

IMPORTANT DATES

PAPER SUBMISSION

31 January 2009	Abstract Submission
1 April 2009	Notification
31 May 2009	Draft Technical Paper submission
30 October 2009	Final Technical Paper submission

REGISTRATION

Before 30 November 2009	EARLY
1 December 2009 - 28 February 2010	NORMAL
1 March 2010 onward	LATE

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Indonesian Geothermal Association (INAGA) /API Secretariat

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Jl. Gatot Subroto, Kav.18 - Jakarta 12950, Indonesia
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The 2010 World Geothermal Congress

- Convener : International Geothermal Association (IGA)
- Co-Convener : Indonesian Geothermal Association (INAGA)
- Endorsed by : Ministry of Energy and Mineral Resources of the Republic of Indonesia
- Theme : Geothermal: The Energy to Change the World
- Date : 25-30 April 2010
- Venue : Bali International Convention Centre, Bali - Indonesia

Energy Independence Powered by Geothermal.

New Energy Future being nurtured in Bali. As the ministers, dignitaries and experts from different countries gather in Bali to participate in the World Geothermal Congress and Exhibition 2010 from 25-30 April 2010, the stage is set for exchange of ideas and sharing of experiences not only on technical and financing aspects but also on policy and global politics of the energy sector. Highlights of the event include high powered panel discussions, Chief Executive Officer summit, Exhibition and a Bali Declaration by the Congress participants.

The climate change issue and more recently, the energy security concerns triggered by the oil price hike have resulted in geothermal energy resource emerging as a mainstream energy option.

Worldwide geothermal power capacity approached 10GWe at the end of 2006 and is expected to increase by another 2GWe by 2010. In Indonesia more than 1000 MW of geothermal power capacity has been installed. Not surprising therefore, that WGC2010 has received an overwhelming response from all over the world. Participants from 80 countries are expected to participate in this mega event of the year and 800 presentations will highlight the latest development in worldwide geothermal energy utilization. The congress has other than academicians, experts and policy makers, also participants from the leading geothermal industry players. We will respond to the call for papers and the stage is set for high level deliberations on key issues such as Keynotes, Case Histories, Country Updates, Environmental and Societal Aspects, Legal and Regulatory Aspects, Economic and Financing, Privatization, Sustainability, Geosciences, Engineering and Reservoir Engineering, Drilling Technology, Grid Integration, possible role of international renewable energy agency and climate change.

WGC2010 is supported by many governments with high-level representatives attending from China, Germany, Iceland, Indonesia, Italy, Japan, Kenya, Mexico, New Zealand, The Philippines, Uganda and USA. And also from international institutions and financial organizations such as The World Bank, UNEP and European Union.

Indonesian Geothermal Association (INAGA)



MESSAGE FROM THE MINISTER OF ENERGY AND MINERAL RESOURCES OF THE REPUBLIC OF INDONESIA



It is a great honour for Indonesia to be entrusted with the organizing of the **World Geothermal Conference 2010 (WGC2010)**.

The upcoming WGC2010 is an important step towards the many efforts taken to overcome the energy crisis that is being experienced by many countries on this planet.

Geothermal is proven to be a very important source of energy and much can be learned thru exchange of information, experience, technology and extensive networking, all of which is scheduled to be on the agenda at WGC2010.

Indonesia has large resources of geothermal, an estimated 40% (27,000 MWe) of the world's total quantity and only 4% (1052 Megawatt) has been exploited. This still leaves a large amount open for exploration, exploitation, edification, scientific analysis, etc – all for the good of **"Geothermal: the Energy to Change the World"**

An added pleasure for the participants of WGC2010 is that the conference will be held on the island of BALI, a very popular resort for time-off for travelers from all over the world.

As preparations are already going on and everything is being done for an efficient and fruitful conference, I am confident that WGC2010 is a milestone in mitigating the risk of the energy crisis and a step towards conquering the danger of global warming.

Till we meet in Bali.

Purnomo Yusgiantoro

INVITATION FROM THE PRESIDENT OF THE INTERNATIONAL GEOTHERMAL ASSOCIATION (IGA)



WGC2010 will be a key geothermal event. Our next World Conference will take place in a geographic region that is blessed with great potential and shows large-scale development and use of geothermal energy. WGC2010 shall provide a global forum of scientific and technical information about the latest news about resource utilization, technology innovation, production sustainability, environmental benefits, risk mitigation and market development. Presentations will be made by managers of geothermal exploration and field development, power plant operators, representatives of national and local utilities, of environmental and energy agencies, policy makers and investors as well as by scientists and engineers both from the power generation and direct use sectors. A trade show with technical exhibits will allow participants to view the latest products and to receive information from commercial companies involved in geothermal activities. At the same time, existing business contacts can be renewed and new ones established.

World Geothermal Congresses, which are held every five year, are milestones of the International Geothermal Association (IGA) activity. For WGC2010, IGA and the host country share the organizational tasks: IGA is the Convenor and the Indonesian Geothermal Association (INAGA) is the Sponsor and Organizer. Whereas IGA is responsible for the Technical Programme, Plenary Sessions, Short Courses, Fellowships, and Publications on behalf of INAGA, the creation and management of the Field Trips, Exhibition, Social and Cultural Events, and Programme for Accompanying Persons are vested with INAGA. IGA's Steering Committee (SC Chairman: Gordon Bloomquist) and INAGA's Organizing Committee (IOC Chairman: Herman Darnel Ibrahim) are now efficiently working together with enthusiasm and in good spirit to organize a great event.

The Conference venue is absolutely unique: the renowned Westin Resort and Conference Center (the venue of the United Nations Climate Change Congress, December 2007) in Nusa Dua, Bali - Indonesia, with its rich cultural heritage, lush vegetation and fabulous beaches. I am convinced that both the venue and the geothermal event have the potential to provide a lifetime experience. Let me thus cordially invite you to participate in WGC2010.

Ladislaus Rybach

FOREWORD FROM THE PRESIDENT OF THE INDONESIAN GEOTHERMAL ASSOCIATION (INAGA)



As time is coming closer to the holding of the **World Geothermal Congress 2010 (WGC 2010)**, it is with great expectation that we look forward to this very important event that will lead us to ways of overcoming the global energy crisis.

It is a great honour for the Indonesian Geothermal Association to be entrusted with the huge task of organizing the World Geothermal Congress 2010 in Bali, Indonesia.

Indonesia, a country blessed with some 27,000 MW geothermal potentials, presents and offers attractive business opportunities of nearly US\$ 50 Billion in value, especially when considering that less than 5 percent of the potentials has only been developed. It is with determination that the Indonesian Government announced that geothermal development will be given special priority to meet the increasing demand for new and alternative energy sources.

We look forward to the participation of all stakeholders, scientists, engineers and others who are knowledgeable in the geothermal industry from all over the world, in order that with everybody's contribution of their knowledge in this sector, we can come to a fruitful and highly valuable conclusion of the congress.

With all experts doing scientific forums, discussions, exchange of information and the like, we are sure that many problems and complexities can be overcome as a united effort of all concerned whereby an important **WGC 2010 Bali Declaration** can be produced in the interest of the whole world in facing the global warming and environmental danger.

Surya Darma

MESSAGE FROM THE CHAIRMAN OF THE ORGANIZING COMMITTEE



Following the appointment of Indonesia as the host country of the World Geothermal Congress 2010 [WGC 2010] at the Antalya Congress 2005, the Minister of Energy and Mineral Resources of the Republic of Indonesia appointed the WGC 2010 Organizing Committee [OC] in 2006, well ahead of the date of the congress. The OC consist of and is supported by the entire Indonesian geothermal society, including steam producers, power producers, contractors, consultants, academician and the government.

The Organizing Committee has concluded the Master Plan for WGC 2010 leading up to this Second Announcement. For the success of the congress, the OC communicates all its actions and meets periodically with the International Geothermal Association [IGA] and the appointed Steering Committee to ensure that the appropriate decisions are made.

The congress will be held at the Bali International Convention Centre, located in the self contained and popular Nusa Dua resort, where the Conference of Parties on Climate Change took place in last December 2007. The conference and hotel facilities can accommodate more than 2500 participants. The appointed Professional Conference Organizer [PCO] is prepared to facilitate for up to 4000 participants that are expected to come.

As to mitigate the risk of the volatile oil price which may lead to an energy crisis and in order to promote the use of more clean energy, it is time for us the geothermal energy society to develop most of the geothermal fields in Indonesia and worldwide. To all geothermal energy fellow of the world, I cordially invite you to come to Bali and to strive together for the success of this congress and the geothermal development in the future.

