






PERSONAL INFORMATION

Theocharis Tsoutsos



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-  [Theocharis.Tsoutsos@enveng.tuc.gr](mailto:Theocharis.Tsoutsos@enveng.tuc.gr)
-  [www.resel.tuc.gr](http://www.resel.tuc.gr)
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Sex Male | Date of birth 09/02/1960 | Nationality Greek

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR  
PERSONAL STATEMENT

Senior Expert

WORK EXPERIENCE

(Mar 2005- today)

**Professor**

School of Environmental Engineering, Technical University of Crete (TUC Campus, GR 73100 Chania, [www.enveng.tuc.gr](http://www.enveng.tuc.gr))

- Director, Graduate Programme “ENVIRONMENTAL ENGINEERING”
- Coordinator, TUC- ENERGY GROUP
- Head, RENEWABLE & SUSTAINABLE ENERGY LABORATORY (ReSEL, [www.resel.tuc.gr](http://www.resel.tuc.gr))
- Teaching the courses: “Renewable Energy Sources”, “Sustainable Development”, “Design of Energy Systems”, “Energy and Environmental Technologies”, “Design of Energy and Transport Systems”, “Introduction in Environmental Engineering”

**Business or sector** Higher Education Institute

(Jan 2000 – Jun 2014)

**Tutor**

Greek Open University (Parodos Aristotelous 18, GR 26335, Patra, <https://www.eap.gr>)

- Graduate Programme “ENVIRONMENTAL DESIGN OF INFRASTRUCTURE WORKS” (Tutor of the course “Design of infrastructure works and environmental protection -PSE60-)
- Author of Renewable Energy Chapter of the Book of this Programme

**Business or sector** Higher Education Institute

(Oct 2001 – Aug 2002)

**Adjunct Professor**

School of Mechanical Engineering, University of Thessaly (Argonafton % Filellinon. GR 38221, Volos, [www.uth.gr](http://www.uth.gr) )

- Teaching the course: “Engineering Economics”

**Business or sector** Higher Education Institute

(Sep 1999- Feb 2004)

**Adjunct Professor**

School of Environmental Engineering, Technical University of Crete (TUC Campus, GR 73100 Chania, [www.enveng.tuc.gr](http://www.enveng.tuc.gr) )

- Teaching the courses: “Analysis of Environmental Impact from Energy & Transport”, “Sustainable Development”, “Risk Assessment”, “Economics for Environmental Engineers”

**Business or sector** Higher Education Institute

(Sep 1992 – Feb 2005)

**Development Manager**

 Centre for Renewable Energy Sources (CRES, 19<sup>th</sup> km Marathon Ave, GR 19009, Pikermi, <http://www.cres.gr>)

- Development of new proposals
- International Cooperation
- Project manager
- OPET (Organizations for Promotion of Energy Technologies) network contact
- CRES marketing
- Head, Mediation Office to the market

(Sep 1999 – Jun 2011)

Business or sector Research and Technology Development

**Adjuct Professor**

 Technological Education Institute of Piraeus (now University of West Attica, 250 Thivon & P. Ralli, GR 12244, Athens, <https://www.uniwa.gr>)

- Graduate Programme in cooperation with the Heriot-Watt University (UK) on Energy (tutor of the Economic of Renewable Energy) (Sep 2008-Jun 2011)
- Graduate Programme in cooperation with the Kingston University (UK) on Advanced Industrial & Manufacturing Systems (tutor of the Industrial Project Management) (Sep 2003-Jun 2006)
- Graduate Programme in cooperation with the Open University (UK) on Advanced Studies, Distance Learning, “Economic analysis and management of systems” (tutor and author of the Economic analysis of energy systems) (Sep 1999-Jun 2004)
- Mechanical Engineering, undergraduate Programme teaching the courses “Organization and Management of Industrial Enterprises”, “Last end seminar” (Sep 1999-Jun 2001)

(Sep 1990 – Mar 1991)

Business or sector Higher Education Institute

**Expert**

 Hellenic Agency for Local Development and Local Government (EETAA) SA (73-77 Myllerou, GR 10436, Athens, [www.eetaa.gr](http://www.eetaa.gr))

- Reports on economic and technical analysis of energy projects

Business or sector Public Administration Consulting

**EDUCATION AND TRAINING**


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(Sep 1985 – Dec 1990)

**PhD (excellent)**

School of Chemical Engineering. National Technical University of Athens (NTUA, Greece)

- “Experimental and technoeconomic assessment of systems exploiting lignocellulosic materials to bioethanol. Synthesis and optimisation of a feasible technology scheme”  
<http://phdtheses.ekt.gr/eadd/handle/10442/1516>
- Laboratory assistant in training and Diploma Theses

(Sep 1985 – Sep 1990)

**Economist (very good)**

Department of Economics, Law School, National and Kapodistrian University of Athens (NKUA, Greece)

(Sep 1978 – Feb 2004)

**Chemical Engineer (very good, 8.04/10.00)**

School of Chemical Engineering. National Technical University of Athens (NTUA, Greece)

- Replace with a list of principal subjects covered or skills acquired

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
German	B2	B2	B1	B1	B1
Replace with name of language certificate. Enter level if known.					
French	B2	B2	B1	B1	A2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Excellent communication skills gained through my 30+ experience as teacher in Universities and public speaker globally

Organisational / managerial skills ▪ Founder and Head, Renewable & Sustainable Energy Lab, Environmental Engineering School (TUC, 2005-today)  
 ▪ Coordinator of the TUC- Energy Group (2013-)  
 ▪ Coordinator, 40+ contracted projects (mostly by EU, 1992-)  
 ▪ Member, Management Council (RMEI -Réseau Méditerranéen des Ecoles d'Ingénieurs et de Management, 2018-)  
 ▪ Member, Steering Committee RHC (European Technology Platform - Renewable Heating -Cooling, 2018-)  
 ▪ Director, Graduate Programme “environmental Engineering” (TUC, 2013-2017)  
 ▪ Member, European Biomass Panel Steering Committee of the European Technology Platform on Renewable Heating and Cooling (RHC-Platform) (Okt 2011- Okt 2013)  
 ▪ Vice Chair, COST network, «Next generation cost effective phase change materials for increased energy efficiency in renewable energy systems in buildings» (NeCoE-PCM, 2009-2013)  
 ▪ Member, Board of Directors, Training Institute of Chemical Engineers (Athens, 2003-2006)  
 ▪ Coordinator, Permanent Energy Committee (Greek Association of Chem.Engineers,2003-2005)  
 ▪ Vice Chair, Environmental and Ecology Committee (Technical Chamber of Greece, Athens, 2003-2005)  
 ▪ Coordinator, European Solar Thermal Marketing Group (EC,1992-1997)

Job-related skills ▪ Senior Expert on Sustainable Energy, Renewable Energy, Sustainable Mobility, Biofuels, Environmental Impact Assessment  
 ▪ Project evaluator: REA, INEA, European Research Council, Erasmus-Mundus (EC); General Secretary of Research & Technology, State Scholarship Foundation (GR);Research Promotion Foundation (CY);Swiss National Science Foundation (SNSF); Russian Research Foundation, Ministry of Education & Science of the Russian Federation (RU); Netherlands Organisation for Scientific Research; Wales

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

Other skills 30 years working in the management of renewable energy systems and technologies.

