

Event:  
Date:  
Place:

**ENERGY in BUILDINGS 2016**  
Saturday November 12, 2016  
Athens, Hellas



#	<p><b>Psiloglou Basil</b> Mathematician (B.Sc.), Environmental Physicist (M.Sc., PhD).</p>	
Title:	<p>Senior Researcher Institute for Environmental Research &amp; Sustainable Development, National Observatory of Athens, I. Metaxa &amp; Vas. Pavlou, P. Penteli, GR 15236, Athens, Greece</p>	
Presentation title:	<p><b>Electricity Consumption Characteristics for areas in and around Athens</b></p>	
<p>In this study, we seek to determine the factors that govern the trends in electricity consumption for various regions in and around Athens. We present the time series of diurnal, daily, monthly and yearly variations of energy consumption for each of the selected sites. For this reason, seasonal variation indexes were incorporated in our analysis.</p> <p>More specifically, we have gathered electricity consumption data for eight locations around Athens and compare the behavior of yearly, monthly, daily and hourly electricity consumption in relation to inner Athens. In this way, we identify whether locations around Athens that Athenians use as “weekend” or “short break” or even “summer holidays” destinations, present increases in their levels of consumption during weekend/short holidays. These increases coincide with the periods that inner Athens consumption levels present substantial decreases.</p> <p>The combined characteristics of consumption for all these locations should be taken into account during energy conservation planning as it would be erroneous to consider that Athens consumption levels fall during weekends/holidays without taking into account the additional demand required and the electric infrastructure of all those locations around Athens. The consideration of aggregated demand curves can provide useful information for forming effective energy efficiency policies, but as well as smart energy tariffs.</p>		

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CV:

Dr. Vassilis (Basil) PSILOGLOU was born in Athens, Greece, in 1967.

He holds a Bachelor Degree in Mathematics (NKUA, 1989), a M.Sc. degree in Meteorology/Environmental Physics (NKUA, 1992) and a Doctorate in Atmospheric Physics (NKUA, 1997 – Atmospheric broadband model for computation of solar radiation at the Earth's surface).

Employed in 2001 in the Institute for Environmental Research and Sustainable Development (IERSD), of the National Observatory of Athens (NOA), and currently holds a position of Senior Researcher.

Head of the Laboratory of Meteorological Device Calibration (LMDC) of NOA, providing (a) calibration services for meteorological instruments and actinometers to the private and public sector, (b) education and technical support to the use of meteorological sensors and instrumentation, and (c) consulting services of meteorological equipment.

Responsible scientists for the Actinometric Stations at Thission and Penteli, in Athens and for four other automatic actinometric-meteorological stations in other places in Greece.

Participated in 16 EC funded and 15 National Projects.

He has 34 publications in peer reviewed scientific journals with more than 500 citations, 8 publications in Book chapters and more than 100 publications in conference proceedings.

His topics of interest include solar radiation measurements and modeling on horizontal and inclined surfaces, meteorological and air quality measurements and instrumentation, environmental management using GIS techniques, atmospheric physics, investigation of climatic parameters' evolution especially in association with energy consumption characteristics.