I and the entire members of Organizing Committee are prepared to exert the best efforts to meet the expectations for a successful execution of the congress, therefore any comments and suggestions that you might have would be highly appreciated.

For more and up to date information, please visit our website www.wgc2010.org.

Herman Darnel Ibrahim

IGA STEERING COMMITTEE

- Chairman**
R. Gordon Bloomquist
- Finance Chairman**
Jim Lawless
- Technical Programme**
Roland N. Horne

- Short Courses**
Beata Kepinska
- Publications**
Eduardo Iglesias Rodriguez
- Fellowships**
Mahmut Parlaktuna and Jim Koenig

HOST COUNTRY

CONFERENCE PATRON STEERING COMMITTEE

- Minister of Energy and Mineral Resources
- Minister of Foreign Affairs
- Minister of Tourism
- Minister of Research and Technology
- Head of National Development Planning

ADVISORY BOARD STEERING COMMITTEE

- Sec. Gen. of the Ministry of Energy and Mineral Resources, Dir. Gen. of Electricity and Energy Utilization, The Governor of Bali Province, Pres. Dir. of PT Pertamina (Persero), Pres Dir. of PT PLN (Persero), President of INAGA, Sonny Keraf, Wimpy S. Tjetjep, Roes Aryawijaya, Nenny Sri Utami, Vincent T. Radja

STEERING COMMITTEE

- Chairman**
Director General of Mineral, Coal & Geothermal
- Co Chairman**
Deputy President Director PT Pertamina (Persero)
Director of Planning and Technology of PT. PLN

- Members**
Senior VP Director of Pertamina Upstream
President Chevron Geothermal of Indonesia
President Director PT. Indonesia Power
President Director Medco Energy
Managing Director/CEO Star Energy/MNL
President Director PT. Pertamina Geothermal Energy
President Director PT GeoDipa Energy

ORGANIZING COMMITTEE

- Chairman**
Herman Darnel Ibrahim
- Vice Chairmen**
Sukusen Soemarinanda
R. Sukhyar
Agusman Effendi
- Secretary General**
Surya Darma
Djoko Prasetyo and Agus Mulyono
- Treasurer**
Bakti S. Luddin
Jimmy Zein Basalama and Fazil Alfitri
- Planning & Budget**
Puguh Sugiharto
Syafra Dwipa and Antonius R. Artono
- Exhibition Substance**
Edwin J. Joenoes
Usman Slamet and Herliyani Suharta
- Technical Programme**
Nenny M. Saptaji
Suroto and Anton S. Wahjosoedibjo
- Short Courses**
Sayogi Sudarman
Pri Utami and Yunus Daud
- Conference Stage Organizer**
Alimin Ginting
Janes Simanjuntak

- Field Trips**
Tonny Agus Mulyantono
Mulyadi and Tavip Azimuddin
- Sponsorship**
Sanusi Satar
J. Dwi Hartanto and Priyandaru Effendi
- Conference & Exhibition**
Michael Sumarijanto
Sugiarto Ganda and Fitria S. Passau
- PR & Promotion**
Tri Harwanto
Hadyanto and M. Utari Hardjono
- Government Relations & Protocol**
Sugiharto Harsoprayitno
Riki F. Ibrahim and Eko Gunarto
- International Relations**
Allan N. Rachman
Ratna Ariati and Aries Pardjianto
- Fellowships**
Amir Fauzi
Novi Ganefianto and Eben E.Siahaan
- Conference Secretariat Office**
Aman S. Rahman
Ismail Zaini and Paul Ratumbanua

IGA ADVISORY BOARD

- John Lund, Trevor Hunt, Ian Thain, Paul Quinlivan and Mineyuki Hanano



This World Geothermal Congress will be held at The Bali International Convention Centre (known as BICC) website at <http://www.baliconvention.com>. BICC is situated in the self-contained resort area of Nusa Dua, which is just 10 km from the Ngurah Rai International Airport. It is also connected through an air-conditioned shopping arcade with the Westin Resort (the main venue hotel) and surrounded by some of Bali's finest five-star hotels and resorts also within walking distance of fantastic shopping, entertainment, restaurants, a championship golf course and a host of other recreational facilities.

The Convention Centre features a main hall which seats 2,500 and an auditorium seating 506. Eight additional function rooms, four of which divide, provide meeting space of totalling 3,490 square meters. The facility also has a number of smaller meeting rooms that could be scheduled for special meetings. Some of the Centre's outstanding capabilities include a fully integrated satellite, telecommunications and media systems, professional in-house staging, simultaneous multi-language translation and state-of-the-art audio visual and presentation facilities.

Exhibition Halls of the Convention Centre boast of a total of almost 5,000 square meters of exhibition space with excellent vehicle access. There are two interiors areas of 1,350 square meters each and 2,000 square meters of outdoor exhibition space. An exclusive bonded warehouse or bond store expedites transport, customs clearance and security of all exhibition/convention commodities.



Plenary Sessions (Keynote Sessions & Panel Discussion)

Hall/Room	Capacity
Nusa Indah Hall	2500
Nusantara Room	1500

Technical Sessions

Hall/Room	Capacity	
Nusantara Room - 1 (1/3)	580	Room A
Nusantara Room - 2 (1/3)	580	Room B
Nusantara Room - 3 (1/3)	580	Room C
Jakarta	580	Room D
Auditorium	506	Room E
Bougainvillea & Orchid	300	Room F
Hibiscus & Frangipani	300	Room G
Medan	360	Room H
TOTAL	3786	

Poster Sessions:

Poster Sessions will be held on 26-30 April 2010 in parallel with the Technical Sessions and about 300 posters will be presented.

Publications:

All papers (both oral and poster presentations) will be published in the Proceedings which will be on CD-ROM. Papers that are accepted but not presented in person or posters will still appear in the Proceedings.

The Programme will include following:

- 1 Pre Congress
 - Short Courses
 - Field Trips
 - Golf Tournament
- 2 Congress / Technical Programme
- 3 Post Congress
 - Field Trips

Tentative Technical Programme (25-30 April 2010)

	Sunday 25 April	Monday 26 April	Tuesday 27 April	Wednesday 28 April	Thursday 29 April	Friday 30 April	
08:30 - 10:10		Opening Session	Keynote Session 2, 3	Panel Discussion 1	Technical Sessions 8 A,B,C,D,E F,G,H	Panel Discussion 2	
10:40 - 12:20	Golf Tournament	Opening of Exhibition	Technical Sessions 2 A,B,C,D,E F,G,H	Technical Sessions 5 A,B,C,D,E F,G,H	Technical Sessions 9 A,B,C,D,E F,G,H	Technical Sessions 12 A,B,C,D,E F,G,H	
12:20 - 1:20		Lunch	Luncheon Talk	Luncheon Talk	Luncheon Talk	Lunch	
1:20 - 3:00		Registration	Keynote Session 1	Technical Sessions 3 A,B,C,D,E F,G,H	Technical Sessions 6 A,B,C,D,E F,G,H	Technical Sessions 10 A,B,C,D,E F,G,H	Technical Sessions 13 A,B,C,D,E F,G,H
3:30 - 5:10		Registration	Technical Sessions 1 A,B,C,D,E F,G,H	Technical Sessions 4 A,B,C,D,E F,G,H	Technical Sessions 7 A,B,C,D,E F,G,H	Technical Sessions 11 A,B,C,D,E F,G,H	Bali Declaration Closing Session
Evening	Welcome Party	TBA (Optional)	Indonesian Cultural Night (Optional)	TBA (Optional)	Farewell Party		

Topics For Technical Programme

Possible topics for the Technical Programme presentation at the WGC2010 include:

- 1 **General Topics**
 - 1.1 Country Updates
 - 1.2 Environmental and Societal Aspects
 - 1.3 Legal and Regulatory Aspects
 - 1.4 Economics and Financing
 - 1.5 Sustainability
 - 1.6 Case Histories
 - 1.7 Energy Pricing and Policies
 - 1.8 Business Strategies
 - 1.9 Geothermal Education
 - 1.10 Geothermal Business Opportunity in Indonesia

2 Earth Science Topics

- 2.1 Exploration
- 2.2 Geology
- 2.3 Geophysics
- 2.4 Geochemistry
- 2.5 Hydrogeology

3 Engineering Topics

- 3.1 Drilling and Completion Technology
- 3.2 Reservoir Engineering
- 3.3 Injection Technology
- 3.4 Field Management
- 3.5 Production Engineering and Steam Gathering Systems
- 3.6 Power Generation
- 3.7 Corrosion and Scaling
- 3.8 Direct Use
- 3.9 Geothermal Heat Pumps
- 3.10 Integrated Energy Systems, Cascaded Uses
- 3.11 District Heating and Agriculture

4 Special Topics

- 4.1 EGS - Enhanced Geothermal Systems (Hot Dry Rock)
- 4.2 Software for Geothermal Applications
- 4.3 Health, Tourism and Balneology
- 4.4 Clean Development Mechanism
- 4.5 Geothermal Hydrogen Technology
- 4.6 Advanced Technology (Magma, Geopressure, etc.)