**Proposal Evaluator:**

**Croatia:** Croatian Science Foundation (HRZZ) - "Installation Research Projects" Call for proposals (2014-today)

**Cyprus:** Research Promotion Foundation of Cyprus (2009-); Evaluation Committee of Private Universities (2011-2013)

**European Commission:** H2020-LCE-2017-RES-RIA\_TwoStages\_First Stage (2017), FP7 Energy Theme First Call: FP7-Energy-2007-1-RTD; ERASMUS Erasmus Cooperation HE/Universities 2007 (2007)

**European Research Council** (2017-)

**Greece:** General Secretariat of Research and Technology (2003-); Centre for Renewable Energy Sources (CRES, 2012-); National Foundation for Scholarship (2011-)

**Euroasia:** New Euroasia Foundation (2013-today)

**Kazakhstan:** Center of Science and Technology Evaluation, Republic of Kazakhstan (2014-)

**Netherlands:** Netherlands Organisation for Scientific Research (NWO)- Open Research Area Plus (2013)

**Russia:** Russian Research Foundation (RU) (2015-)

**Switzerland:** Swiss National Science Foundation (2011)

**Wales:** Sêr Cymru National Research Network for Low Carbon, Energy and the Environment" Call for proposals (2014)

**Project reviewer:**

FP7-SME (2011-2013)

**Editor-Reviewer in international S&T journals**, such as:

Energies (2012-), Environmental Science & Technology-ACS (2006-), Energy Policy-Elsevier (2004-), Applied Thermal Engineering-Elsevier (2005-), Energy-Elsevier (2004-), Journal of Chemical Technology & Biotechnology-ACS (2007-), Information Sciences-Elsevier (2007-), Bioresource Technology-Elsevier (2006-), International Journal of Energy Research-Interscience (2006-), Journal of Cleaner Production-Elsevier (2008-), Land Use Policy-Elsevier (2009-), Solar Energy-Elsevier (2009-), Journal of Energy Engineering –ASCE (2009-), International Journal of Chemical Reactor Engineering – Berkeley University (2009-), Journal of Environmental Assessment Policy and Management – Imperial College (2009-), International Journal of Hydrogen Energy –Elsevier (2009-), Journal of Environmental Management – Elsevier (2011-)

In almost all high qualified energy related journals

**Member of the Editorial Board of the journals:**

International Journal of Sustainable Built Environment (Elsevier, Apr 2015-), Frontiers in Energy (Springer, Jan 2013-), Conference Papers in Energy (2011-), AIMS Energy (AIMS, June 2013-), Current Sustainable/Renewable Energy Reports (Springer, Nov 2013-), ENERGIES (mdpi, Jun 2017-)

Driving licence B- European

ADDITIONAL INFORMATION

ORCHID QR ID CODE:



**Publications** 80+ articles in peer-review Technical and Scientific Journals; see Annex for list

**Presentations** 200+ presentations in International Conferences

**Conferences**  
**Seminars** 40+ projects as project and/or institute coordinator, 100+ as participating expert; see Annex for list

**Projects**

**Honours and awards**

- Solar Globe 2008 - Biodiesel and Power Biomass Valorisation of Palm oil in rural areas: Case study of Mango's village, Central province Cameroon
- Mondialogo UN Global competition 2007 - Biodiesel and Power Biomass Valorisation of Palm oil rural areas: Case study of Mango's village, Central province Cameroon
- Greek Institute of Hybrid Cars (ELINYO) - Solar Car (2008)
- Greek Centre for Environment and Sustainable Development (EKPAΑ) 2009
- ENI prize, candidate (2008, 2009)
- NTUA graduate scholarship (1986-1989)

**Memberships** See Organisational / managerial skills

**References**

**Citations** 3,500+ citations; h-factor: 29 (scholar), 26 (scopus)

ANNEXES



Paper in peer-review Journals  
(1/4)

- J1. T.D. Tsoutsos and E.G. Koukios, "[Modelling and comparison of major types of dilute acid hydrolysis reactors for cellulose saccharification](#)", **Cellulose Chemistry and Technology**, 24, 713-725, 1990
- J2. T.D. Tsoutsos and E.G. Koukios, "[Selection of a reaction system for cellulose saccharification: A global approach](#)", **Chem. & Biochem. Eng. Quart.**, 3, 151-156, 1991
- J3. E.G. Koukios, L.A. Pyrgiotis, T.D. Tsoutsos, and M.N. Christensen, "[The role of bioenergy in the energy system of Aperathou village](#)", **Energy**, 16 (9), 1213-1214, 1991
- J4. E.G. Koukios, L.A. Pyrgiotis, T.D. Tsoutsos, and M.N. Christensen, "[Local-level action plan for biomass. Approach on a Greek island village](#)", **Interciencia**, Sep- Oct 1991, 16(5), 261-265, 1991
- J5. Christos Agrafiotis and Theocharis Tsoutsos, "[Energy saving technologies in the European ceramic sector. A Systematic overview](#)", **Applied Thermal Engineering**, 21(12), 1231-1249, 2001
- J6. M. Karagiorgas, A. Botzios, T. Tsoutsos, "[Industrial solar thermal applications in Greece. Economic evaluation, quality requirements and case studies](#)", **Renewable and Sustainable Energy Reviews**, 5(2), 157-173, 2001
- J7. Theocharis Tsoutsos, "[Marketing solar thermal technologies: strategies in Europe, experience in Greece](#)", **Renewable Energy**, 26(1), 33-46, 2002
- J8. Konstantinos Venetsanos, Penelope Angelopoulou and Theocharis Tsoutsos, "[Renewable energy sources project appraisal under uncertainty: the case of wind energy exploitation within a changing energy market environment](#)", **Energy Policy**, 30(4), 293-307, 2002
- J9. Despina Vamvuka, Theocharis Tsoutsos, "[Energy exploitation of biomass residues in the island of Crete](#)", **Energy Exploration and Exploitation**, Multi Science Publishing, 20(1), 113-120, 2002
- J10. M. Karagiorgas, T. Tsoutsos, R. Berkmann, "[The PHILOSOL project: a strategic market development of the solar thermal sector in Southern Europe](#)", **Energy Conversion and Management**, Pergamon, 44(11), 1885-1901, 2003
- J11. T. Tsoutsos, K. Marketaki and V. Gekas, "[Technical and economical evaluation of solar thermal power generation](#)", **Renewable Energy**, 28(6), 873-886, 2003
- J12. Marina Papadaki, Emmanuel Andonidakis, Theocharis Tsoutsos, Efraxia Maria, "[A multicriteria decision making methodology for sustainable energy development](#)", **Fresenius Environmental Bulletin**, 12(5), 426-430, 2003
- J13. T. Tsoutsos, J. Anagnostou, C. Pritchard, M. Karagiorgas, D. Agoris, "[Solar Cooling Technologies in Greece](#)", **Applied Thermal Engineering**, 23, 1427-1439, 2003
- J14. T.D. Tsoutsos, E.I. Zoulias, N. Lymberopoulos, R. Glöckner, "[Analysis of the Barriers for the Hydrogen Energy Technology in Stand-alone Power Systems](#)", **Wind Engineering**, 28(5), 615-619, 2004
- J15. Efraxia Maria, Theocharis Tsoutsos, "[The sustainable development management of RES installations. Legal aspects of the environmental impact in small Greek island systems](#)", **Energy Conversion and Management**, 45(5), 631-638, 2004
- J16. Theocharis Tsoutsos, Nicholas Karapanagiotis, Ioannis Mavrogiannis, Stathis Tselepis, Dimosthenis Agoris, "[An analysis of the Greek photovoltaic market](#)", **Renewable and Sustainable Energy Reviews**, 8(1), 49-72, 2004
- J17. T. Tsoutsos, N. Frantzeskaki, V. Gekas, "[Environmental Impact Assessment of Solar Energy Systems](#)", **Energy Policy**, 33(3), 289-296, 2005
- J18. T. D. Tsoutsos, Y. Stamboulis, "[The sustainable diffusion of Renewable Energy technologies as an example of an Innovation-Focused Policy](#)", **Technovation**, 25(7), 753-761, 2005
- J19. S. D. Kaminaris, T.D. Tsoutsos, D. Agoris, A.V. Machias, "[Assessing renewables-to-electricity systems: a fuzzy expert system model](#)", **Energy Policy**, 34(12), 1357-1366, 2006
- J20. M. Karagiorgas, T. Tsoutsos, V. Drosou, S. Pouffary, T. Pagano, G. Lopez Lara, J. M. Melim Mendes, "[HOTRES: Renewable energies in the hotels. An extensive technical support for the hotel industry](#)", **Renewable and Sustainable Energy Reviews**, 10(3), 198-224, 2006
- J21. E.I. Zoulias, R. Glockner, N. Lymberopoulos, T. Tsoutsos, I. Vosseler, O. Gavaldá, HJ Mydske, F Taylor, "[Integration of Hydrogen Energy Technologies in Stand-Alone Power Systems. Analysis of the Current Potential for Applications](#)", **Renewable and Sustainable Energy Reviews**, 10(5) 432-462, October 2006
- J22. Michaelis Karagiorgas, Theocharis Tsoutsos, A.Moiá-Pol, "[A simulation of the energy consumption monitoring in Mediterranean hotels: Application in Greece](#)", **Energy and Buildings**, 39(4), 416-426, April 2007
- J23. T. Tsoutsos, E. Maria, V. Mathioudakis, "[Sustainable siting procedure of small hydroelectric plants: The Greek experience](#)", **Energy Policy**, 35(5), 2946-2959, May 2007
- J24. T. Tsoutsos, V. Kouloumpis, A. Kalogerakis, "[Thermal use of biofuels in buildings. Economic and environmental evaluation](#)", **Fresenius Environmental Bulletin**, 16(7), 735-744, 2007
- J25. T. Tsoutsos, E. Papadopoulou, A. Katsiri, A. Papadopoulos, "[Supporting Schemes for Renewable Sources Energy and their impact on Reducing the Emissions of Greenhouse Gases in Greece](#)", **Renewable and Sustainable Energy Reviews**, 12(7), 1767-1788, September 2008

- J26. Sarantopoulos Ioannis, Che Franklin, Tsoutsos Theocharis, Bakirtzoglou Vagios, Azangue Willy, Donatien Bienvenue, Ndipen Frankline Mulluh, "[An evaluation of a small-scale biodiesel production technology: Case study: Mango'o Village, Center Province, Cameroon](#)", **Physics and Chemistry of the Earth**, 34, 55–58, 2009
- J27. Theocharis Tsoutsos, Androniki Tsouchlaraki, Manolis Tsiropoulos, Michalis Serpetsidakis: "[Visual Impact Evaluation of a wind park in a Greek island](#)", **Applied Energy** 86(4), 546-553, April 2009
- J28. Ioannis Vallios, Theocharis Tsoutsos and George Papadakis, "[Design of Biomass District Heating Systems](#)", **Biomass and Bioenergy**, 33(4), 659-678, April 2009
- J29. George Giatrakos, Theocharis Tsoutsos, Nikos Zografakis, "[Sustainable Power Planning for the island of Crete](#)", **Energy Policy**, 37 (4), 1222-1238, April 2009
- J30. T. Tsoutsos, M. Drandaki, N. Frantzeskaki, E. Iosifidis, I. Kiosses, "[Sustainable energy planning by using Multicriteria Analysis. Application in the island of Crete](#)", **Energy Policy**, 37(5), 1587-1600, May 2009
- J31. T. Tsoutsos, M. Karagiorgas, G. Zidianakis, V. Drosou, A. Aidonis, Z. Gouskos, C. Moeses, "[Development of the applications of solar thermal cooling systems in Greece and Cyprus](#)", **Fresenius Environmental Bulletin**, 8(7b), 2009
- J32. G. P. Giatrakos, P. G. Mouchtaropoulos, G. D. Naxakis, T. D. Tsoutsos, G. Stavarakakis, "[Sustainable energy planning on a Renewable energy –hydrogen stand alone power system. Application in Karpathos island, Greece](#)", **Renewable Energy**, 34(12), 2562-2570, December 2009
- J33. D. Zafirakis, E. Kondili, T. Tsoutsos, J. Kaldellis, "[Environmental Non-Governmental Organizations and public awareness concerning the environment in Greece](#)", **Fresenius Environmental Bulletin**, 18(7b), 2009
- J34. T.D. Tsoutsos, A. Tsouchlaraki, M. Tsiropoulos, J. Kaldellis, "[Visual impact evaluation methods of wind parks: Application for a Greek island](#)", **Wind Engineering**, 33(1), 83-92, 2009
- J35. M. Karagiorgas, K. Galatis, M. Tsagouri, T. Tsoutsos, A. Botzios-Valaskakis, "[Solar Assisted Heat Pump on Air Collectors. A Simulation Tool](#)", **Solar Energy**, 84 (1), 66-78, January 2010
- J36. T. Tsoutsos, E. Aloumpi, Z. Gkouskos and M. Karagiorgas, "[Design of a Solar Absorption Cooling System in a Greek Hospital](#)", **Energy and Buildings**, 42(2), 265-272, February 2010
- J37. Theocharis Tsoutsos, Victor Kouloumpis, Thodoris Zafiris, Spyros Foteinis, "[Life Cycle Assessment for biodiesel production under Greek climate conditions](#)", **Journal of Cleaner Production**, 18(4), 328-335, March 2010
- J38. C. Karkanias, S.N. Boemi, A.M. Papadopoulos, T.D. Tsoutsos and A. Karagiannidis, "[Energy efficiency in the Hellenic building sector: An assessment of the restrictions and perspectives of the market](#)", **Energy Policy**, 38(6), 2776-2784, June 2010
- J39. Artemisia Spanaki, Theocharis Tsoutsos, Dionysia Kolokotsa, "[On the selection and design of the proper roof pond variant for passive cooling purposes](#)", **Renewable and Sustainable Energy Reviews**, 15, 3523– 3533, 2011
- J40. Spyros Foteinis, Victor Kouloumpis, Theocharis Tsoutsos, "[Life cycle analysis for bioethanol production from sugar beet crops in Greece](#)", **Energy Policy**, 39 (9), 4834-4841, September 2011
- J41. Theocharis Tsoutsos, Dimitris Bethanis, "[Optimization of a dilute acid hydrolyzator for cellulose saccharification-to-bioethanol](#)", **Energies**, 4(10), 1601-1623, 2011
- J42. Franklin Che, Ioannis Sarantopoulos, Theocharis Tsoutsos, Vasileios Gekas, "[Exploring a promising feedstock for biodiesel production in Mediterranean countries: A study on free fatty acid esterification of olive pomace oil](#)", **Biomass and Bioenergy**, 36, 427-431, January 2012
- J43. Maria Frangou, Theocharis Tsoutsos, Nikos Sakellariou, "[Sustainable assessment of a solar thermal power project in Mediterranean. Application in the island of Crete](#)", **Ecological Indicators**, 18, 379-386, July 2012
- J44. Haris Doukas, Alexandra Papadopoulou, Nikolaos Savvakis, Theocharis Tsoutsos, John Psarras, "[Assessing Energy Sustainability of Rural Communities using Principal Component Analysis](#)", **Renewable and Sustainable Energy Reviews**, Renewable and Sustainable Energy Reviews 16, 1949– 1957, 2012
- J45. Dionysia Kolokotsa, Theocharis Tsoutsos and Sotiris Papantoniou, "[Energy Conservation Techniques for Hospital Buildings](#)", **Advances in Building Energy Research**, Taylor & Francis 1, 1-14, June 2012
- J46. M. Mandalaki, K. Zervas, T. Tsoutsos, A. Vazakas, "[Assessment of shading devices with integrated PV for efficient energy use](#)", **Solar Energy**, 86(9), 2561-2575, September 2012
- J47. Natasa Ouachab, Theocharis Tsoutsos, "[Study of the acid pretreatment and biodiesel production from olive pomace oil](#)", **Journal of Chemical Technology & Biotechnology**, 88(6), 1175-1181, June 2013
- J48. A.Spanaki, D. Kolokotsa, T. Tsoutsos, "[Theoretical and experimental analysis of a novel low emissivity water pond in summer](#)", **Solar Energy**, 86(11), 3331–3344, November 2012
- J49. Theocharis D. Tsoutsos, Stavroula K. Tournaki and Zacharias K. Gkouskos, "[Training and Certification of PV Installers in Europe](#)", **Renewable Energy**, 49, 222-226, January 2013
- J50. Theocharis Tsoutsos, Stavroula Tournaki, Zacharias Gkouskos, Gaetan Masson, John Holden, Ana Huidobro, Evelina Stoykova, Camelia Rata, Andro Bacan, Christos Maxoulis, Anthi Charalambous, "[Training and Certification of PV installers in Europe. A transnational need for P' industry's competitive growth](#)", **Energy Policy**, 55, 593–601, April 2013



