

## 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, 30<sup>TH</sup> 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*

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### 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