For detailed information about technical programmes, please contact the Congress Secretariat at email: technicalprogramme@wgc2010.org

CALL FOR PAPERS

The WGC2010 Committee invites submission of papers for the Technical Programme of the 2010 World Geothermal Congress on 25-30 April 2010 at Bali International Convention Centre (BICC), Nusa Dua-Bali, Indonesia. The theme of the 2010 World Geothermal Congress is "Geothermal: the Energy to Change the World".

The WGC2010 will also feature distinguished international Keynote Speakers at its Opening Session, Panel Discussions, Field Trips to several geothermal projects in Indonesia. In addition, the WGC2010 will provide opportunities for exhibitors to show their projects, equipment and services.

Important Deadlines

Submission of abstract, papers and review by the WGC2010 Technical Programme Committee in accordance with the following *strict* deadlines:

- **31 January 2009**, Deadline for Abstract Submission
- **1 February - 30 March 2009**, Technical Programme Committee review of Abstract.
- **1 April 2009**, Notification of acceptance of Abstract.
- **31 May 2009**, Deadline for the Submission of Draft Technical Papers.
- **1 June - 31 August 2009**, Technical Programme Committee review of Draft Technical Papers.
- **1 September 2009**, Technical Programme Committee return submissions to authors following the review, with notification of acceptance and/or need for revisions.
- **30 October 2009**, Deadline for Final Technical Papers. Receipt of final, corrected papers in format specified. Papers not received by this date will not be included.
- **1 February 2010**, Technical Programme Committee notifies authors of assignment of papers for presentation or poster session.

Submission of Abstract and Author Instructions

You can submit your abstracts by visiting the WGC2010 website at www.wgc2010.org. The Committee provides explicit instructions that MUST be followed for preparation and submission of papers. Complete *Author Instructions* are available on the WGC2010 website

Instructions for Preparing Papers

Note: Draft Manuscripts are due 31 May 2009.

The World Geothermal Congress *Proceedings* are purely electronic and will only be published on CD-ROM, not on paper. This means that authors need to take care to prepare their papers carefully to ensure that they will appear properly when loaded by readers from the CD-ROM. All papers must be submitted in electronic form (by e-mail, or on disk) -- we cannot include papers sent by fax or in hard-copy only. Our preferred form for the files is in Word97/98/2K/XP/2003 format (either Windows or Macintosh). The papers should be prepared as a single file, with diagrams all included in the body of the text.

PREPARING YOUR FILES

1. Please use the document template we have provided. This is a firm requirement. Using the template will help provide a uniform format for the final document. You can download the templates from our web page at: <http://www.wgc2010.org>
2. Once you have downloaded the template, type (or paste) your text directly into that template document. Do not try to replicate the template in a separate document, as the appearance will not be the same.
3. It is very important that you use the *styles* in the document. For example, use *Heading 1* style for section headings, *Heading 2* style for subsections and *Caption* style for figure captions. Use *Figure* style for figures and *Reference* style for references. Use *Normal* style for ordinary paragraphs.
4. Do not add extra line breaks between paragraphs or sections. Using the styles will provide the correct spacing between paragraphs and sections.
5. When placing pictures, use *Paste Special* and paste them as *pictures*. This makes the resulting file much smaller and more portable. It is better not to select "*Float Over Text*" (in later versions of Word, set the figure layout to be "in-line with text"). Color diagrams are OK. If your original diagrams are not in electronic form, please scan them. Place your figures in the body of the manuscript, not at the end.
6. If you are using a Macintosh, do not convert your final file to Windows format. Just send us Macintosh format on a Macintosh disk or email.
7. Papers must be in English. Please have your manuscript proofread carefully before submitting. Prior review for English is a good idea.
8. Papers should not be longer than 12 pages in total.
9. Your paper must have a specific name, based on the paper number, e.g. 1234.doc. Submitted papers are handled by a computerized system and the paper will not be recognized unless it is named correctly.
10. The general structure of the paper should be something like: Abstract, Introduction, Sections/Subsections, Conclusions, Nomenclature, References.
11. Special note to Country Update authors: you should include your "standard tables" at the end of your paper (in addition to send the Excel spreadsheet to John Lund, e-mail: john.lund@oit.edu). It works best if you select the table in Excel, then "paste special" and paste as "Picture" in Word. You do not need to include tables that are empty, and it is OK if you have tables of the same number (e.g. Table 1, Table 2 etc.) earlier in your paper. The standard tables are usually too wide to fit in a dual column, so place them in the single column section at the end of the paper.

SUBMITTING YOUR FILES

There are three options to submit your files:

1. By direct upload from website www.wgc2010.org
2. By e-mail to wgc2010@sesmail.stanford.edu
3. Submitting a disk by mail

Note:

- Your final (edited and revised) paper files must arrive at the latest on 30 October 2009

Indonesia has many geothermal manifestations and developments worth visiting. Field trips will be run 2 times, 22-24 April 2010 and 1-3 May 2010 if there is sufficient interest from participants. The tentative field trip destinations are easy and allow visitors to see some of the scenery of Indonesia other than Bali while traveling to and from the congress. An experienced technical guide (tour leader) as well as an English-speaking tourist guide will accompany each trip.



1. FIELD TRIPS BEFORE THE CONGRESS

FT-1 Yogyakarta - Borobudur - Dieng Plateau
(3 Days and 2 Nights, Date: 22-24 April 2010)

(Twin sharing per person USD 605, Single occupants USD 680)

Fly to Yogyakarta by plane in the early morning and drive to Dieng Plateau in Central Java, stopping at the Mendut and Borobudur temple complex and lunch. The Borobudur temple was once regarded as one of the many wonders of the world. Also, stop at Ketep, where participants can see the activities of Mt. Merapi along the way to Dieng. Continue to the town of Wonosobo, a municipality located at the foot of the Dieng Plateau, where participants will rest and spend the night. In the morning, tour the Dieng Geothermal Field, the only geothermal field in Central Java, followed by lunch. After lunch, visit the scenic Candradimuka crater and Dieng Plateau. At 2,000 meters above sea level, the plateau offers a cool and refreshing atmosphere and magnificent sceneries. Return to Yogyakarta in the afternoon for rest and dinner at the Prambanan Temple followed by the Ramayana Ballet. After resting for the night tour the city of Yogyakarta visit the Keraton Yogya (Sultan's Palace). The Keraton has deep philosophical meaning and significant symbols of human life with all its building, courts, carving, trees, and location, before stopping for lunch. In the afternoon, travel to Tamansari, formerly a recreation garden and resting house for the Sultan and Family. Tamansari is also a compound of bathing pool, canals, rooms, and extremely large swimming pool. In the afternoon, return to Denpasar by airplane.

TENTATIVE FIELD TRIP SCHEDULE

Day One Early morning flight DPS - JOG, Yogya - Borobudur (Mendut temple), Ketep, Wonosobo.
Night One Hotel in Wonosobo
Day Two Dieng Geothermal Field, Candradimuka Crater
Night Two Ramayana Ballet at Prambanan Temple, Hotel in Yogya
Day Three City tour (Keraton Yogyakarta and Taman Sari), afternoon flight JOG - DPS



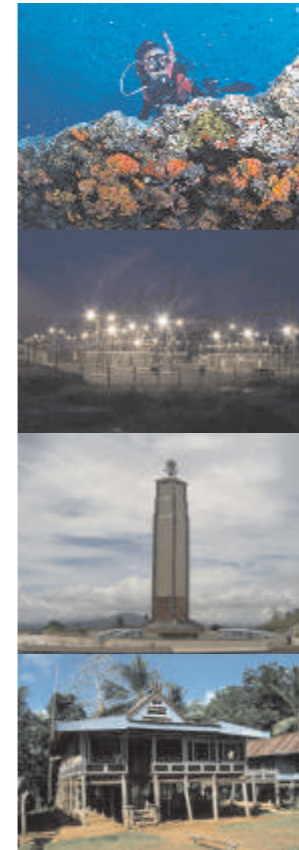
FT-2 Manado - Lahendong
(3 Days and 2 Nights, Date: 22-24 April 2010)

(Twin sharing per person USD 868, Single occupants USD 1157)

Fly to Manado in the afternoon, then participants will be taken to enjoy the Bunaken Island National Maritime Park located just out of Manado Bay in the Sulawesi Sea, where participants can take great pleasure from the diversity of coral and fish found here. Return to Manado in the morning and then drive to the Lahendong Geothermal Field and Power Plant for tour of the facilities. Afterwards, visit the Masarang Palm Sugar Factory, the first of its kind in Indonesia and the first to be powered by geothermal steam, also located within the vicinity of the Lahendong Field. Travel to Bukit Kasih at Tompaso and lunch there and then go to Woloan village where traditional Minahasan wooden stage houses known as the Woloan houses are produced, but instead of building fixed houses, the craftsmen produce completely knocked down houses, which can be disassembled, shipped and re-assembled in its new site. Return to Manado in the late afternoon and dinner will be served. In the following morning, tour the city of Manado followed by lunch and an afternoon flight to Denpasar.

TENTATIVE FIELD TRIP SCHEDULE

Day One Afternoon Flight DPS - MDC, Bunaken
Night One Hotel in Bunaken, Dinner
Day Two Lahendong Geothermal Field, Bukit Kasih, Traditional Minahasan wooden stage houses (Woloan houses), Hotel in Manado.
Night Two Hotel in Manado, Dinner
Day Three Manado City Tour - afternoon Flight MDC - DPS.



2. FIELD TRIPS AFTER THE CONGRESS

FT-3 Bandung - Wayang Windu
(3 Days and 2 Nights, Date: 1-3 May 2010)

(Twin sharing per person USD 605, Single occupants USD 697)

Fly to Bandung in the afternoon and then travel to Ciater Hot Spring in Subang, a pleasant park with small pools where we can sit or swim, as well as the famous Sari Ater Hot Spring Resort, the best hot spring pools around Bandung area. We will rest, dine and spend the night in a social-cultural session. In the morning, drive to the Wayang Windu Geothermal Field and Power Plant where the largest single geothermal turbines are installed. Afterwards, drive back to Bandung, stopping over at the attractions along the way: The Pangalengan Tea Plantation, a combination of tea plantation, Mt. Malabar forest and well maintained Dutch colonial architecture buildings that will instantly transport the spectator back to the colonial age, also stopping for lunch. There is also Lembang, where we can view the Tangkuban Perahu, an active volcano located just outside of Bandung where visitors can hike or ride to the edge of the crater to view the hot water springs up-close. Do not forget the Bosscha Observatory, the oldest observatory in Indonesia. Return to Bandung to spend the remaining day to enjoy the cooler climate of highland plantation area, the varieties of food, the inexpensive fashion shops located in various factory outlets and distros, and the friendliness of local people, before returning to rest and dinner at the hotel. Fly back to Denpasar in the following morning.

TENTATIVE FIELD TRIP SCHEDULE

Day One Flight DPS - BDO, Ciater.
Night One Spa Hotel in Ciater, Dinner
Day Two Wayang Windu Geothermal Field, Pangalengan Tea Plantation, Lembang, Bandung.
Night Two Hotel in Bandung, City Tour, Dinner
Day Three Morning Flight BDO to DPS





FT-4 Jakarta - Gunung Salak (2 Days and 1 Night, Date: 1-2 May 2010)

(Twin sharing per person USD 535, Single occupants USD 570)

Fly to Jakarta in the morning and drive directly to the Gunung Salak Geothermal Field and Power Plant, the largest geothermal field in Indonesia. Drive back to Jakarta and transfer back to have dinner at hotel. In the morning, get ready to visit Jakarta's most famous museums: Jakarta History Museum, displaying the history of the development of the City of Jakarta, both the events and the community, from the pre-history until these present days. After lunch break the participants will be taken to enjoy the Taman Mini Indonesia Indah, an extensive theme park to get a glimpse of the diverseness of the Indonesian archipelago, it represents Indonesia's 33 provinces and their outstanding characteristics, reflected most strikingly in the exact regional architecture of the province, before returning to Denpasar using the evening flight to end the tour.

TENTATIVE FIELD TRIP SCHEDULE

Day One	Morning Flight DPS - CKG, Gunung Salak Geothermal Field, return to Jakarta
Night One	Jakarta City Tour, Dinner at hotel
Day Two	Museum Fatahillah (Jakarta History Museum), Taman Mini Indonesia Indah, Night Flight CKG -DPS.

Tour Condition

Inclusions :

- Tour will depart with a minimum of 4 persons
- Tour and transfer as per mentioned itinerary with air-conditioned vehicle
- English speaking guide
- Entrance fee, donation fee and luggage handling
- Accommodation as per mentioned itinerary (or similar)
- Meals: daily breakfast at hotel, lunch and dinner as per mentioned itinerary
- Return domestic flight and airport taxes

Exclusions :

- Tipping, gratuities & other personal expenses

Notes :

- Prices are subject to change due to tax and fuel surcharge for domestic flight airfare
- Tour and itinerary are subject to change, please contact the Congress Secretariat at email: hotel@wgc2010.org

1. Drilling, Completion and Testing of Geothermal Wells (2 Days Pre-conference Course) (USD 300)*

The course materials will focus on the techniques that could minimize the exploration drilling risk at the development phase of the project. Discussions will include various strategies to develop efficient and effective total project development work including well drilling, completion and testing that can be applied for all geothermal systems including steam, two phase and hot water dominated.

2. Geothermal Power Generation - Operation and Maintenance (2 Days Pre-conference Course) (USD 300)*

Geothermal fluids can be divided into at least two (2) groups, high temperature (>230°C) and low-moderate temperature (100 to <230°C). In this course, the conversion of geothermal fluids to electricity will be discussed: for a high temperature system, condensing turbine is used, while for low-moderate temperature systems the binary plant is preferred.

Special emphasis in this course will be on principle selection of the turbine characteristics including turbine type, method of choosing optimal inlet pressure and optimal size and other specific applications such as cooling systems and operation & maintenance of each turbine types.

3. Geothermal Heat Pumps (2 Days Pre-conference Course) (USD 300)*

The highest growth rate in geothermal development is with geothermal heat pumps (GHP), one of the fastest growing renewable energy technologies. GHPs provide space heating, cooling and also domestic hot water. They can be installed also in dry ground.

This idea is more valuable when the oil price increases. In this course, the principles and applications of the technology is taught completed with case studies.

4. Financing Geothermal Projects (2 Days Pre-conference Course) (USD 300)*

The discussion of this topic begins with the development strategy layout, developing the work program and budget, followed by economics evaluation using optimum known assumptions and conducting sensitivity analysis on IRR versus price, pay out time and Net Present Value (NPV).

Basically, a geothermal project is eligible to obtain carbon emission reduction (CER) credits under the clean development mechanism (CDM). Principle and procedure of CDM application and calculation for emission baseline of the tie-in electricity grid in order to obtain the optimal CER estimation and the economics of CDM revenue to the project will also be discussed in this course.

The calculation can be divided into three development schemes, namely: up-stream, down-stream and total project development.

5. Introduction to Geothermal Energy (2 Days Pre-conference Course) (Topic for Indonesian Audience, USD 200)

Basic knowledge and technology involved in geothermal energy business process will be covered in this course, starting from preliminary survey, exploration, feasibility study, development and production, utilization of geothermal fluids, project economic evaluation and finally project operation management throughout the 30 year life span of the geothermal power projects.

The course will also discuss prevailing regulations relating to geothermal business activities in Indonesia and compliance to safety and environmental standards. This special course is intended for capacity building of regional authorities who are involved in geothermal projects for direct use as well as electricity generation.

(If most participants come from Indonesia, this course will be conducted in Bahasa Indonesia by Indonesian experts).

* Course Fee 400 USD for Non-IGA Member or Participants from the countries other than A and B categories of World Bank (see list attached to Registration fee table, page 15)

Note :

- Minimum number of participants of each course: 10 persons.
- All courses will be complemented by case study and practical examples and taught by competent professionals in their respective discipline.
- The cost per participant as shown above includes CD and hard copy materials, coffee breaks and lunch. Participants are expected to provide their own board and lodging.
- For detail information about short courses, please contact the Congress Secretariat at email: shortcourse@wgc2010.org

EXHIBITION

World Geothermal Congress 2010 is a really invaluable opportunity for you to show, promote and spread your latest and innovative products and services by being an exhibitor of the WGC2010. By joining the event which will be attended by more than 2000 participants from around the world, you will also meet prospective clients and important people in the related industry in one place and at the same time.

The Committee of WGC2010 provides 3 areas for exhibition:

1. Outdoor Exhibition which consists of spaces for big equipment
2. Indoor Exhibition consist of Exhibition Hall at ground floor and
3. Indoor Exhibition consist of Exhibition Gallery at first floor.

Booths will be prepared by the Organizing Committee and will be located at Exhibition Hall, Exhibition Gallery and Outdoor Exhibition, Bali International Convention Centre. The location of services and features of both the congress and the exhibition will be carefully planned to encourage participants to circulate through all areas. The exhibition will be available from 26-30 April 2010.

Rental fees

NO	CATEGORY	EARLY BEFORE 31 DEC 2008 PRICE / m ²	NORMAL 1 JAN - 31 DEC 2009 PRICE / m ²	LATE 1 JAN 2010 - ONWARD PRICE / m ²
1	Premium (Indoor Exhibition)	USD 550	USD 590	USD 690
2	Regular (Indoor Exhibition)	USD 470	USD 510	USD 610
3	Economy (Indoor Exhibition)	USD 385	USD 425	USD 525
4	Outdoor Exhibition	USD 225	USD 225	USD 225

Above prices are based on the most strategic position of the booth / stand offered. Rental fees will include : booth wall panels, carpet on the booth floor, one spotlight of 100 w per 3 m², one electric socket (220V, 50 Hz), Exhibitor Company name and booth number on the facial board, one table, one chair, a waste paper basket, general lighting of exhibition area, general security services, cleaning service at the end of each day, information area and special ID badges for exhibitor company representatives. Exhibitor are not allowed to attend the Congress without registering for the Congress. Companies interested in participating in the exhibition can request more information and orders from the Website www.wgc2010.org or contact the Congress Secretariat at email secr@wgc2010.org.

SPONSORSHIP

World Geothermal Congress 2010 offers outstanding sponsorship opportunities and can help you to maximize business potential for your company and create better awareness of your products and services among top executive and decision makers represented by some experts from many countries worldwide.

This means you will get maximum exposure and attract extra attention among the participants and media through our promotional, marketing and advertising opportunities.

We will be more than happy to assist you and your organization to tailor specific package to meet your needs, as we are flexible and open for discussion. Companies interested in participating in the sponsorship can request more information and orders from the Website www.wgc2010.org or contact the Congress Secretariat at email secr@wgc2010.org.

REGISTRATION

Entitlements of registration

Participant :

- Access to Congress Opening and Closing Ceremonies
- Access to Technical Sessions
- Congress Bag
- Book of Abstract
- Programme Book
- Proceedings (CD)
- Welcome Party
- Indonesian Cultural Night (optional)
- Farewell Party

Accompanying Person :

- Welcome Party
- Indonesian Cultural Night (optional)
- Farewell Party

On-site registration will begin at the venue in the afternoon of Sunday 25 April 2010, but it is hoped that most registrations will be done beforehand using the website or forms in this brochure by registering as indicated in the table below.

REGISTRATION FEES (USD)

DELEGATES	EARLY (Before 30 November 2009)	NORMAL (1 Dec - 28 Feb 2010)	LATE - ONSITE (1 March 2010 - onwards)
IGA Member	550	650	700
Non-IGA Member	650	750	800
Cat A*	425	500	550
Cat B**	275	325	350
ACCOMPANYING PERSON			
Non Category	200	250	300
Cat A*	150	200	225
Cat B**	100	125	150

*Cat. A: Upper-middle-income economies whose participants may obtain reduction in Registration fees: American Samoa, Argentina, Belize, Botswana, Brazil, Chile, Costa Rica, Croatia, Dominica, Equatorial Guinea, Gabon, Grenada, Hungary, Kazakhstan, Latvia, Lebanon, Libya, Lithuania, Malaysia, Mauritius, Mexico, Mariana Islands, Oman, Palau, Panama, Poland, Romania, Russian Federation, Serbia and Montenegro, Seychelles, Slovak Republic, South Africa, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Turkey, Uruguay, Venezuela.

**Cat. B: Low- & Lower-middle-income economies whose participants may obtain reduction in Registration fees: Afghanistan, Albania, Algeria, Angola, Armenia, Azerbaijan, Bangladesh, Belarus, Benin, Bhutan, Bolivia, Bosnia and Herzegovina, Bulgaria, Burkina Faso, Burundi, Cambodia, Cameroon, Cape Verde, Central African Republic, Chad, China, Colombia, Comoros, Congo (Dem. Rep.), Congo, Cote d'Ivoire, Cuba, Djibouti, Dominican Republic, Ecuador, Egypt, El Salvador, Eritrea, Ethiopia, Fiji, Gambia, Georgia, Ghana, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, India, Indonesia, Iran, Iraq, Jamaica, Jordan, Kenya, Kiribati, Korea (Dem. Rep.), Kyrgyz Republic, Lao PDR, Lesotho, Liberia, Macedonia FYR, Madagascar, Malawi, Maldives, Mali, Marshall Islands, Mauritania, Micronesia, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Namibia, Nepal, Nicaragua, Niger, Nigeria, Pakistan, Papua New Guinea, Paraguay, Peru, Philippines, Rwanda, Samoa, Sao Tome and Principe, Senegal, Sierra Leone, Solomon Islands, Somalia, Sri Lanka, Sudan, Suriname, Swaziland, Syria, Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tonga, Tunisia, Turkmenistan, Uganda, Ukraine, Uzbekistan, Vanuatu, Vietnam, WestBankandGaza, Yemen, Zambia, Zimbabwe.

(Categories based on income list of World Bank - March 2008)

Participants are urged to register on-line using the website as this facility is available on the official website. Written applications using the form in this brochure will also be accepted. **If you plan to attend a Short Course or apply for a Fellowship, please complete the separate Short Course and Fellowship Application forms.**

Disclaimer

The Organizers of the World Geothermal Congress 2010 (WGC2010) are its Organising Committee (OC) and its sponsoring organizations, the International Geothermal Association (IGA) and the Indonesian Geothermal Association (INAGA). The Participants, namely all registrants, exhibitors and registered accompanying persons, are subject to the following terms and conditions and are deemed to have accepted them by registering for the Congress.

Cancellation of Registration & Refund Policy

Cancellation of your registration for any reason must be done in writing to the Organizers, who must receive this notice before 28 February 2010. Refunds, less a US\$ 100 administration charge, will be issued after the Congress. No refunds will be issued for cancellations received after 28 February 2010. Participants who register but do not attend the Congress or attend only a part of the Congress, will be responsible for the full registration fee. Refunds of canceled registration fees cannot be applied to future World Geothermal Congress events.

Participants agree to abide by decisions of the Organizers or individual persons entrusted by the Organizers, with respect to operation of the Congress.

Travel Disruptions

In the event of international travel disruptions, for any reason, the Organizers will not be responsible for any loss incurred by Participants.

Liability

The Organizing Committee shall not be held liable for personal accident or losses or damage to private property or registered participants of the Congress. Participants should make their own arrangement with respect to personal insurance.

Programme Alterations

The Congress programme (including the venue, short courses, paper presentations, speakers, field trips, social and cultural activities etc) will be corrected at the time of printing, but the Organizers reserve the right to alter the programme.

FELLOWSHIPS

The Organizers will offer Fellowships to interested participants from developing countries. The number of Fellowships that can be granted will be largely dependent on the amount of money that can be raised for this purpose. Priority will be given to young professionals working directly with geothermal. Please note that people with partial support from other sources will have a higher preference for WGC2010 support.

Conditions of the Fellowship are:

1. A Technical Paper or Poster is accepted and presented at the Congress.
2. The Fellowship holder attends all programs of the Congress.
3. Only one fellowship can be issued per paper.

The Fellowship will pay for:

1. Travel from their country to the Congress and back.
2. Registration at the Congress, but not for participation in those social, cultural and sightseeing programmes for which a charge is made.
3. A daily allowance (per diem) to cover meal and accommodation while traveling and at the Congress (including Short Courses).

The Organizers reserve the right to change the above entitlements and conditions for individual applicants. The decisions of the Organizing Committee will be final and no correspondence will be entered into regarding their decisions.

Please use the on-line Application Form on the official website, however, written applications using the Fellowship Application Form will also be accepted.