Paper in peer-review Journals  
(3/4)

- J51. Theocharis Tsoutsos, Ioannis Sarantopoulos, Athanasios Nicoloyannis, Michael Chatzakis, Nik Pasadakis, "Effect of wastewater irrigation on biodiesel quality and productivity from castor and sunflower oil seeds", **Renewable Energy**, 57, 211-215, May 2013
- J52. Efthalia Chatzisytheon, Spyros Foteinis, Dionissios Mantzavinou, Theocharis Tsoutsos, "Life Cycle Assessment of Advanced Oxidation Processes for Olive Mill Wastewater Treatment", **Journal of Cleaner Production**, 54, 229-234, September 2013
- J53. Theocharis Tsoutsos, Stavroula Tournaki, Carmen Avellaner de Santos, Roberto Vercellotti, "Nearly Zero Energy Buildings. Application in Mediterranean hotels", **Energy Procedia**, 42, 230-238. November 2013
- J54. M. Mandalaki, S. Papantoniou, T. Tsoutsos, "Assessment of energy production from photovoltaic modules integrated in typical shading devices", **Sustainable Cities and Society**, Elsevier, 10, 222-231, February 2014
- J55. T. Tsoutsos, S. Tournaki, I. Weiss, S. Caneva, S. Arancón, G. Masson, M. Latour, H. Auer, G. Lettner, W. Sinke, C. Olson, A.C. Veltkamp, F. Pause, F. De Mango, L. Bastone, M. Raganella, C. Dalla Chiesa, G. Strbac, D. Pudjianto, C. Montoya, R. Vázquez, S. Guilmond, "Photovoltaics competitiveness in MENA Countries. The European project PV PARITY", **International Journal of Sustainable Energy**, Taylor-Francis, 34, 21 April 2015, 202-210.
- J56. I. Vallios, T. Tsoutsos, G. Papadakis, "A software for technical and economical assessment of biomass district heating systems", **International Journal of Sustainable Energy**, 35(3), 15 March 2016, 267-294.
- J57. A. Spanaki, D. Kolokotsa, T. Tsoutsos, "Assessing the passive cooling effect of the ventilated pond protected with a low emissivity reflecting layer", **Applied Energy**, 123, 273-280, 15 June 2014
- J58. M. Mandalaki, T. Tsoutsos, N. Papamanolis, "Integrated PV in shading systems for Mediterranean countries: balance between energy production and visual comfort", **Energy and Buildings**, 77, 445-456, July 2014
- J59. Kokologos D., Tsitoura I., Kouloumpis V., Tsoutsos T., "Visual Impact Assessment Method for Wind Parks A case Study in Crete", **Land Use Policy**, 39, 110-120, July 2014
- J60. M. Tsitoura, T. Tsoutsos, T. Daras, "Evaluation of comfort conditions in urban open spaces. Application in the island of Crete", **Energy Conversion and Management**, 86, 250-258, October 2014
- J61. P. Gikas, T. Tsoutsos, "Near zero energy wastewater treatment plants for the Greek islands", **Desalination and Water Management**, 53 ( 12 ) pp. 3328 – 3334, 2015
- J62. I. Sarantopoulos, E. Chatzisytheon, S. Foteinis, T. Tsoutsos, "Optimization of biodiesel production from waste lard by a two-step transesterification process under mild conditions", **Energy for Sustainable Development**, 23, 110-114, December 2014
- J63. T. Tsoutsos, I. Tsitoura, D. Kokologos, K. Kalaitzakis, "Sustainable siting process in Large Wind Farms. Case study in Crete", **Renewable Energy**, 75, March 2015, 474-480
- J64. Nikolaos Savvakis, Theocharis Tsoutsos, "Performance assessment of a thin film photovoltaic system under actual Mediterranean climate conditions in the island of Crete", **Energy**, 90(2), October 2015, 1435-1455.
- J65. S. N. Kamenopoulos, T. Tsoutsos, "Assessment of the safe operation and maintenance of photovoltaic systems", **Energy**, 93(2), December 2015, 1633-1638.
- J66. Papadopoulos A., Tsoutsos T., Frangou M., Kalaitzakis K., Stefanakis N., Boudouvis A.G., "Innovative optics for concentrating photovoltaic/thermal (CPVT) systems – the case of the PROTEAS Solar Polygeneration System", **International Journal of Sustainable Energy**, 36(8), 2017, 775-786
- J67. Alexandra Saranti, Theocharis Tsoutsos, Maria Mandalaki, "Sustainable Energy Planning. Design Shading Devices with Integrated Photovoltaic Systems for Residential Housing Units", **Procedia Engineering**, Volume 123, 2015, Pages 479-487
- J68. T.D. Tsoutsos, S. Tournaki, O. Parafba, S.D. Kaminaris, "The Used Cooking Oil-to-biodiesel chain. Assessment of Best Practices and Environmental Performance", **Renewable and Sustainable Energy Reviews**, 54, 1 February 2016, 74-83.
- J69. A. Stamatakis, M. Mandalaki, T. Tsoutsos, "Multi-criteria analysis for PV integrated in Shading Devices for Mediterranean Region", **Energy and Buildings**, 117 (2016) 128–137
- J70. Marianna Tsitoura, Marina Michailidou, Theocharis Tsoutsos, "Achieving sustainability through the management of microclimate parameters in Mediterranean urban environments during summer", **Sustainable Cities and Society**, Vol 26, pp 48-64, 2016
- J71. T. Tsoutsos, S. Tournaki, M. Frangou, R. Morell, I. Guerrero Hernandez, A. Derjanecz, "Cooling in Mediterranean hotels during summertime. Experience from the neZEH (Nearly Zero Energy Hotels) project", **Refrigeration Science and Technology**, Volume 2016, January 2016, Pages 224-231
- J72. Haris Doukas, Eleftherios Siskos, John Psarras, Charalampos Malamatenios, Stavroula Tournaki, Theocharis Tsoutsos, "Qualification roadmap empowering the Greek building sector workforce in the field of energy", **Renewable and Sustainable Energy Reviews**, Volume 65, November 2016, Pages 992-1004

