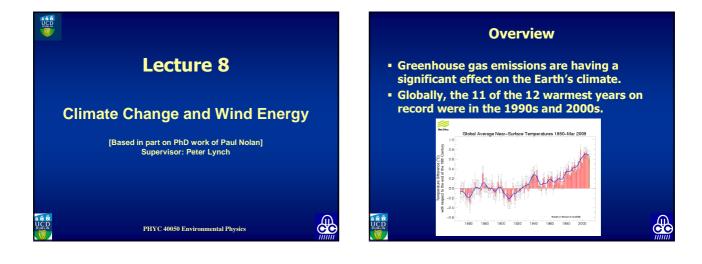


Climate, Climate Change Nuclear Power and the Alternatives

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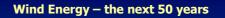
Peter Lynch

Meteorology & Climate Centre School of Mathematical Sciences University College Dublin PHYC 40050 Environmental Physics



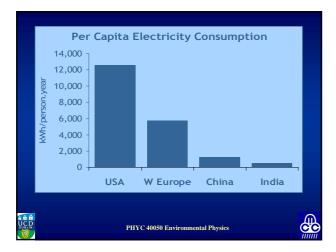
Overview

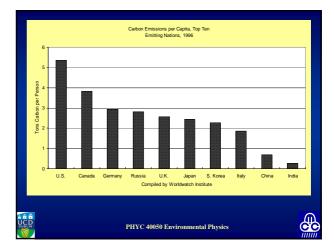
- Temperatures in Ireland have mirrored this global trend
- Changes in the wind climatology are expected
- New increased target of 40% of electricity from renewable resources by 2020
- It is vital to model the impact of climate change on future wind patterns over Ireland.



- 50 year world outlook: context population stablized or declining, oil and gas running out, coal restricted, nuclear?
- Nearer term oil limited to transport sector
- Global energy demand and resources of renewables available.

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