For detail information about fellowships, please contact the Congress Secretariat at email: fellowship@wgc2010.org

A number of hotels in Bali have been selected as Official Hotels for WGC 2010, to accommodate the participants. These hotels vary from 5-star to 3-star categories, located in Nusa Dua, Tanjung Benoa and Kuta- Tuban area.

The Organizing Committee has secured accommodation for participants. Application for accommodation must fill out the Accommodation Form on the official website or the form in this brochure. All requests will be processed on FIRST COME FIRST SERVE BASIS. If a certain hotel is fully booked, the Organizing Committee has the RIGHT to reallocate to another hotel preference chosen.

A shuttle bus will be provided between the official hotels and the Congress venue (6 days, 25 - 30 April 2010, 2 times a day) and is free for participants to the Congress (including registered accompanying persons).

For detailed information about accommodation please contact the Congress Secretariat at email: hotel@wgc2010.org

Note :

1. Category A (5 star hotels), mostly located around the venue, from USD 85 - USD 425
2. Category B (4 star hotels), within 5 - 10 minutes to the venue, from USD 75 - USD 160
3. Category C (3 star hotels), within 10 - 30 minutes to the venue, from USD 55 - USD 80

NUSA DUA AREA

HOTEL	CAT	DISTANCE to venue	WEBSITE
1. THE WESTIN RESORT	A	Venue	www.westin.com/bali
2. THE LAGUNA RESORT & SPA	A	3 min. walking	www.luxurycollection.com/bali
3. GRAND HYATT BALI	A	5 min. by shuttle	www.bali.grand.hyatt.com
4. NUSA DUA BEACH HOTEL & SPA	A	5 min. walking	www.nusaduahotel.com
5. MELIA BALI VILLAS & SPA RESORT	A	5 min. by shuttle	www.meliabali.com
6. AYODYA RESORT BALI	A	5 min. by shuttle	www.ayodyaresortbali.com
7. INNA PUTRI BALI	A	5 min. by shuttle	www.putribali.com
8. NOVOTEL NUSA DUA	A	5 min. by shuttle	www.novotelnusaduabali.com
9. NIKKO BALI RESORT & SPA	A	15 min. by shuttle	www.nikkobali.com
10. THE GRAND BALI	B	10 min. by shuttle	www.thegrandbali.com
11. SWISS-BEL HOTEL	B	15 min. by shuttle	www.swiss-belhotelbayview.com
12. BALI DESA	B	5 min. walking	www.balidesa.com
13. GOODWAY	C	15 min. by shuttle	www.goodwaybali.com

TANJUNG BENOA AREA

HOTEL	CAT	DISTANCE to venue	WEBSITE
14. MELIA BENOA	A	15 min. by shuttle	www.meliabenoa.com
15. GRAND MIRAGE	A	15 min. by shuttle	www.grandmirage.com
16. RAMADA RESORT BENOA BALI	A	15 min. by shuttle	www.ramadaresortbenoa.com
17. KINDS VILLA BINTANG RESORT & SPA	B	15 min. by shuttle	www.kindvillabintang.com
18. CLUB MIRAGE	B	15 min. by shuttle	www.clubbalimirage.com
19. THE OASIS BOUTIQUE BEACH HOTEL	C	15 min. by shuttle	www.theoasisbenoa.com
20. PURI BENOA	C	15 min. by shuttle	www.puribenoa.com

ACCOMMODATION

KUTA - TUBAN AREA

HOTEL	CAT	DISTANCE to venue	WEBSITE
21. KUTA PARADISO HOTEL	B	30 min. by shuttle	www.kutaparadiso.com
22. BALI DYNASTY	B	30 min. by shuttle	www.balidynasty.com
23. HARRIS HOTEL TUBAN	B	30 min. by shuttle	www.harris-tuban-bali.com
24. RISATA	B	30 min. by shuttle	www.risatabali.com
25. RAMAYANA	B	30 min. by shuttle	www.ramayanahotel.com
26. ASTON INN TUBAN	B	30 min. by shuttle	www.astoninntuban.com
27. THE VIRA	C	30 min. by shuttle	www.thevirabali.com



ACCOMMODATION

MAP OF NUSA DUA & TANJUNG BENOA





Balinese cultures are the most complex in the world, very unique and cannot be found in any other places in the world. We offer a variety of social and cultural programmes for participants and these are included in the Day Tour programmes. Social and Cultural programmes are free to registrants, however, One Day Tours will require charges; details shall be provided below.

Social Cultural and Get-together Programmes:

Welcome Party	: Evening of Sunday, 25 April
Opening Ceremony	: Morning of Monday, 26 April
Indonesian Cultural Night (optional)	: Evening of Tuesday, 27 April
Farewell Party	: Evening of Thursday, 29 April
Closing Ceremony	: Afternoon of Friday, 30 April

Day Tour and Activities for Accompanying Person / Congress Participant

If there is sufficient interest, the activities / one day tour for accompanying person / participant will be made available. A Help Desk will be set up at each hotel where participants are staying and the tours / activities can be attended during the period of 25-30 April 2010. If not specified, all of the day tours will depart in the morning and return to the hotel in the evening. Depending on the chosen route, participant may not be able to view all the attractions detailed below. The one day tours/activities are optional and not included in the registration fee. The excursion fee includes English speaking guide, transportation, entrance fee to the sites and attractions.

Below are the destinations that participants may choose for the Day Tour / Activities (depends on the route). For detailed information about day tours please contact the Congress Secretariat at email: hotel@wgc2010.org



**1. Denpasar, One City, Ten Markets (DT-1)
(Price: USD 22 per person)**

Admire what the capital city of Bali has to offer. Located in the center is the attractive Puputan Square. Visit the colourful "Pasar" (Indonesian traditional market) where local people sell their goods and haggle over prices. Take a ride in a traditional "Dokar" horse cart. A stop at one of the "supermarkets" is included; these in fact are the equivalent of a modern department store.

Explore the Denpasar Museum's art collection, ranging from prehistoric finds to early 20th century arts. On display are scale models depicting the ritualistic Balinese tooth filling, marriage and cremation ceremonies.

Your final stop is the Bali Government Art Center, a traditional Balinese building which houses a permanent exhibition of modern paintings and wood carvings.



**2. Ubud, Between Tradition and Art (DT-2)
(Price: USD 32 per person)**

Proceed to the Village Mas, the island's center for wood carving and handicrafts. Wood carvings in this village covers wide dimension such as devoting idols (arca), representative dimensions of Balinese everyday life and the abstract dimension existing from the artist's imagination received from closely interacting to reality, dynamics and life philosophy.

Following the stop, continue to Ubud, Bali's cultural heart. The area is located in the cool mountains; this traditional town is the home of the Bali Royal Family, as well as a flourishing art center and most of Bali's museums and galleries are centered in Ubud. These museums and galleries offer paintings, wood carvings, textiles and all kinds of souvenirs for viewing and of course, purchase. Before returning to your hotel, we will visit the village of Celuk, the center of silver and gold handicrafts in Bali.



3. Tanah Lot, the Unforgettable Bali (DT-3) (Price: USD 32 per person)

Leave the hotel and travel to Taman Ayun Temple, meaning "Beautiful Garden" located in the village of Mengwi, which is indeed one of Bali's most picturesque temples.

Afterwards, go to Alas Kedaton in Kuku Village of Marga Subdistrict. Alas Kedaton is actually a temple which has two interesting uniqueness. Alas Kedaton (Holy Forest) is a small forest measuring 12 ha where you can view hundreds of monkeys in their natural habitat.

End the tour by visiting one of the most unforgettable places in Bali, the Tanah Lot Temple. Known as the Pura Tanah Lot, the temple juts out to the sea on a rocky background and was built by one of the last priests to arrive in Bali from Java in the 16th Century. The temple stands on a huge rock surrounded by the sea and is one of Bali's most important sea temples. Catch a glimpse of the romantic Tanah Lot sunset, a regular occurrence during the dry season and the best time to see Tanah Lot when the temple is in silhouette illuminated by the setting sun.



4. Kecak Dance and Jimbaran Dinner (DT-4) (Price: USD 66 per person)

The hair-raising sounds and rhythm of the Kecak form lasting, haunting memory for many visitors to Bali.

Men and boys sitting in concentric circles slide into a trance as they chant and sing in lively counterpoint, the only music to accompany the dance re-enactment from the Hindu Epic Ramayana.

Eerie shadows cast by the light of torches and the sound totality of this chorus of human voices will make an evening not to be forgotten soon.

Dance performance shall be followed by a sumptuous Balinese Dinner served in the Jimbaran Area.