Paper in peer-review Journals  
(4/4)

- J73. Theocharis Tsoutsos, Stavroula Tournaki, Eleni Farmaki, Paolo Sonvilla, Paul Lensing, Jakub Bartnicki, Alejandro Cobos, Marko Biscan “Benchmarking framework to encourage energy efficiency investments in South Europe. The Trust EPC South approach”, **Environmental Sciences Procedia**, Volume 38, 2017, Pages 413–419
- J74. S. Foteinis and T. Tsoutsos, “Strategies to improve sustainability and offset the initial high capital expenditure of wave energy converters (WECs), **Renewable and Sustainable Energy Reviews**, Volume 70, April 2017, Pages 775-785
- J75. Dimitrios Hasapis, Nikolaos Savvakis, Theocharis Tsoutsos, Konstantinos Kalaitzakis, Spyridon Psychis, Nikolaos P. Nikolaidis, “Design of large scale prosuming in Universities. The solar energy vision for the TUC campus”, **Energy and Buildings**, Volume 141, 15 April 2017, Pages 39-55
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- J77. Mary Christoforaki, Theocharis Tsoutsos, “Sustainable siting of an offshore wind park. A case in Chania, Crete”, **Renewable Energy**, Volume 109, August 2017, Pages 624–633
- J78. S. Foteinis, J. Hancock, N. Mazarakis, T. Tsoutsos, C.E. Synolakis, “A comparative analysis of wave power in the nearshore by WAM estimates and in-situ (AWAC) measurements. The case study of Varkiza”, Athens, Greece, **Energy**, Volume 138, 1 November 2017, pp. 500–508
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- J80. T. Tsoutsos, S. Tournaki, M. Frangou, M. Tsitoura, "Creating paradigms for nearly zero energy hotels in south Europe", **AIMS-Energy**, 6(1): 1-19, 2018
- J81. S. Foteinis, A.G. Antoniadis, T. Tsoutsos, Life cycle assessment of algae-to-biodiesel shallow pond production systems in the Mediterranean: influence of species, pond type, by-product valorisation and electricity mix, **Biofuels, Bioproducts & Biorefining**, 12(4), July/August 2018, pp 542-558
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- J83. Ioannis Petidis, Maria Aryblia, Tryfon Daras, Theocharis Tsoutsos, Energy saving and thermal comfort interventions based on occupants' needs. A students' residence building case, **Energy and Buildings**, Volume 174, 1 September 2018, Pages 347-364
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- J85. Spyros Foteinis, Theocharis Tsoutsos, Costas Synolakis, “Numerical Modelling for Coastal Structures Design and Planning. A Case Study of the Venetian Harbour of Chania, Greece”, **International Journal of Geoengineering Case Histories**, Vol. 4, Issue 4, p.232, 2018 [https://www.geocasehistoriesjournal.org/pub/article/view/IJGCH\\_4\\_4\\_1](https://www.geocasehistoriesjournal.org/pub/article/view/IJGCH_4_4_1)
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- J87. Theocharis Tsoutsos, Stavroula Tournaki, Zacharias Gkouskos, Orlando Paraíba, Filippo Giglio, Pablo Quero García, João Braga, Haris Adrianos, Monica Filice, “Quality characteristics of biodiesel produced from Used Cooking Oil in Southern Europe”, **chemengineering**, 2019, 3(1), 19; <https://doi.org/10.3390/chemengineering3010019>
- J88. Nikolaos Sifakis, Nikolaos Savvakis, Tryfon Daras and Theocharis Tsoutsos, “Analysis of the energy consumption behavior of European RES cooperatives members”, **Energies** 2019 12, 970; <https://doi:10.3390/en12060970>
- J89. Dimitra Papadaki, Spyros Foteinis, Vassilios Binas, Margarita-Niki Assimakopoulos, Theocharis Tsoutsos, George Kiriakidis, “The introduction of PCM and VIP in warm Mediterranean climates as a strategy to promote energy savings and mitigate carbon emissions”, **Science of the Total Environment**, submitted

Contracted projects as  
Project and/or Institute  
Coordinator (1/5)

In TUC:

- 1. RERINA: Integration of Renewable Energy Technologies in Rural Insular Areas**  
*Funding Program:* Intelligent Energy Europe, Jan. 2006 – Dec. 2007.  
*Contract number:* EISAS/EIE/05/082/2005.  
*Coordinator:* Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).  
*Partners:* Islenet- Western Isles Council (UK), Cyprus Institute of Energy (CY), Municipal Company of the Municipality of Armenous (GR), Comune Di Cabras – Area Marina Protetta Penisola del Sinis – Isola di Mal di Ventre (IT), Regione Siciliana (IT), World Wide Fund for Nature - WWF Greece (GR).
- 2. Μελέτη Περιβαλλοντικών Επιπτώσεων από τα νερά ψύξης στην Ατμοηλεκτρική κεντρική μονάδα Αθερινόλακκου: Εφαρμογή στην Κρήτη**  
*Funding:* Prefectural Authority of Lassithi, Dec. 2005 - Feb. 2006.  
*Implementation:* Technical University of Crete, School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).
- 3. PURE: Promoting the Use of Photovoltaic Systems in the Urban Environment through Demo Relay Nodes**  
*Funding Program:* Intelligent Energy Europe, Jan. 2006 – Dec. 2008.  
*Contract number:* EISAS/EIE/05/051/2005.  
*Partners:* Fundacion Robotiker (Coordinator, ES), EVE-Ente Vasco de la Energía (ES), Instituto Superior Técnico (PT), Scheuten Solar Technology (DE), Provincia DI Savona (IT), Slovak Innovation and Energy Agency(SK), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).
- 4. SOLCO: Removal of non-technological barriers to Solar Cooling technology across southern European islands**  
*Funding Program:* Intelligent Energy Europe, Jan. 2007- Feb. 2009.  
*Contract number:* EISAS/EIE/06/116/2006.  
*Partners:* Agenzia Provinciale Energia e Ambiente (Coordinator ,IT), Western Isles Council (Comhairle Nan Eilean Siar) - ISLENET (UK), Cyprus Institute of Energy (CY), Canary Islands Institute of Technology (ES), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).
- 5. Έρευνα του Κύκλου Ζωής Υγρών Βιοκαυσίμων**  
*Funding:* Technical University of Crete Research Committee, Apr. 2005 – Dec. 2006.
- 6. NETTI : Networks in the Energy field: Technology Transfer and Innovation**  
(energy' regio: European Regional Development Fund INTERREG IIIC, East Zone Regional Framework Operation, 2006-2007)  
Συνεργασία με το Ενεργειακό Γραφείο της Περιφέρειας Κρήτης  
Άλλοι συμμετέχοντες: ASTER S. Cons. p. A. (IT), NOMISMA - SOCIETA' DI STUDI ECONOMICI S.P.A. (IT), The Regional Council in Kalmar County (SE), Bautzen Innovation Centre (DE), ZTS-Zentrum für Technologieentwicklung Region Riesa-Großenhain GmbH (DE), Business and Innovation Centre (BIC) Zwickau GmbH (DE), Confederazione Italiana Agricoltori (IT), Energy Crops Ltd (IE)
- 7. Energy Agency of Cyprus**  
*Funding Program:* Intelligent Energy Europe, Oct. 2008 – Mar. 2012.  
Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory was the technical advisor of the EAC prepared the relevant proposal approved after an EU tender.
- 8. MORE: Market of Olive Residues for Energy**  
*Funding Program:* Intelligent Energy Europe, Nov. 2007- Apr. 2010.  
*Partners:* Agenzia Regionale per l'Energia della Liguria SPA (Coordinator, IT), Unione Regionale delle Camere di Commercio, Industria, Artigianato e Agricoltura della Liguria (IT), Institut za poljoprivredu i turizam, Pore (HR), Anatoliki S.A.- Development Agency of Eastern Thessaloniki (GR); Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (Subcontracted, GR), Univerza na Primorskem, Znanstveno-raziskovalno Središče Koper (SL), Agencia de Gestión Energética de la Provincia de Jaén (ES).
- 9. PROMOTION 3E Promotion of Energy-Efficient appliances in Europe**  
*Funding Program:* Intelligent Energy Europe, Oct. 2008- Sept 2011).  
*Contract number:* IEE/07/803/SI2.499429.  
*Partners:* Escola Superior de Tecnologia de Setúbal (Coordinator, PT), Agência de Energia e Ambiente da Arrábida- ENA (PT), Factor Social - Consultoria em Psicossociologia e Ambiente Lda. (PT), Energy and Environment Agency of Centre Region (PT), Agenzia per l'Energia e l'Ambiente della provincia di Teramo (IT), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR), Bryson Charitable Group-NIEA (UK), Technologie und Gründerzentrum Bautzen GmbH (DE), Chambers Group for the Development of Greek Isles (GR), Narodowa Agencja Poszanowania Energii S.A. (PL), Agencia Provincial de la Energia de Avila (ES), Agence Locale de l'Energie de l'Agglomeration Lyonnaise (FR).

10. Next generation cost effective phase change materials for increased energy efficiency in renewable energy systems in buildings (NeCoE-PCM)“ **(2009-2012), COST Programme Action**
11. **Βιοντίζελ από πυρηνέλαιο ελιάς. Ποσοτικοποίηση φυσικών και χημικών παραμέτρων για την αριστοποίηση της διεργασίας παραγωγής**  
*Funding:* Technical University of Crete Research Committee, Oct. 2009 - Mar. 2011.
12. Μελέτη για την εγκατάσταση όχλουσων εγκαταστάσεων και επικίνδυνων δραστηριοτήτων και δεξαμενών αποθήκευσης υγρών καυσίμων στο Ν. Χανίων  
*Funding:* Regional Unit of Chania, May 2009 – Mar. 2011.
13. PV-TRIN: Training of PV engineers and installers  
*Funding Program:* Intelligent Energy Europe, May 2010 – Apr. 2013.  
*Contract number:* IEE/09/928.  
*Coordinator:* Technical University of Crete, School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).  
*Partners:* Building Research Establishment Ltd - BRE (UK), Agentia pentru Managementul Energiei si Protectia Mediului - Brasov (RO), Energetski Institut Hrvoje Pozar (HR), European Photovoltaic Industry Association - EPIA (BE), Sofia Energy Centre (BG), Technical chamber of Cyprus (CY), Tecnalia research & Innovation Foundation (ES), Technical Chamber of Greece – Section of Western Crete (GR).
14. **Βιώσιμη χωροθέτηση αιολικών πάρκων στην Κρήτη**  
*Funding:* Decentralized Administration of Crete, Sept. 2010 – June 2012.
15. Potential, origin and utilization of Wood Biomass in Cyprus. Evaluation of the social, economic and environmental impacts  
*Funding Program:* DESMH 2009-2010, Invitation Code ΑΕΙΦΟΡΙΑ/ΚΟΙΦ/0608 (BE), Dec. 2010 - Nov. 2012.
16. **PV-PARITY: Definition of grid-parity for photovoltaics and development of measures to accompany PV applications to the grid parity and beyond**  
*Funding Program:* Intelligent Energy Europe, Jun 2011- Nov 2013  
*Contract number:* IEE/10/307.  
*Partners:* Wirtscgaft und Infrastruktur GMBH & CO Planungs KG (Coordinator, DE), Technische Universitaet Wien (AT), IC Consultants LTD (UK), EPIA – European Photovoltaic Industry Association (BE), Technical University of Crete, School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR), Stichting Energieonderzoek Centrum Nederland -ECN (NL), Forschungsstelle Umweltenergierecht e. V (DE), Gestore dei Servizi Energetici (IT), Enel Green Power (IT); Instituto para la Diversificación y Ahorro de la Energía -IDEA (ES), Energies Nouvelles - EDF (FR).
17. **BUS GR: BUILD UP Skills - Greek platform and Roadmap for the building workforce qualification on energy efficiency and renewable energy**  
*Funding Program:* Intelligent Energy Europe, June 2012- Dec. 2013.  
*Contract number:* IEE/12/BW/430/S.12.622870.  
*Partners:* Centre for Renewable Energy Sources, Region of Western Greece (Coordinator, GR), Technical Chamber of Greece (GR), Labour Institute of Greek General Confederation of Labour (GR), Small Enterprises Institute of the Hellenic Confederation (GR), Centre for Educational Policy Development - Confederation of Labour (GR), National Organization for the Certification of Qualifications and Vocational Guidance (GR), Technical University of Crete, School of Environmental Engineering (GR), Renewable and Sustainable Energy Systems Laboratory (GR).
18. **Έρευνα χωροθέτησης για τη βιώσιμη εγκατάσταση μεγάλων μονάδων Φ/Β και ηλιοθερμικών ισχύος στην Περιφέρεια Κρήτης**  
*Funding:* Region of Crete, Oct. 2013- Oct. 2014.
19. **RecOil- Promotion of used cooking oil recycling for sustainable biodiesel production**  
*Funding Program:* Funding :Intelligent Energy Europe, May 2012- May 2015.  
*Contract Number:* IEE/11/091.  
*Partners:* Energy and Environment Agency of Arrábida - ENA (Coordinator, PT), S. Energia – Regional Energy Agency for Barreiro, Moita, Montijo and Alcoche (PT), Technical University of Crete, School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR), Local Energy Agency of the Province of Cosenza - A.L.E.S.S.CO (IT), Agencia Provincial de la Energie de Cadiz(ES), Factor Social, Consultoria em Psicossociologia e Ambiente Lda (PT), ELIN Biofuels S.A. (GR), ETA Florence Renewable Energies (IT), Municipality of Castrolibero (IT), European Biomass Industry Association - EUBIA (BE), Agro Buisness Park (DK).

