



# National Geothermal Energy Summit

## Programme

9<sup>th</sup> November 2022

St. Laurence's, Technological University Dublin, Grangegorman, Dublin 7

### Opening

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| 9:00 | <b>Introduction</b><br><b>Koen Verbruggen</b> , <i>Director, Geological Survey Ireland</i>     |
| 9:05 | <b>Welcome</b><br><b>David FitzPatrick</b> , <i>President, Technological University Dublin</i> |

### Session 1 – Geothermal Policy Development; how do we unlock our geothermal potential?

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|       | <b>Chair – Marie Cowan</b> , <i>Director, Geological Survey of Northern Ireland</i>                                                                                                              |
| 9:10  | <b>Overcoming barriers and raising awareness; the role of Geological Survey Ireland</b><br><b>Sarah Blake</b> , <i>Geological Survey Ireland</i>                                                 |
| 9:20  | <b>Policy Statement on Geothermal Energy For a Circular Economy</b><br><b>Ian Devlin</b> , <i>Geoscience Policy Division, DECC</i>                                                               |
| 9:35  | <b>Geothermal lessons from Europe</b><br><b>Sanjeev Kumar</b> , <i>European Geothermal Energy Council</i>                                                                                        |
| 09:50 | <b>Geothermal development in the Netherlands – from 0 to 27 geothermal systems in 15 years</b><br><b>Harmen Mijnlief</b> , <i>Netherlands Organisation for Applied Scientific Research (TNO)</i> |
|       | <b>From Geoscience to Market Vision: Policymaking a Geothermal Community Marketplace</b>                                                                                                         |
| 10:05 | <b>Mark Palmer</b> , <i>Queen's University Belfast</i>                                                                                                                                           |
| 10:20 | Q&A                                                                                                                                                                                              |

### 10:40 Coffee & Tea Break

### Session 2 - Placing geothermal energy in the mix for District Heating

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|       | <b>Chair - Stephen Cull</b> , <i>Dublin City Council</i>                                                                                                                          |
| 11:00 | <b>Shallow geothermal energy for district heating: University of Galway GEOFIT pilot experience</b><br><b>Tiernan Henry</b> , <i>Ollscoil na Gaillimhe – University of Galway</i> |
| 11:15 | <b>Eden Geothermal Project: Progress Update &amp; Future Plans</b><br><b>Robbie Bilsland</b> , <i>Eden Geothermal Ltd.</i>                                                        |
| 11:30 | <b>A geothermal district heating network in the heart of Dublin</b><br><b>Paul McDunphy</b> , <i>Technological University Dublin</i>                                              |
| 11:45 | <b>SEAI National Heat Study: Key insights and recommendations for decarbonising the Heat Sector</b><br><b>Niamh O'Sullivan</b> , <i>Sustainable Energy Authority of Ireland</i>   |
| 12:00 | <b>Turning policy into action: the District Heating Steering Group</b><br><b>Danielle McCormack</b> , <i>Department of the Environment, Climate and Communications</i>            |
| 12:15 | Q&A                                                                                                                                                                               |



## 12:30 Lunch

### 13:30 Minister's Address

**Ossian Smyth TD**, *Minister of State, Department of the Environment, Climate and Communications*

## Session 3 - Quantifying our geothermal potential

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|       | <b>Chair – Seán Finlay</b> , <i>Geoscience Ireland</i>                                                                                       |
| 13:50 | <b>Designing the National Geothermal Database</b><br><b>Rory Dunphy</b> , <i>CGC/Geological Survey Ireland</i>                               |
| 14:05 | <b>Leveraging existing data to understand geothermal resources</b><br><b>Koen Torremans</b> , <i>University College Dublin</i>               |
| 14:20 | <b>Fault and fracture permeability in Ireland's subsurface</b><br><b>John Walsh</b> , <i>University College Dublin</i>                       |
| 14:35 | <b>Improving Existing Temperature and Heat Flow Models in Ireland</b><br><b>Emma Chambers</b> , <i>Dublin Institute for Advanced Studies</i> |
| 14:50 | Q/A                                                                                                                                          |

## 15:10 Coffee & Tea Break

## Session 4 - How can we build and support our geothermal sector?

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|       | <b>Chair - Aoife Braiden</b> , <i>RML/Geological Survey Ireland</i>                                                                                        |
| 15:30 | <b>Geothermal in Ireland – sector progress and barriers to development</b><br><b>Riccardo Pasquali</b> , <i>Geoserv</i>                                    |
| 15:45 | <b>What needs to be in-place to promote the use of geothermal in Ireland?</b><br><b>Niall McCormack</b> , <i>Geothermal Association of Ireland</i>         |
| 16:00 | <b>Geological guarantee schemes: strategic tools for the development of deep geothermal energy in France</b><br><b>Christian Boissavy</b> , <i>GEODEEP</i> |
| 16:15 | Q&A                                                                                                                                                        |

## Roundup panel discussion (learnings from the day and next steps)

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| 16:30 | <b>Marie Cowan</b> , <i>Geological Survey of Northern Ireland</i><br><b>Sanjeev Kumar</b> , <i>European Geothermal Energy Council</i><br><b>Harmen Mijnlief</b> , <i>TNO</i><br><b>Riccardo Pasquali</b> , <i>Geothermal Association of Ireland</i><br><b>Mark Geraghty</b> , <i>Technological University Dublin</i> |
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## Closing

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| 16:55 | <b>Closing Statement</b><br><b>Sarah Blake</b> , <i>Geological Survey Ireland</i> |
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