5. Kehen, Panglipuran (DT-5) (Price: USD 32 per person)

Kehen Temple is a beautiful Hindu temple located in the southern foothills of the Bangli Regency. Located inside this Temple, a Penyimpanan Temple is present keeping three inscriptions related to the temple's existence. The temple is strategically located in the highland area where the views are spectacular.

Continue to Panglipuran Village, a kind of village where traditional customs are still embraced and followed so closely. Wander around the bamboo plantations and the traditional village which holds such a unique custom.

Finally visit Kerta Gosa in Klungkung. Bale Kerta Gosa is a building constructed in 1686 by the first King of Klungkung, I Dewa Agung Jamba. The buildings are commonly used for Yadnya Ceremony by the members of the royal family and its surrounding interior is decorated by ancient Kamasari traditional painting restored in the 1930 and 1960.



6. Mystery of Petanu River (DT-6) (Price: USD 44 per person)

Travel in the morning to Goa Gajah. The complex overlooks the Petanu River and consists of a Siwaiteic rock-cut cave, a bathing place, a monk's chamber, a number of Buddhist rock-cut stupas and statues and several foundations. Dating from the 11th century, the temple features a statue of Ganesa and Hariti and a sacred bathing pool as well.

Proceed to the very interesting Archaeological Museum (Gedong Arca Purbakala). The museum displays a variety of jewellery and ornaments, as well as utensils and implements dating as far back as the Stone and Bronze Ages.

Next, visit the Gunung Kawi site constructed along the Pakrisan River in the 11th century, a complex of pavilions and rock-cut shrines carved into the hillsides northeast of Ubud. At the end of the day, take a beautiful short walk in the Rempah-Rempah Coffee Plantation and view the important agriculture tradition amongst Balinese highlanders.



7. Bedugul, Land of Spices (DT-7) (Price: USD 45 per person)

Leave the hotel and travel to Taman Ayun Temple, meaning "Beautiful Garden" located in the village of Mengwi, which is indeed one of Bali's most picturesque temples. The temple is built on a high tableland which is surrounded by ponds, giving effects from afar that the temple is floating on water.

Continue to the Bratan Ulun Danu Temple. Bratan Lake, the second largest lake in Bali is located next to Mount Bratan and Mount Catur. Filling Mount Catur's inactive crater, Bratan Lake sits at over 1,200 meters above sea level. The picturesque Pura Ulun Danu temple solemnly guards the lake.

Afterwards, visit the Candi Kuning market where visitors can haggle for various goods such as fresh vegetables and fruits either as gifts or travel snacks. Before returning to the hotel, stop at Jatiluwih. Located on the slopes of mount Batukaru, the view encompasses a huge region of southern Bali. Jatiluwih is the most beautiful rice terrace paddy fields and should not be missed.



8. The Kingdom of Karangasem (DT-8) (Price: USD 48 per person)

Set out in the morning and travel to Taman Soekasada Ujung in the Karangasem Regency. The water palace complex combined Balinese and European architectures. View the magnificent Pura Kebon Bukit, before visiting the Puri Agung Karangasem (Karangasem Royal Palace). It is known for its unique architecture, which is the combination of Balinese, Chinese and European architectures. Move to the Tirtagangga Water Garden, situated on a 1,2 hectare area consisting of three complexes. In the first complex, we can find two ponds and a water tower. The second complex in the middle level is the location where we can find swimming pools; while in the third part, which is the main complex, we can find the remaining of the house of the King.

And lastly, stop at Tenganan a Bali Aga village - one of the few Balinese communities that resisted the Majapahit invasion of 1343. It is a walled village consisting of two rows of identical houses.



9. Besakih, Telaga Waja River (DT-9) (Price: USD 87 per person)

High on the slopes of Bali's Mount Agung sits Pura Besakih, widely referred to as the "Mother Temple" of Hinduism in Bali. Pura Besakih or Besakih Temple in English, is the largest of the island's 11,000 or so Hindu temples; its 35 shrines and halls draw devotees from all over Bali in massive numbers each year.

Go to the Telaga Waja River located in Bukit Jambul. Bukit Jambul is renown as an outstanding natural tourist destination due to the harmonious combination of hilly land, rice fields, valleys and the beautiful sea panorama in a distance. Finally, visit Kertagosa in Klungkung. Kerta Gosa is a building (Bale Kerta Gosa) constructed in 1686 by the first king of Klungkung, I Dewa Agung Jamba. Kerta Gosa consists of two major buildings, the Bale Kerta Gosa and Bale Kambang.



10. Lembongan Catamaran Cruise (DT-10) (Price: USD 150 per person)

Depart from Bena Harbor at 09:00 AM and sail away into paradise aboard Aristocat - The Luxury Sailing Catamaran. Enjoy a day in the pristine bay at Bali Hai Cruises' private Beach Club, where you can relax on golden sand, lie back in the shade of tranquil gardens or cool off in a lagoon pool. Complimentary soft drinks and refreshments are available on board Aristocat. At the Beach Club enjoy an appetizing BBQ lunch grilled at our poolside cabana, which includes salads, sausages, and fresh fish. After lunch, join a guided village tour of this small unspoiled island, home to seaweed farmers and a number of historical attractions. The Aristocat offers an array of water sports activities, including banana boat rides, pool volleyball, snorkeling to view the carefully preserved and maintained coral reef of Lembongan Bay. Other water sports options include a parasailing adventure which will take you high above the water for a birds' eye view of the island, a semi-submersible coral viewer and scuba diving. Certified divers may travel further afield in our custom-built aluminium dive boat to experience life beneath the waves in this vibrant ocean channel. And when the day is done, Aristocat makes a leisurely cruise back to Bena Harbour, arriving as the sun sets on another glorious day in paradise.



11. Bedugul Geothermal Field Development (DT-11) (Price: USD 36 per person)

Travel to the Bedugul Geothermal Field, the only geothermal field on the island, located in north-central Bali in a volcanic mountain range at elevations between 1400 to 1800 meters above sea level. The field is located within the quaternary volcanic highlands dominated by andesitic lava and pyroclastic rocks. Several areas of surface thermal features occur within, and on the periphery of the 10 km-wide Bratan caldera. Numerous post-caldera volcanic vents indicate a continuing supply of heat from this major volcanic center to supply the Bedugul Geothermal system. Afterwards, enjoy the scenery of the Eka Karya Botanic Garden. A unique place to visit in Bali, where visitors can stroll through cool and tranquil gardens, visit temples and traditional Balinese buildings, and learn about Balinese botany and traditions. The Garden combines scientific and conservation goals in a cool, mountainous setting; with adjacent forests and lake, wildlife such as birds and monkeys, and the attractive landscaping all joined in harmony. Finally, stop at the Bratan Ulun Danu Temple. Bratan Lake, the second largest lake in Bali is located next to Mount Bratan and Mount Catur. Filling the crater of the inactive volcano Mount Catur, Bratan Lake sits at over 1,200 meters above sea level. The picturesque Pura Ulun Danu temple solemnly guards the lake.

PASSPORT & VISA

All foreigners wishing to enter Indonesia must have a passport valid for at least six months from the date of arrival along with proof (ticket) of onward or return passage. Please contact the Indonesian Embassy/Consulate in your country well before the Conference in order to check if you require any immigration documents necessary to visit Indonesia.

Free Tourist Visa:

Non-extendable visa-free entry to Indonesia for 30 days is available to passport holders of Brunei, Chile, Hong Kong SAR, Macao SAR, Malaysia, Morocco, Peru, Philippines, Singapore, Thailand and Vietnam.

Visa on Arrival:

The Visa on arrival's fee are classified into: USD 10 for 1-7 day and USD 25 for maximum stay of 30 days. Visa on arrival is given to nationals from 63 countries, i.e Algeria, Argentina, Australia, Austria, Bahrain, Belgium, Brazil, Bulgaria, Cambodia, Canada, Czech Republic, Cyprus, Denmark, Egypt, Estonia, Fiji, Finland, France, Germany, Greece, Hungary, Iceland, India, Iran, Ireland, Italy, Japan, Kuwait, Lao PDR, Latvia, Libya, Liechtenstein, Lithuania, Luxemburg, Maladewa, Maldives, Malta, Mexico, Monaco, New Zealand, Norway, Oman, Panama, People's Republic of China, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, South Africa, South Korea, Spain, Suriname, Sweden, Switzerland, Taiwan, The Netherlands, Tunis, United Arab Emirate and United States of America.

