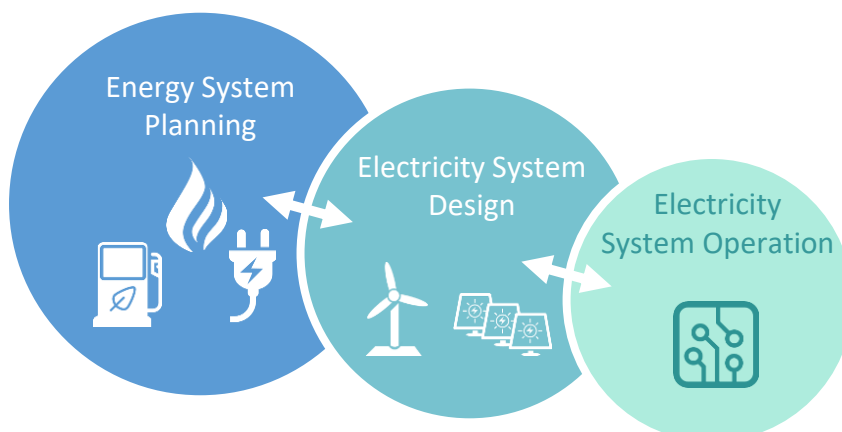


CREDENCE Showcase Event June 29th

The CREDENCE Showcase Event will share some of the research, insights, impacts and outcomes of the 1st US-Ireland Centre to Centre research project focusing on environment and sustainability.



- The US and Ireland have set very ambitious emissions reduction **targets** over the next 10-15 years to address climate change.
- The **US-Ireland partnership** programme supports the **CREDENCE** research project to generate new knowledge that directly supports these policy ambitions.
- We have analyzed **carbon emissions reductions** in both the US and Ireland through increased renewable energy deployment and electrification of heat and transport.
- The impacts of CREDENCE are clearly visible through the **policy support** we are providing to the Department of Environment, Climate and Communications in revising Ireland's Climate Action Plan.
- CREDENCE is also **supporting industry** e.g. Electric Power Research Institute launching their European Headquarters in Dublin.
- CREDENCE is **empowering society**, for example through the Dingle Peninsula 2030 projects that combines rural development with climate action.



CREDENCE (Collaborative REsearch of Decentralization, Electrification, Communications and Economics) explores two key dimensions of the shift to a renewable-based energy system, namely how much of our future heat and transport energy needs will be met with electricity? and what are the optimal levels of decentralization for future energy systems?

CREDESCENCE Showcase Event June 29th

Session 1: Presentations - 1 hour 40 minutes

| | | |
|--------------------------------------|---|---|
| 14.15* 09:15** | Brian Ó Gallachoir | Welcome and Introduction (5 minutes) |
| Joe DeCarolis (FREEDM) | Improving our understanding of electrification and decentralization across the US, Ireland and Northern Ireland | |
| Aoife Foley (QUB) | Dynamic impacts of renewable generation distributed generation and emerging smart loads on the power system | |
| David Laverty (QUB) | The novel use of open hardware to assess electrical power quality | |
| John Curtis (MAREI / ESRI) | The role of public attitudes and residential electricity consumers in renewables integration | |
| Brian Ó Gallachoir (MaREI) | Dingle Peninsula rural energy transition - CREDESCENCE Project Case study | |
| 15:35* 10:35** | Aoife Foley | Q&A session (20 minutes) |
| 15:55* 10:55** | Break | (5 minutes) |

Session 2: Reflections – 50 minutes

16:00* Reflections on research and the value of this program in terms of Irish American
11:00** collaboration, including contributions from

| | |
|---------------------------|---|
| Brian Ó Gallachoir | - MaREI |
| Dan Mulhall | - Ambassador of Ireland to the United States, |
| Ruth Freeman | - Science Foundation Ireland, |
| Roxanne Nikolaus | - US National Science Foundation, |
| Stephen McGonagle | - Department for the Economy NI, |
| Angelina LaRose | - Energy Information Administration, |
| Brian Carroll | - Dept. of Environment, Climate & Communications. |

16:50* Close - Joe DeCarolis
11:50**

*times are listed as IST (Irish Summer Time)

**times are listed as EDT (Eastern Daylight Time)

To register go to: <https://credence-showcase-event.eventbrite.ie>

For more information on CREDESCENCE go to <https://www.marei.ie/project/credence/>