits.

9	Shell		Shell Eco-marathon cars of the students from Bulgarian high schools and universities and the 10 framed drawings from student's (finalists) competition "Green transport of the future".
10	Elprom EMZ Charging stations for electric vehicles		Charging station for electric vehicles Demonstration and real product exposure
11	Vaisala Oyj		A new ground-breaking Air Quality Testbed in the city of Helsinki will be presented. The Testbed puts together new high-end air quality sensors, high resolution air quality modelling and various research activities. As a result of the Testbed Helsinki citizens are going to enjoy of several improved services related to air quality forecasting, traffic planning and city design activities.
12	KCM		KCM 2000 Group owns the biggest lead and zinc smelter in South East Europe – KCM AD. In 2014 the old lead smelting facility was replaced by a state-of-the-art installation. This milestone environmentally-orientated investment project resulted in 35% reduction in electricity consumption; increase in the share of the processed secondary lead bearing feed materials; reduced and warranted sulphur dioxide emissions at the stack, as well as lead and cadmium emission levels; and, last but not least, 50% decrease in the greenhouse gases emitted into the atmosphere.
13	NanoBoost Ltd		NanoBoost has a patented solution in the form of innovative Nano Structured Fuel Additive that can drastically reduce motor vehicle emissions. We are going to bring some experiment results and sample products to exhibit.

Organised by:

