

TURKEY IN HORIZON 2020 PROJECT

ALTUN/HORIZ/TR2012/0740.14-2/SER/005

INTERNATIONAL BROKERAGE EVENT

'CITIES OF THE FUTURE 2016'

INTERCONTINENTAL HOTEL, ISTANBUL, TURKEY

FRIDAY, 30TH SEPTEMBER 2016

'Smart and Sustainable Cities' and 'Energy Efficient Buildings'
'Sustainable Process Industries' and 'Circular Economy'
'The European Green Vehicles Initiative'
'Factories of The Future'

Organized by the 'Turkey in Horizon 2020' Project and TUBITAK National Coordination Office for the EU Framework Programmes

09:00-09:30 **Registration**

09:30-10:00 **Welcome Addresses**

- Prof Dr Arif ERGİN, President of TÜBİTAK
- Ms. Emine DÖĞER, President of Central Finance and Contracts Unit (tbc)
- Head of Delegation of the European Union to Turkey (tbc)
- Dr Faruk ÖZLÜ, Turkish Minister of Science, Industry and Technology

10:00-10:30 **Keynote Speech**

- Robert Jan SMITS, Director General, DG Research & Innovation, European Commission (tbc)

Poster exhibitions are available between **11.00- 17.30**

10:30-11:00 *Coffee Break*

11:00-13:00 **Workshop 1** SPIRE and Circular Economy

VIP Speakers:

- Eco-Innovation, Research & Innovation DG (tbc)
- Research & Innovation DG (tbc)

Parallel Workshops

Presentation of Proposal Ideas

Workshop 3 Factories of the Future

VIP Speaker:

- Advanced Manufacturing Systems and Biotechnologies, Research & Innovation DG (tbc)

Workshop 2 Smart and Sustainable Cities and Energy Efficient Buildings

VIP Speakers:

- Sustainable Management of Natural Resources, Research & Innovation DG (tbc)
- Project Officer, DG RTD(tbc)
- Energy Research Unit, INEA (tbc)

Workshop 4 The European Green Vehicles Initiative

VIP Speaker:

- Research and Innovation, Surface Transport Unit(tbc)

13.00-14:00 *Lunch*

14:00-17:30 **One-to-One Partnering Meetings and Networking**

17:30 *Closure*

TURKEY IN HORIZON 2020 PROJECT

ALTUN/HORIZ/TR2012/0740.14-2/SER/005

SELECTED TOPICS:

Workshop 1 SPIRE-Circular Economy Session

- SPIRE-07-2017: Integrated approach to process optimisation for raw material resources efficiency, excluding recovery technologies of waste streams
- SPIRE-08-2017: Carbon dioxide utilisation to produce added value chemicals
- SPIRE-09-2017: Pilot lines based on more flexible and down-scaled high performance processing
- SPIRE-10-2017: New electrochemical solutions for industrial processing, which contribute to a reduction of carbon dioxide emissions
- SPIRE-11-2017: Support for the enhancement of the impact of SPIRE PPP projects
- SPIRE-12-2017: Assessment of standardisation needs and ways to overcome regulatory bottlenecks in the process industry
- SPIRE-13-2017: Potential of Industrial Symbiosis in Europe
- CIRC-01-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects (Systemic services for the circular economy)
- CIRC-02-2017: Water in the context of the circular economy (Towards the next generation of water systems and services– large scale demonstration projects)
- EE-17-2016-2017: Valorisation of waste heat in industrial systems

Workshop 3 Factories of the Future

- FOF-06-2017: New product functionalities through advanced surface manufacturing processes for mass production
- FOF-07-2017: Integration of unconventional technologies for multi-material processing into manufacturing systems
- FOF-08-2017: In-line measurement and control for micro-/nano-enabled high-volume manufacturing for enhanced reliability
- FOF-09-2017: Novel design and predictive maintenance technologies for increased operating life of production systems
- FOF-10-2017: New technologies and life cycle management for reconfigurable and reusable customised products
- FOF-12-2017: ICT Innovation for Manufacturing SMEs (I4MS)

Workshop 2 Smart and Sustainable Cities and Energy Efficient Buildings

- EEB-05-2017: Development of near zero energy building renovation
- EEB-06-2017: Highly efficient hybrid storage solutions for power and heat in residential buildings and district areas, balancing the supply and demand conditions
- EEB-07-2017: Integration of energy harvesting at building and district level
- EEB-08-2017: New business models for energy-efficient buildings through adaptable refurbishment solutions
- EE-12-2017: Integration of Demand Response in Energy Management Systems while ensuring interoperability through Public Private Partnership
- SCC-1-2016-2017: Smart Cities and Communities lighthouse projects
- SCC-02-2016-2017: Demonstrating innovative nature-based solutions in cities (Nature-based solutions for inclusive urban regeneration)
- SC5-08-2017: Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction
- SC5-21-2017: Cultural heritage as a driver for sustainable growth (Heritage-led rural regeneration)

Workshop 4 The European Green Vehicles Initiative

- GV-01-2017: Optimisation of heavy duty vehicles for alternative fuels use
- GV-04-2017: Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost
- GV-05-2017: Electric vehicle user-centric design for optimised energy efficiency
- GV-06-2017: Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency
- GV-07-2017: Multi-level modelling and testing of electric vehicles and their components
- GV-08-2017: Electrified urban commercial vehicles integration with fast charging infrastructure
- GV-09-2017: Aerodynamic and flexible trucks
- GV-10-2017: Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system
- GV-13-2017: Production of next generation battery cell in Europe for transport applications