

INTEGRATED SUSTAINABLE WASTE MANAGEMENT SYSTEMS BY RECOVERING MATERIALS AND ENERGY

**WTERT**
GREECEHELLENIC WASTE TO ENERGY
RESEARCH AND TECHNOLOGY
COUNCIL - SYNERGIANATIONAL MEMBER OF THE GLOBAL WASTE TO ENERGY RESEARCH AND TECHNOLOGY COUNCIL
OF COLUMBIA UNIVERSITY**WTERT GREECE
2017 PROGRESS REPORT****Athens, 9 January 2018**

WTERT Greece – SYNERGIA has collaborated, participated and been represented successfully through its members and representatives who continued to support our work in Greek and European level for the 9th year since its establishment in 2008.

We wish to all of you a happy and fruitful 2018.

PRESENTATIONS

WTERT Greece and WtE strategy, guidelines and studies have been represented in International Exhibitions through roundtables and presentations in several cases in the past year.

1. Prof. Konstantin Aravossis coordinated the roundtable on “Implementation of Regional Waste Plans (PEDSA), first tenders and financing” that took place during the **“Waste management, The next day”** conference, (Hilton, Athens, 09/01/2017)
2. Prof. K. Aravossis, as the Chair of WTERT Greece made a presentation “Possibilities of waste recovery to energy and Biogas Combustion Plants” at the **International Exhibition “Verde.Tec” Forum**, (Mediterranean Exhibition Centre, Athens, 2-5/03/2017)
3. Prof. K. Aravossis made a presentation on “Business opportunities within circular economy driven by EU Directives” on the **Conference of Chemical Industries Association of Europe**, (Bratislava, 08/04/2017)
4. Prof. K. Aravossis presented “Greece’s energy mixture and development perspectives in the EU - the role of WtE” during the 2nd **International Petroleum Conference**, (Athens, 09/06/2017)
5. WTERT sponsored the **5th International Conference on Sustainable Solid Waste Management**. Global WTERT Head Prof. Themelis chaired and coordinated with Prof. K. Aravossis, Head of the Greek WTERT Branch a special session on 'Waste to Energy' as part of the Conference, including 19 specialized presentations of best practices from 15 countries of the world. (Athens, 23/06/2017)

6. WTERT Greece participated **at the 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE)** and SECOTOX Conference, (Thessaloniki, 25 – 30/06/2017) Two Greek presentations regarding WtE matters have been presented by:
 - a. Prof. C.S. Psomopoulos (WTERT Greece partner) *“Current state of the Waste-to-Energy industry globally”*, and
 - b. Prof. K. Aravossis, *“A municipal solid waste management assessment guide for waste management plans and reporting”*

7. WTERT sponsored the **18th European Roundtable for Sustainable Consumption and Production**, - ERSCP 2017, *“Towards a Greener Challenge & Evolution in the Framework of the Circular Economy”*. Prof. Carlo Vandecasteele, KU Leuven, as a Keynote Speaker invited by WTERT Greece, presented *“The role of waste to energy, WTE in the circular economy”*. Prof. C.S. Psomopoulos during the Energy, Environment and Economic Session, discussed the *“Potential contribution of Waste to Energy as part of the effort for the economic recovery of Greece”*. (Skiathos, 1-5/10/2017)

8. Prof. Aravossis, as Head of the Scientific Committee of the conference and chair of WTERT Greece, organized, chaired and coordinated the roundtable on *“Energy Recovery from waste”* (combustion, energy from biogas, anaerobic digestion) during the **5th International Conference on «Solid Waste Management and its Contribution to Circular Economy»** held by the Hellenic Solid Waste Management Association, in collaboration with ISWA (Athens, 14-15/12/2017). The discussion panel was composed by members of leading companies the Greek waste management Industry.

COLABORATIONS / PARTNERSHIPS

- WTERT Greece, contributed to the creation of WTERT Southeast Europe, welcoming already the first participating country, Serbia, and the WTERT Serbia branch.
- HELEKTOR has become a WTERT Greece sponsor, with further discussions of cooperation with Global WTERT.
- WTERT Greece has become a member of DEPAN, from April 2017, a network that promotes entrepreneurship and services for the benefit of Greek municipalities and citizens.

PUBLICATIONS

WTERT Greece researchers published, presented and participated in several national and international meetings and conferences. You can below find a list of the most significant publications:

- **Kungolos A., Laspidou C., Aravossis K., Samaras P., Schramm K.W., Marnellos G.**
"Proceedings of the 6th International Conference on Environmental Management Engineering, Planning and Economics (CEMEPE) & SECOTOX Conference" pages: 1278 GRAFIMA Publ., **2017**

- **Strantzali E., Aravossis K., Livanos A.**
"Evaluation of Future Sustainable Electricity Generation Alternatives: The case of a Greek Island"
Renewable & Sustainable Energy Reviews Journal [Volume 76](#), September 2017, Pages: 775–787,
2017
- **Mitsikas A., Aravossis K.,**
"A Municipal Solid Waste Management Assessment Guide for Waste Management Plans and Reporting".
Proceedings of the 6th International Conference on Environmental Management, Engineering, Planning & Economics, Thessaloniki, Greece, 25 – 30/06/2017, pp 466-475.
- **Mitsikas A., Aravossis K.,**
"A techno-economic Assessment of Waste Management Scenarios in Attica - Greece"
18th European Roundtable for Sustainable Consumption and Production - ERSCP 2017, Skiathos, 1-5/10/2017.
- **Kyriakopoulos G., Kapsalis V., Aravossis K.**
"Investigation of Environmental Services Valuation towards inter-organizational system frameworks of circular economy" 18th European Roundtable for Sustainable Consumption and Production - ERSCP 2017, Skiathos, 1-5/10/2017. Greece, Volume: Session 13: Resource Efficiency and Resources, pp. 565–573. ISBN: 978-618-5271-24-4
- **Aravossis K.**
"Possibilities of waste recovery to energy and Biogas Combustion Plants", VERDETEC FORUM, 1st International Exhibition VERDETEC, MEC Paiania, Athens, 05/03/2017
- **Aravossis K.**
"Greece's energy mixture and development perspectives in the EU - the role of WtE", 2nd International Petroleum Conference, 09/06/2017
- **Patsiouras K., Psomopoulos C.S., and N. J. Themelis**
Current state of the Waste-to-Energy industry globally.
6th International Conference on Environmental Management Engineering, Planning and Economics (CEMEPE) & SECOTOX Conference
- **Triantafyllou V., Bourtsala A.C. (Thanos)**
The role of Waste to Energy (WTE) in a circular economy society.
18th European Roundtable for Sustainable Consumption and Production, - ERSCP 2017
- **Sakalis A. and Kalogirou E.N.**
Waste-to-Energy Implementation and other Investment Opportunities in the Greek Waste Management Sector. WTERT Greece <http://www.wtert.eu/Greece.html>

Prof. Aravossis has also published articles on the Greek press, about "Environmental Protection, Investments and development" and "Environmental Protection, growth leverage", highlighting the importance of heading towards Waste To Energy solutions and the opportunities energy recovery could bring to the Greek market.