Climate Crisis of the Planet and Good Environmental Practices for a Sustainable Future

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“Unusual fluctuations in temperature, the pollution and many other catastrophic actions ought to be an obvious alarm for something to be done with the human behavior.

The principal reason for this catastrophic behavior of contemporary man is his egocentrism, which is another face of self-reliance apart from God and even self-divinization”.

Message by His All Holiness Ecumenical Patriarch Bartholomew upon the Day of Prayer for the Protection of Creation (September 1st)
Stephen Hawking:

“I will pay to send climate change deniers to Venus”

“Climate change is one of the great dangers we face and it’s one we can prevent”
When global warming has happened at various times in the past two million years, it has taken the
planet about 5,000 years to warm 5 degrees. The predicted rate of warming for the next century is at
least 20 times faster. This rate of change is extremely unusual.
Source: https://earthobservatory.nasa.gov/features/GlobalWarming/page3.php
European Environment Agency (EEA)

- **Power plants across Europe (especially coal-fired) are responsible for the largest amounts of key pollutants released into the air.**

Source: www.eea.europa.eu/highlights/coal-fired-power-plants-remain
FOSSIL FUELS ARE A THREAT TO CIVILIZATION, NEW U.N. REPORT CONCLUDES

When DDT was found to be harmful to humanity, it was banned outright. That sensible move now somehow eludes us.

Kate Azimoff
October 9, 2018, 2:49 p.m.
EU says one in eight deaths is linked to pollution

One in every eight deaths in Europe can be linked to pollution, according to a new report by the EU’s environment agency (EEA).
Good Practices
INSTITUTE OF THEOLOGY & ECOLOGY

Department of the Orthodox Academy of Crete
OAC 2017 – 50kW_p, PV
The 1st Net Metering Case in Middle-Voltage on Crete
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OAC 2017 – 50kWp PV
The 1st Net Metering Case in Middle-Voltage on Crete
The annual production of the OAC’s green energy is 75 MWh

40.5 Tones of CO₂ are saved per year

Up to 80% of OAC’s daytime energy needs is covered by RES
Conferences for the Energy Future and Energy Communities

Orthodox Academy of Crete
Energy Communities in Europe

Amount of REScoops per country

- Germany has 800 REScoops
- Denmark has 657 REScoops
- Austria has 390 REScoops
- Netherlands has 110 REScoops
- Sweden has 108 REScoops
- Finland has 79 REScoops
- Italy has 74 REScoops
- France has 60 REScoops
- United Kingdom has 45 REScoops

Total amount of REScoops in Europe: 2397
Kissamos (Crete – Greece) 1945
Establishment of the First Energy Community in Crete

Πηγή: https://sadentrepese.blogspot.gr/2017/02/blog-post_1.html
St Georgios Church, (Pyrgos) Kastelli – 1st of September 2019
Church in Hoofddorp (The Netherlands)

St Mark Church – Ottawa (Canada)

www.stmarksottawa.ca/solar.html
Tycroes Primary School, Carmarthen (Wales, UK)
https://www.1visionsolar.co.uk/case-study/tycroes-primary-school-carmarthen
The OAC’s Educational Program: “Interactive – Experimental Paper Recycling Laboratory with Introduction to Renewable Energy Sources and Sustainable Resources Management”
Renewable energy – An Opportunity For Energy Democracy

Source: https://susdev.eu/renewable-energy-an-opportunity-for-energy-democracy
Compost at the OAC:
Producing natural plant nutrient
Walks on the OAC’s Natural Stone Pathways
Tree planting at the OAC by volunteers – December 9th, 2018
New Technologies
Training on religion as a lever towards mental and physical health

www.religion-health.eu
Conclusions

• The respect to the natural environment is a matter of **survival**.

• Local communities can take actions for a **just and sustainable future**.

• A new way of life is necessary to take into account the Climate Crisis:

  ≫ *To make Earth a better place for everyone.*
감사합니다

Danke

Ευχαριστίες

Кöszönöm

Dank

Gracias

Seé

谢谢

Merci

ありがとう

Natick

Dalu

Obrigado

Grazie

Tack

Orthodox Academy of Crete