First Smart and Sustainable Development Convention

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The Cyprus Institute

A Regional Hub for Scientific Excellence





Energy, Environment & Water Research Center (EEWRC)





Sustainable Development

- In 2016 the UN-2030 Agenda for Sustainable Development officially

- Alms in ending all forms of poverty, fight inequalities and tackle climate change

SUSTAINABLE GEALS DEVELOPMENT GEALS



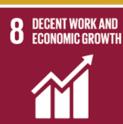










































Energy and Sustainable Development

the present use of fossil fuels can meet this fundamental requirement of "sustainability"



All uses of energy end up with emissions into the environment, mostly the air.

Energy and Sustainable Development

A common and progressive problem-solving approach is needed with adapted strategies and tools aimed at reducing energy consumption and improving the environment.

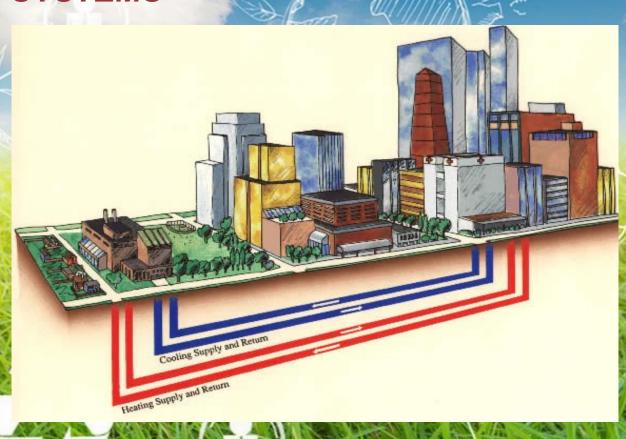


Energy and Sustainable Development

VIABLE ENERGY SYSTEMS

Adoption of sustainable energy supply systems, using renewable sources such as solar energy, wind, geothermal and biomass, (heating and cooling).

It is perhaps the most advanced and efficient strategy for penetrating wable energy options





Techniques of this form have reached a very high level of maturity and already contribute to improving the energy balance of buildings, Smart Cities and beyond.

A NEW APPROACH



Smart and Sustainable Development

- None of the above priorities should be addressed individually.
- ☐ The nature of the problems requires integrated, comprehensive theoretical and practical solutions. In other words,

A NEW APPROACH

- Reduce the international tensions, environmental pollution, and the dangers from global warming from energy production and use, and instead
- Provide jobs, energy resource security, energy cost stability, ecological sustainability, and a clean environment, for our children and their children
- From the inexhaustible, renewable resources on our own land.



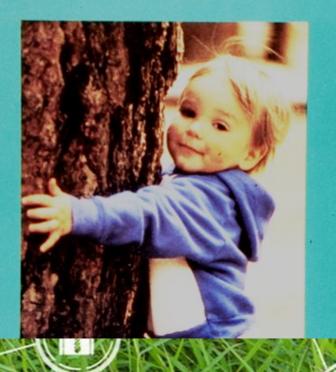
Smart and Sustainable Development



Treat the earth well.

It was not given to you by your parents. It was loaned to you by your children."

Kenyan Proverb



THANK YOU!

Prof. Despina Serghides