Contracted projects as  
Project and/or Institute  
Coordinator (3/5)

## 20. NEZEH- Near Zero Energy Hotels

Funding Program: Intelligent Energy Europe, Apr. 2013 - Mar. 2016.

Contract number: IEE/12/829/SI2.644758

Coordinator: Technical University of Crete, School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

Partners: United Nations World Tourism Organisation –UNWTO (UN), Federation of European Heating and Air-conditioning Associations –REHVA (EU), Network of European Region for a Sustainable and Competitive Tourism – NECSTOUR (BE), Creara Consultores SL - CREAARA (ES), Istituto Superiore sui Sistemi Territoriali per l'Innovazione - SITI (IT), Sustainable Innovation I Svetige AB (SE), Agentia Pentru Managementul Energiei si Protectia Mediului – Brasov (RO), Energy Institute Hrvoje Pozar (HR), ENERGIES 2050 (FR).

## 21. Proteas Solar Polygeneration

Funding Program: SYNERGASIA 2011, ESPA 2007-2013, Oct. 2013 – June 2015.

Project Code: 11ΣΥΝ\_7\_1500.

Partners: Institute Iliotron Applications of Advanced Solar Technology Alexandros Papadopoulos, Aluminco A.E. (Coordinator, GR), Bazigos S.A. (GR), John Kalliegis LTD (GR), National Technical University of Athens, School of Chemical Engineering (GR), Foundation for Economic and Industrial research (GR), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

## 22. Bioclimatic upgrading of public places in the Municipality of Rethymnon

Funding: Municipality of Rethymnon, Oct. 2011 – Sept. 2014.

## 23. Green Partnerships – Local partnerships for greener cities and regions

Funding Program: Med Program - 2007-2013, Jan. 2013 – May 2015.

Agreement No.: IC- MED12-35.

Partners: Slovene Chamber of Agriculture and forestry – Institute of agriculture and forestry Maribor (Coordinator, SI), Energy agency of Podravje (SL), Lakatamia Municipality (CY), GERES - Group for the Environment, Renewable Energy and Solidarity (FR), Kyoto Club (IT), AREANATEjo - Regional Energy and Environment Agency from North Alentejo (PT), Granollers city council (ES), Agricultural University of Tirana (AL), Hydro Engineering Institute Sarajevo (HE), Institut for spatial planning of the Koprivnica-Križevci Country (HR), Institute for Strategic Studies and Prognoses (MO), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

## 24. Energy issues the ItanosGaia Strategic Environmental Impact Study

Funding: Loyalward Ltd, private project, June 2013 - Oct. 2014.

## 25. UPSWING: UPgrading the construction Sector Workforce traIning and qualification in Greece

Funding Program: Intelligent Energy Europe, Sept. 2014 – Aug. 2017.

Contract Number: IEE/13/BW1/715/SI2.680180.

Partners: Centre for Renewable Energy Sources and Saving (Coordinator, GR), National Technical University of Athens, Small Enterprises Institute of the Hellenic Confederation of Professionals Craftsmen and Merchants (GR), Labour Institute of the Greek General Confederation of Labour (GR), Technical Chamber of Greece (GR), National Organization for the Certification of Qualifications and Vocational Guidance (GR), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

## 26. TRUST-EPC-SOUTH "Building TRUST in Energy Performance Contracting for tertiary sector energy efficiency and sustainable energy projects in Southern European Countries

Funding Program: H2020, Mar. 2015- June 2018.

Project ID : 649772.

Partners: Creara Consultores SL (Coordinator, ES), Bureau Veritas Iberia SL (ES), Enegetski Institut Hrvoje Pozar (HR), Ambiente Italia s.r.l. (IT), Energia Propria SA (PT), Lifegate SPA (IT), Energies 2050 (FR), Association Green Rating Alliance (FR), Officinae Verdi SPA (IT), Self Energy Engineering & Innovation SA (PT), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

## 27. RESCoop Plus: Harnessing power of RESCoops beyond RES production

Funding Program: H2020, Mar. 2016 - Feb. 2019.

Project ID: 696084.

Partners: Levelcardinal Unipessoal LDA (Coordinator, PT), Ecopower (BE), Enercoop (FR), Som Energia SCCL (ES), Coopérnico – Cooperativa de Desenvolvimento Sustentavel CRL (PT), Avanzi SRL (IT), Rescoop EU ASBL (BE), Organisatie Voor Hernieuwbare Energie Decentraal (NL), Sudtiroler Energie Verband Genossenschaft (IT), EBO Consult AS (DM), Technische Universiteit Twente (NL), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

Contracted projects as  
Project and/or Institute  
Coordinator (4/5)

### 28. CIVITAS DESTINATIONS

Funding Program: H2020, Sep 2016- Aug 2020.

Project ID : 689031.

Partners : Horarios Do Funchal-Transportes Publicos SA (Coordinator, PT), Agencia Regional da Energia Eambiente da Regiao Autonoma da Madeira (PT), Camara Municipal do Funchal (PT), Secretaria Regional da Economia Turismo e Cutura (PT), Arditi - Agencia Regional Para o Desenvolvimento da Investigacao Tecnologia e Inovacao – Associacao (PT), Etairia Touristikis Anaptixis kai Probolis Periferias Lemesou Limited (CY), Limassol Municipality (CY), Stratagem Energy LTD (CY), Dimos Rethimnis (GR), Comune di rio Marina (IT), Comune di Portoferraio (IT), Memex S.R.L. (IT), Authority For Transport in Malta (MT), Valletta Kunsilli Lokali (MT), Universita ta Maltal (MT), Ministry of Tourism (MT), Guaguas Municipales Sociedad Anonima (ES), Cinesi SL (ES), Ayuntamiento de las Palmas de Gran Canaria (ES), Ingenieria Electronica Canaria SL (ES), Sociedad Municipal de Aparcamientosde las Palmas de Gran Canaria SA (SE), Euro Project Consult SARL (FR), Istituto di Studi per L'Integrazione dei Sistemi (I.S.I.S) – Societa 'Cooperativa (IT), European Integrated Project (RO), Sustainable Services SL (ES), Insight Innovation GMBH (DE), Vectos (SOUTH) Limited (UK), Conference Des Regions Peripheriques Maritimes d Europe – Association (FR), Beijing University of Technology (CN), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

### 29. COMPOSE: Rural COMMunities engaged with POSITIVE Energy

Funding Program: Med-Interreg 2014-2020, Nov. 2016 - Oct. 2019.

