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# UCC

**University College Cork, Ireland**  
 Coláiste na hOllscoile Corcaigh

## A Window of Opportunity to Promote Energy Inclusion and Help Tackle Energy Poverty



Climate change, global warming, and significant events (wildfires, floodings, high temperatures, droughts). Funding to be increased to secure global net zero.



Previous experiences have fallen short of results.  
**X**  
Ambitious measures and goals.



Transition the energy matrix from fossil fuels to renewable Distributed Energy Resources (DER) offers a window of opportunity to promote energy inclusion through financing schemes for renewable energy.



**Customers acting as PROSUMERS.**  
New business models capable of managing their relationship with each other and with the energy grid service providers.  
Increased complexity X several unforeseen risks that need to be identified and managed.

### Challenging integration

- photovoltaic panels.
- smart meters.
- batteries systems.
- IoT and other devices (distinct locations) .



### Decarbonisation



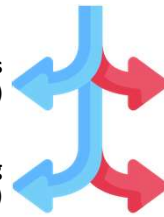
### Digitalisation

Digital technologies to integrate aspects of the energy system.

## CENTS COOPERATIVE ENERGY TRADING SYSTEM

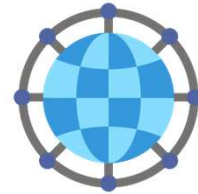
**Business models**  
(adaptive new models)

**Policymaking**  
(support to policymakers)



**Community Energy**  
(social impact)

**Energy Trading**  
(customer engagement)



### Decentralisation

Generation and management.



### Democratisation

DER offer relatively cheaper alternatives for power generation of clean energy



@centsproject

Unprecedented opportunities to promote clean energy



Available Supporting Technologies



Energy Inclusion & Social Transformation

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