

Geothermal Association of Ireland Next ten years.

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FIRST TEN YEARS

- FOUNDED 1998
- PARTNERS IN EU THERMIE B PROJECT ON THE PROMOTION OF THE USE OF HEAT FROM EXISTING GROUNDWATER SOURCES

Irish Partners

- BRIAN P CONNOR & ASSOCIATES
- CORK COUNTY COUNCIL
- DUNSTAR LIMITED
- GEOLOGICAL SURVEY OF IRELAND
- FIRST MEETING WAS HELD IN SPA HOUSE MALLOWS

Sample Activities

- FIRST VERTICAL CLOSED LOOP SYSTEM IN IRELAND
- FIRST GEOTHERMAL SYSTEM TO USE EXISTING WATER SUPPLY AS HEAT SOURCE
- FIRST DEEP GEOTHERMAL WELL, NEWCASTLE
- DEVELOPMENT OF LEE VALLEY GRAVEL AQUIFER FOR GEOTHERMAL SYSTEMS

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NEXT TEN YEARS BIG PICTURE



- REDUCTION IN HYDROCARBON RESOURCES – OIL & GAS
- ENERGY CONSERVATION
- INCREASED USE OF RENEWABLE ENERGY
- CLIMATE CHANGE
- SECURITY OF SUPPLY

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GEOTHERMAL ENERGY



SHALLOW

- OPEN LOOP SYSTEMS
- GROUND WATER ALSO USED FOR OTHER PURPOSES
- CLOSED LOOP SYSTEMS
- HORIZONTAL LOOPS
- VERTICAL LOOPS
- ENERGY PILES
- HEATING AND COOLING

ELECTRICAL ENERGY NEEDED FOR ALL SYSTEMS

DEEP

- ELECTRICITY PRODUCTION
- LARGE SCALE HEATING
- TOURISM THERMAL SPA RESORTS
- MEDICAL HYDROTHERAPY
- HORTICULTURE
- ENERGY CASCADING USE

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GAI ACTIVITIES NEXT TEN YEARS

PROMOTION OF THE USE OF ALL GEOTHERMAL ENERGY

- MONITOR ON GOING DEVELOPMENTS WORLD WIDE
- IDENTIFY NEW DEVELOPMENTS THAT COULD BE USED IN IRELAND
- PROMOTE THE NEW DEVELOPMENTS BY INFORMATION AND DEMONSTRATION.

TARGET AUDIENCES

- GOVERNMENT
- LOCAL AUTHORITIES
- UNIVERSITIES AND RESEARCH BODIES
- DEVELOPERS
- CITIZENS

CITIZENS

- ENERGY MANAGEMENT AGENCIES
- LEADER COMPANIES
- LOCAL ENERGY CO-OPERATIVES.

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GEOTHERMAL ASSOCIATION OF IRELAND NEXT YEAR ACTIVITIES

- WORKSHOP ON ENERGY PILES CORK
- VISIT TO THERMAL SPAS IN EUROPE
- TALKS FROM GUEST SPEAKERS
- LEADER COMPANIES
- ENERGY MANAGEMENT AGENCIES
- FURTHER DEVELOPMENT OF WEB SITE

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**THANK ALL WHO WERE INVOLVED IN
TODAY'S CONFERENCE & THE DEVELOPMENT
OF GAI OVER LAST TEN YEARS**

- **SESSION CHAIRPERSON**
- **SPEAKERS**
- **SPONSORS**
- **EXHIBITORS**
- **AUDIENCE**
- **COMMITTEE**
- **PERVIOUS & CURRENT COMMITTEE MEMBERS**
- **HOTEL**