

Fortum and Neste Foundation Focus Domains

A Power and heat production

- A.1 Hydro (incl. pumped hydro)
- A.2 Wind
- A.3 Solar
- A.4 Wave
- A.5 Geothermal energy
- A.6 Biomass
- A.7 Waste
- A.8 Nuclear fission
- A.9 Nuclear fusion
- A.10 Nuclear waste
- A.11 Gas

B Electricity distribution

- B.1 Network/Lines
- B.2 Substations/Equipment
- B.3 Smart grids

C Heat and cooling distribution

- C.1 Network/Pipes
- C.2 Substations/Equipment
- C.3 Efficient use

D Efficient use of electricity and heating/cooling

- D.1 Industry
- D.2 Services
- D.3 End-customers
- D.4 Electric transportation
- D.5 System integration incl. excess heat

E New solutions based on flexibility, storages and decentralization

- E.1 Energy storages
- E.2 Battery storages (BESS)
- E.3 Hydrogen incl fuel cells
- E.4 Demand side management / Demand response
- E.5 Virtual power plants/Load aggregation
- E.6 Smart cities and clusters
- E.7 Prosumers

F Oil refining and transportation fuels

- F.1 Raw materials for fossil fuels
- F.2 Raw materials for renewable fuels
- F.3 Processes for fossil fuels
- F.4 Processes for renewable fuels
- F.5 Co-processing
- F.6 Fossil fuel products
- F.7 Renewable fuel products
- F.8 Efficient use of energy in transportation

G Bioeconomy, Circular-economy and Chemistry

- G.1 Chemical energy technologies
- G.2 Integration between industrial clusters
- G.3 Biorefining technologies
- G.4 Speciality products
- G.5 Solutions for circular-economy and battery recycling
- G.6 CCU/CCS

H Novel materials for energy technologies

- H.1 Catalysis and catalysts
- H.2 Corrosion
- H.3 Superconductivity
- H.4 Materials for energy solutions incl. solar, energy storages and electrolyzers

I New digital solutions for energy industry

- I.1 AI / Machine learning
- I.2 Automation
- I.3 Predictive methods
- I.4 Simulation and modelling incl. digital twins

J System resilience and security

- J.1 Cyber solutions
- J.2 AI-related solutions
- J.3 Security of supply

K Market mechanisms

- K.1 Nordic
- K.2 EU
- K.3 Global
- K.4 Market models
- K.5 New business models

L Environmental, socio-economic, behavioral issues

- L.1 Society incl. biodiversity
- L.2 Enterprise-level
- L.3 End-customers

Z Other