Project no.: 1001.

Partners: Slovene Chamber of Agriculture and forestry – Institute of Agriculture and forestry Maribor (Coordinator SI), Kyoto Club (IT), Lakatamia Municipality (CY), Energy and Environment Agency of Arrabida (PT), Regional energy Agency North (HR), Agricultural University of Tirana (AL), Granollers City Council (ES), Srebrenik Municipality (BA), Institute for Strategic Studies and Prognoses (MO), Group for the Environment Renewable Energy and Solidarity (FR), Technical University of Crete / School of Environmental Engineering, Renewable and Sustainable Energy Systems Laboratory (GR).

### 30. ECENEF- ECONOMIC ASPECTS OF THE ENERGY EFFICIENCY OF EU COUNTRIES

Funding Program: ERASMUS+/JEAN MONNET, Oct. 2018 - Sep. 2020.

Project no.: -

Partners: Nizhny Novgorod state technical University- Dzerzhinsky Polytechnic Institute Dzerzhinsk (Russia), NGO "Association NEST - Association for economic development of trade, business and industry enterprises" (Bulgaria); Aarhus University, Department of Business Development and Technology (BTECH) (Denmark), Plymouth University (UK), XLNCE Energy Efficiency & EU Funding Consultancy (Belgium), EDUCONS University (Serbia), NGO "LowCarbonEconomy Foundation" (Spain), State Scientific Institution «A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus» (Belarus), Technical University of Crete (Greece).

### 31. SUMP-PLUS: Sustainable Urban Mobility Planning: Pathways and Links to Urban Systems

Funding Program: H2020, Sep 2019- Aug 2022.

Project ID : 814881

Coordinator: STAD ANTWERPEN

### 32. Έρευνα Αξιοποίησης της ηλιακής ενέργειας για τα αντλιοστάσια των ΤΟΕΒ της Κρήτης

Funding: Region of Crete, Δεκ. 2018- Μάιος 2019

Contracted projects as  
Project and/or Institute  
Coordinator (5/5)

In CRES:

33. Solid Waste Management in Middle East (THERMIE, συνεργασία: ΚΑΠΕ, Palestinian Energy Center, Israeli Ministry of Environment, New & Renewable Energy Agency of Egypt, 1994-1995)
34. Ανάπτυξη και Προώθηση τεχνολογιών ΑΠΕ και ΟΧΕ στην Ελλάδα (THERMIE, συνεργασία ΚΑΠΕ με Υπουργείο Ανάπτυξης, 1994-1995)
35. UNESCO summer school (THERMIE, συνεργασία ICAEN, ΚΑΠΕ, UNESCO, ADEME, 1995-1996)
36. Energy planning at regional and urban level (PERU contract, leader: Region of Thessaly 1995-1997)
37. Solar Thermal Dissemination Strategy Group (THERMIE, leader: CRES, 1995-1997)
38. Formulation and implementation of an effective solar thermal technologies dissemination strategy (THERMIE, συνεργασία ΚΑΠΕ, ESIF, ASTER, ADEME, ICAEN, 1996-1997)
39. PV Dissemination Strategy Group (THERMIE, συνεργασία TUV Rheinland, ΚΑΠΕ, ΕΡΙΑ ICAEN, 1996-1997)
40. Energy efficient technologies in high temperature industries in Bulgaria and Hungary (THERMIE DIS-0788-1996-GR, ΚΑΠΕ (GR), TIL/IST (P), Imperial College (UK), ADERS (F), Ένωση Ελλήνων Χημικών (GR), Ελληνικός Γαλουργικός Σύνδεσμος (GR), 1997-1999)
41. Evaluation of the projects of the World Solar Programme 1996-2005 (THERMIE DIS-1242-1997-GR, ΚΑΠΕ (GR), ICAEN (ES), SIEDEF (F), ETSU (DE), UNESCO και φορείς από Τρίτες Χώρες)
42. Development of TC for craftsmen in Tunisia (THERMIE, leader: ZREU, 1997-1999)
43. Mediterranean Cooperation for the sustainable development of a water desalination policy decision making tools and continuing education (INCO, συνεργασία ΕΜΠ, ΚΑΠΕ, UNESCO και 10 χωρών της Μεσογείου, 1998-2001)
44. Solar cooperatives (THERMIE, leader: ISES international, 1998-2000)
45. BIOHEAT – Biomass heating in large buildings and blocks (ALTENER, συνεργασία EVA ΚΑΠΕ, TNO, ΤΕΚΝΙΚ, CBE, ENEA, IDAE, SVEBIO, 2000-2003)
46. Solar air conditioning “CLIMASOL” (ALTENER, 4.1030/Z/02-121 RhonalpEnergie Environnement (F), ΚΑΠΕ (GR), TECSOL SA (F), ENERGIA (I) AMES (P), BE (DE), EVI (ES), FhG-ISE (DE))
47. Pellets for Europe (ALTENER 2002-012-137-160, ΚΑΠΕ (GR), DK-ΤΕΚΝΙΚ (DK), ΙΕ (IR), SVEBIO (SE), BAPE (PO), VTT (FI), ESV (AT), ZREU (DE), SOFIA EC (BU), CARTIF (ES), WIP (DE), European Biomass Industry Association (EUBIA), ETA (IT))
48. Renewable Energy Technology Transfer Network “RENEW-TRANSNET” (5FP, ΚΑΠΕ (GR), IIS Ltd (UK), META (IT), University of Vaasa (FI), 2003-2005)
49. Small Wind industry implementation strategy “SWIIS” (5FP, NNE5/2002/60, SEED (FR), AMSET LTD (UK), ΚΑΠΕ (GR), ECN (NL), European Wind Energy Association, FhD-ISE (DE), KOBA SRL (IT), GAZELLE LTD (UK), VERGNET SA (F))

Publications in Technical Journals  
(1/2)

- T1. Θ. Δ. Τσοῦτσος, Ο. Δουδακμάνη, Σ. Τουρνάκη και Ε.Γ. Κούκιος, "Μελέτη του κλάδου της οιοπνευματοπιοίας. Το παραγωγικό σύστημα της βιοαϊθανόλης", Επιοθεώρηση Αγροπικών Μελετών, Τόμος 3, Τεύχος 1, σελ. 100-114, Αθήνα 1991
- T2. Maria Kontoni, Theocharis Tsoutsos, "Desalination systems using RES in Mediterranean Countries", Insula-International Journal of Island Affairs, Year 10, No 1, 19-22, Jan. 2001
- T3. Y. Stamboulis, T. D. Tsoutsos, "Innovation- Focused Policy for the Diffusion of Renewables", IPTS report, no 65, pp 34-40, June 2002
- T4. T. D. Tsoutsos and C. Venetsanos, "Evaluation of RES-to-electricity under uncertainty", IPTS report, no 76, July 2003
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- T6. Κωνσταντίνος Σταυρόπουλος, Θεοχάρης Τσοῦτσος, "Μελέτη ενσωματώσεως μικρού φωτοβολταϊκού σταθμού στη Δημοπική Αγορά Χανίων", Διμηνιαία Έκδοση Τεχνικά Χρονικά ΤΕΕ, Σεπτέμβριος-Οκτώβριος 2006
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