

GREET GEO VALUE CHAINS & BUSINESS CASES

Sustainable • Integrated • Efficient • Innovative • Resilient

DEEP GEOTHERMAL



GEOTHERMAL POWER AND UPSTREAM

1



Zero emission power plants

2



Flash power plants

3



Modular ORC



THERMAL USES AND DISTRICT HEATING AND COOLING

4



Geothermal DHC development

5



Geothermal DHC Integrated with Solar Thermal Energy

6



Geothermal Balneology and Wellness



GEOTHERMAL BRINE VALORISATION

7



Lithium extraction

8



Geothermal Applications in Cosmetics Production

9



CO₂ extraction

10



CO₂ utilization



AGRIFOOD AND INDUSTRIAL GEOTHERMAL APPLICATIONS

11



Paper industry applications

12



Microalgae cultivation

13



Geothermal brewery

14



Geothermal District Heating with Waste Heat Utilisation in Agriculture

15



Geothermal Applications in the Dairy Industry

SHALLOW GEOTHERMAL



URBAN GEOTHERMAL DISTRICT ENERGY INFRASTRUCTURE

1



Heritage-Compatible Geothermal District Heating and Cooling

2



BTES-Integrated Geothermal District Energy Systems

3



Circular Reuse of Abandoned Wells for Urban Geothermal Heating and Cooling



INDUSTRIAL GROUND SOURCE HEAT PUMPS

4



Heat Pump Manufacturing and Supply Chain Development

5



Industrial Ground Source Heat Pump Deployment and Scaling



Deep geothermal value chains



Shallow geothermal value chains