

SusChem Greece Brokerage Event

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SusChem Greece Brokerage Event, Athens, 15 October 2018

Stelios Bikos, NTUA

Greek Brokerage Event

- Presentation of The National Technological Platform for Sustainable Chemistry (SusChem Greece) by SCGR
- Presentation of The Funding Framework Programme Horizon2020 by NTUA in relation with the 2019 open and forthcoming calls
- Presentation of The Strategic Research and Innovation Agenda (SIRA) by SCGR
- Refreshments & Registration of Interest in Projects and Consortia
- First Project Cooperation Round
- Refreshments and networking
- Second Project Cooperation Round
- Project Ideas Presentation by SCGR

Participants per Sector (1)

- Water Collection, Treatment Supply & Sewerage Management
 - Athens Water Supply and Sewerage Company (EYDAP SA) is the largest company of its kind in Greece and serves approximately 4,300,000 customers (2,030,000 water meters) while the length of water pipelines is 9,500 km. The sewerage sector serves 3,500,000 residents with sewers spreading at almost 6,000 km.
- Waste Collection, Treatment, Disposal Activities & Materials Recovery
 - Waste Management System of Western Macedonia SA (DIADYMA) is planning, implementing and operating the Integrated Waste Management System (IWMS) of the Region of Western Macedonia (12 municipalities, 300.000 residents, 100.000 tones of Mixed Solid Waste per year).

Participants per Sector (2)

- Manufacturing and Trading Sector
 - Paints & Varnishes
 - Refined Petroleum Products
 - EKO is a member of the Hellenic Petroleum Group constituting a significantly large structure of marketing companies, with a dominating presence in the Greek petroleum market
 - Cement, Lime and Plaster
 - TITAN Group is an independent, vertically integrated cement and building materials producer with 116 years of industry experience. Headquartered in Greece, TITAN Group owns cement plants in ten countries and employs more than 5,432 people worldwide (including joint ventures)
 - Chemicals and Chemical Products

Expression of Interest by Industrial Sector

Industrial Sectors	Priorities				
	Raw Materials	Energy Source for Chemical Processing	Process Technology	Materials	Horizontal Issues
Water Management	√	√	√		√
Waste Management	√		√		√
Paints & Varnishes	√	√	√	√	√
Petroleum Products	√	√		√	√
Cement, Lime and Plaster	√	√	√	√	√
Chemicals and Chemical Products	√	√	√	√	√

Expression of Interest by Role in Consortia

Industrial Sectors	Role in Consortia / Specific Interests
Water Management	Hosting demonstration facilities, Testing technologies at pilot scale for energy recovery of sewerage sludge
Waste Management	Hosting demonstration facilities, Production of high quality compost from source separated biowaste, Utilization of recovered plastic raw materials for critical raw materials extraction, Modular factories for in situ RDF production
Paints & Varnishes	Technologies for water reclamation and re-use, Development of coatings for wind turbines' flaps, Cool paintings with high solar inflection for energy efficiency in buildings, transparent coatings for glass surfaces (IR blocking), paintings for pharmaceutical products transportation jars
Petroleum Products	Connecting with hydro-treatment units, Energy intensification; Development of membrane technologies, Production of bio-crude at HTL plants from bio-based feedstocks
Cement, Lime and Plaster	Capture, Storage and Utilization of CO ₂ , Biomass exploitation for energy recovery
Chemicals and Chemical Products	Connecting with algal biorefineries, Reclamation of chemicals derived from biomass for the production of adhesive materials for wood industry

Expression of Interest by H2020 Call (indicative list)

Priorities	Open and/or Forthcoming H2020 Call
Raw Materials	LC-SC3-NZE-5-2019-2020: Low carbon industrial production using CCUS DT-FOF-05-2019: Open Innovation for collaborative production engineering
Energy Source for Chemical Processing	CE-SPIRE-05-2019: Adaptation to variable feedstock through retrofitting CE-SPIRE-07-2020: Recovery of industrial water, thermal energy and substances contained therein CE-SPIRE-09-2020: Making the most of mineral waste, by-products and recycled material as feed for high volume production
Process Technology	LC-SC3-RES-29-2019: Converting Sunlight to storable chemical energy LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologies DT-FOF-08-2019: Pilot lines for modular factories
Materials	LC-EEB-01-2019: Integration of energy smart materials in non-residential buildings LC-NMBP-32-2019: Smart materials, systems and structures for energy harvesting

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