

CHARTER FOR THE INTERNATIONAL PARTNERSHIP FOR GEOTHERMAL TECHNOLOGY

The undersigned national governmental entities (collectively the “Members”) set forth the following Terms of Reference for the International Partnership for Geothermal Technology (IPGT), a framework for international cooperation in geothermal energy technology, policy and model development. The IPGT seeks to realize the promise of geothermal energy by facilitating the accelerated deployment of geothermal technologies at a rate consequential to impact energy security and climate challenges.

1. Purpose of the IPGT

To facilitate the development of advanced, cost-effective geothermal energy technologies; to accelerate the availability of these technologies internationally; and to identify and address wider issues relating to geothermal energy. IPGT activities may include promoting the appropriate technical, political, financial and regulatory environments for the development and deployment of such technology. The primary focus of IPGT collaborations will be enhanced geothermal systems (EGS) and deep drilling technologies for EGS and supercritical hydrothermal sources. Members also intend to share knowledge on methods to accelerate deployment of conventional geothermal technologies.

2. Function of the IPGT

The IPGT seeks to:

- 2.1 Identify key obstacles to achieving improved technological capacity;
- 2.2 Identify and recommend potential areas of multilateral collaborations on geothermal technologies, which may include drilling, reservoir characterization, reservoir fracturing, power conversion, modeling, education and training, environmental impact assessment and monitoring, and resource assessments;
- 2.3 Exchange best practices on accelerated geothermal deployment; for example, policies, financing, and loan guarantees;
- 2.4 Foster and promote collaborative research, development and deployment projects;
- 2.5 Establish guidelines for collaborations and reporting of results;
- 2.6 Prioritize and evaluate collaborative technology developments and make recommendations on the direction of such projects;

- 2.7 Promote collaboration with all sectors of the international research community, including industry, academia, government and nongovernment organizations;
- 2.8 Develop a framework for sharing best technology applications, policies and financing schemes;
- 2.9 Identify interoperable codes and standards and work toward international standards where appropriate;
- 2.10 Foster education and training programs to grow human capital in the geothermal industry and work toward international standards where possible;
- 2.11 Exchange best practices on social and environmental issues, including community consultation and environmental assessment and monitoring; and
- 2.12 Conduct such other activities to advance achievement of the IPGT's purpose as the Members may determine.

3. Organization of the IPGT

- 3.1 The Members hereby establish a Steering Committee, composed of two representatives of each Member. Other individuals may attend the Steering Committee meetings by invitation of the Steering Committee.
- 3.2 The Steering Committee is to govern the overall framework and policies of the IPGT, periodically review the program of collaborative projects, and provide direction to the secretariat (Section 3.6). The Steering Committee should meet at least once a year, at times and places to be determined by its members.
- 3.3 All determinations of the Steering Committee should be made by consensus.
- 3.4 The Steering Committee may create project groups to work on individual projects as needed.
- 3.5 A representative from each project group, as selected by the group, should report to the Steering Committee at annual meetings. The project groups should meet as often as necessary to review the progress of collaborative projects, identify promising directions for research, and make recommendations to the Steering Committee on needed actions.
- 3.6 The principal coordinator of the IPGT's communications and activities is the IPGT secretariat. The functions of the secretariat are: (1)

organize the meetings of the Steering Committee and its project groups, (2) arrange special activities such as teleconferences and workshops, (3) receive and forward new membership requests to the Steering Committee, (4) coordinate communications with regard to IPGT activities and their status, (5) act as a clearinghouse of information for the IPGT, (6) maintain procedures for key functions that are approved by the Steering Committee, and (7) perform such other tasks as the Steering Committee directs. The functions of the secretariat are administrative. The secretariat does not act on matters of substance except as specifically instructed by the Steering Committee.

- 3.8 Members of the IPGT secretariat are to be selected by consensus of the Steering Committee upon nomination of individual IPGT Members, initially at the first meeting of the Steering Committee and thereafter from time to time as the need arises. The individuals serving as the secretariat are to be remunerated by their respective employers and remain subject to their employers' conditions of employment.
- 3.9 The secretariat may, as required, use the services of personnel employed by the Members and made available to the secretariat. Such personnel are to be remunerated by their respective employers and remain subject to their employers' conditions of employment.
- 3.10 Each Member should individually determine the nature of its participation in the IPGT activities.

4. Membership

- 4.1 This Charter, which is administrative in nature, does not create any legally binding obligations between or among its Members. Each Member should conduct the activities contemplated by this Charter in accordance with the laws and regulations to which it is subject and international agreements to which its government is a party.
- 4.2 Membership in the IPGT is open to other national governmental entities upon invitation of the Steering Committee acting by consensus.
- 4.3 At the invitation of the Steering Committee acting by consensus, technical and other experts from within and without IPGT Member organizations may participate in projects promoted by the IPGT.

5. Funding

Unless otherwise determined by the Members, any costs arising from the activities contemplated by this Charter are to be borne by the Member that incurs them. Each Member's participation in IPGT activities is subject to the availability of funds, personnel and other resources.

6. Open Research and Intellectual Property

- 6.1 To the extent practicable, the R&D fostered by the IPGT should be open and non-proprietary.
- 6.2 The protection and allocation of intellectual property, and the treatment of proprietary information, generated in R&D collaborations under IPGT auspices should be defined by implementing arrangements between or among the participants concerned.

7. Commencement, Extension, Modification, Withdrawal, and Discontinuation

- 7.1 Commencement and Modification
 - 7.1.1 Activities under this Charter may commence upon signature of at least three national governmental entities, and continue for 4 years unless discontinued by the Members in writing.
 - 7.1.2 This Charter may be modified in writing at any time by the Members.
- 7.2 Extension, Withdrawal and Discontinuation
 - 7.2.1 By written arrangement, the Members may extend this Charter for additional periods.
 - 7.2.2 A Member may withdraw from the IPGT by giving written notice to the other Members 90 days prior to its anticipated withdrawal. The Members may terminate this Charter by written arrangement at any time.

Signed at Keflavik on the twenty-eighth day of August, 2008.

FOR THE MINISTRY OF RESOURCES, ENERGY AND TOURISM
OF THE GOVERNMENT OF AUSTRALIA:



FOR THE MINISTRY OF INDUSTRY, ENERGY AND TOURISM OF
THE REPUBLIC OF ICELAND:



FOR THE DEPARTMENT OF ENERGY OF THE UNITED STATES
OF AMERICA:

A handwritten signature in black ink, appearing to be "John" or similar, written in a cursive style.