Passport holders of all other countries and non-tourists of the aforementioned countries must obtain a valid Indonesian visa at an Indonesia Embassies or Consulates in their home country prior to departure to Indonesia.

AIR TRANSPORTATION

Air transport is the easiest and comfortable means of travel to Indonesia. A number of carriers offer international direct flights to Bali and many of the world's major carriers connect Bali via regional air hubs in Jakarta, Singapore, Kuala Lumpur, Bangkok, Hong Kong, Japan, Seoul, Sydney, Guam and Taipei.

International airlines serving Bali include Garuda Indonesia the national flag carrier (Jakarta, Darwin, Melbourne/Sydney, Perth, Osaka, Tokyo, Seoul, Singapore), Air Asia (Kuala Lumpur), Singapore Airlines, Malaysian Airlines (Kuala Lumpur), Royal Brunei (Bandar Sri Begawan), Korean Airlines (Seoul), Thai Airways (Bangkok), Japan Airlines (Osaka, Tokyo), Cathay Pacific (Hong Kong), China Airlines (Taipei), Qantas Airways (Darwin, Melbourne, Perth, Sydney, Singapore), Continental Micronesia (Guam).

Many domestic airlines to Bali on a daily basis include Garuda Indonesia (the most frequent), Lion Air, Batavia Air, Merpati Nusantara, Mandala Airlines and many more.

International airlines representative available in Bali are Air New Zealand, Cathay Pacific Airlines, China Airlines, Continental Micronesia, Eva Air, Garuda Indonesia, Japan Airlines, Malaysia Airlines, Merpati Nusantara, Qantas Airways, Royal Brunei, Singapore Airlines and Thai Airways International. Most of these airline offices are located in Bali's Ngurah Rai International Airport and Denpasar.

AIRPORT DEPARTURE TAX

An airport tax of 100,000 Rupiah (equiv. USD 11) is imposed on travellers for international routes and Rp. 30,000 for domestic routes. Airport tax is payable after check-in at airport.

LOCAL TRANSPORTATION

Transportation in Bali is always cheap by any standard. From airport to the conference venue in Nusa Dua, will cost around Rp. 70,000 (equiv. USD 8); whereas from Nusa Dua area to Kuta or Legian area will cost around Rp. 80,000. It is advisable to carry small change as taxi drivers are often short of change.

Taxis are operated from all major hotels and the airport with rates varying according to distance. Some of the airport taxis are Golden Bird, Ngurah Rai Taxi, Kowinu, etc. At all major airport terminals, inquiries about local transportation should be directed to the information counter. Furthermore, car and motorcycle rentals are also available in Bali at negotiable rates.

Tour Condition

1. Tour will depart with a minimum of 2 persons
2. The date and itinerary of the tours are based on the participant's preference
3. Participants should contact the Secretariat of World Geothermal Congress 2010 for detail information and reservation at email: hotel@wgc2010.org
4. All price includes :
 - Transportation, donation and entrance fee based on the itinerary
 - English speaking guide
 Excludes :
 - Tipping, gratuities & other personal expenses

LIVING COST

Cost of living in Bali is reasonable. For three times of daily meals (incl. drink) at local restaurants will cost around USD 15 to USD 20 per person. Food and drinks at better hotels cost about the same as any category hotel elsewhere in the world. Breakfast is USD 8 to USD 30, lunch and dinner USD 20 to USD 70 or more per person – and that does not include wine which can be very expensive. On the other hand, restaurants outside the large hotels are often 60% to 80% cheaper.

CUSTOMS

Customs allow on entry a maximum of one liter of alcoholic beverages, 200 cigarettes or 50 cigars 100 grams of tobacco and a reasonable amount of perfume per adult. Cameras, video cameras, portable radios, cassette recorders, binoculars and sport equipment are admitted provided they are taken out on departure. They must be declared at Customs.

Prohibited are firearms, narcotic drugs, pornography, transreceivers and cordless telephones. Films, pre-recorded video tapes and laser disks must be screened by the Censor Board.

While there is no restriction on the amount of foreign currency that may be brought into Indonesia, those who bring into the country currency worth more than 100 million Rupiah must be declared to customs upon arrival at the first port of entry.

CLIMATE

Bali enjoys warm, tropical weather all year. Temperatures average is between 21° to 33°C (68° to 93°F) year round. In the mountains, however, it can go as low as 5 °C at night. Humidity varies between 60% and 100%. In general, Bali experiences two seasons: moist and wet. The dry season is normally from May to October, whereas the rainy season is normally from November to April, during which it can rain for several hours each day. The rain tends to be intermittent, however, with plenty of sun in between. There is comparatively little difference between the daytime and night time temperatures. All conference sessions will be held in air-conditioned venues.

TIME ZONE

Bali is in the Central Indonesian Time zone, which is GMT+8 hours.

LANGUAGE

Bahasa Indonesia is the national language, but English is widely spoken and understood.

CURRENCY

The Indonesian currency is Rupiah (IDR). Most foreign currencies are easily changed at airports, banks, hotels or money changers. The currency exchange rate fluctuates regularly. Check you bank for the latest exchange rates. Banking hours are from 08.00 am to 14.00 noon Mondays to Fridays, and from 08.00 am to 11.00 am on Saturdays. Bank in hotels usually stay open longer hours while money changers are generally open till evening. ATM is available in many places, provides VISA, MASTER, ALTO and more.

TRAVELERS' CHECKS & CREDIT CARDS

Travelers' checks are accepted by leading banks and hotels in principal cities, including Bali. The use of travelers' checks in Indonesia is as popular as in other countries. Diners Club and America Express, Visa and Master Card are widely accepted at hotels, department stores, shops, restaurants and pubs. According to Indonesian banking regulations, payment by credit cards will be charged in local currency.

ELECTRIC CURRENT

The electric current in use throughout Indonesia is 220-230 volts at 50Hz. Most hotels can provide power outlet adapters.

IDD (INTERNATIONAL DIRECT DIALING)

Country Code (Indonesia): 62
City code (Bali): 361

SECURITY ARRANGEMENT

Strict security measures will be provided at the conference venue and all designated hotels. Security is provided at places outside the conference venue and hotels where official activities are held.

BUSINESS HOURS

Business offices are open either from 08.00 am to 04.00 pm or 09.00 to 05.00 pm. Government offices are from 08.00 am to 03.00 pm from Monday to Thursday, 08.00 am to 11.30 am on Friday and 08.00 am to 02.00 pm on Saturday.

CLOTHING

Dress is normally casual and light clothing advisable due to the hot, humid climate. Trousers or slacks and shirts are generally considered appropriate but a jacket and tie are required for formal occasions when making official calls. For certain formal occasions, long-sleeved batik shirts are acceptable. For travel to mountain areas, a light sweater or jacket is recommended. Halter tops and shorts are frowned upon in most places except around sport facilities or on the beach, proper decorum should especially be observed when visiting places of worship.

GRATUITIES

Tipping is not encouraged in hotels and restaurants if 10% service is already included in a bill. Extra tips from satisfied customers are for encouragement. At most hotels a service charge of 10% is added to the bills. An airport porter expects Rp. 15,000 / USD 2 per bag.

SHOPPING

The major cities have shopping complexes, supermarkets and department stores where prices are fixed. They open from 09.00 am to 09.00 pm everyday and some even on Sunday. At small shops bargaining might be necessary.

Bali has various shopping spots. Main tourist roads are often lined with shops and stalls selling crafts of all types. Ubud (25 km North of Denpasar) and the surrounding villages of Pengosekan, Mas and Batuan are breeding grounds for arts, ranging from 'wayang style' paintings, polished woodcarving and antiques to traditional Balinese carvings made from volcanic purnice. For those who do not like to wander too much from the beach, Kuta and Legian have more modern shopping areas.

GOLFING IN BALI

Bali the "Island of the Gods" is fast developing a reputation as a sought after golfing destination. It's not surprising, that golfers are coming from all parts of the world, to play on Bali's, four top class 18-hole championship golf courses. Those are Pecatu Golf Club, Nirwana Bali Golf Club, Bali Golf and Country Club, Bali Handara Kosaido.

SIGHTSEEING

Places of interest in Bali include Ubud, Bangli, Batubulan, Bedugul, Besakih, Celuk, Denpasar, Goa Gajah, Goa Lawah, Jimbaran Bay, Lovina, Kintamani, Klungkung, Kuta & Legian, Mas, Menjangan Island, Nusa Dua, Peliatan, Sangeh, Sanur, Tampak Siring, Tanah Lot, Tenganan, Trunyan, Yeh Saneh, Sanur Beach.

MUST SEE

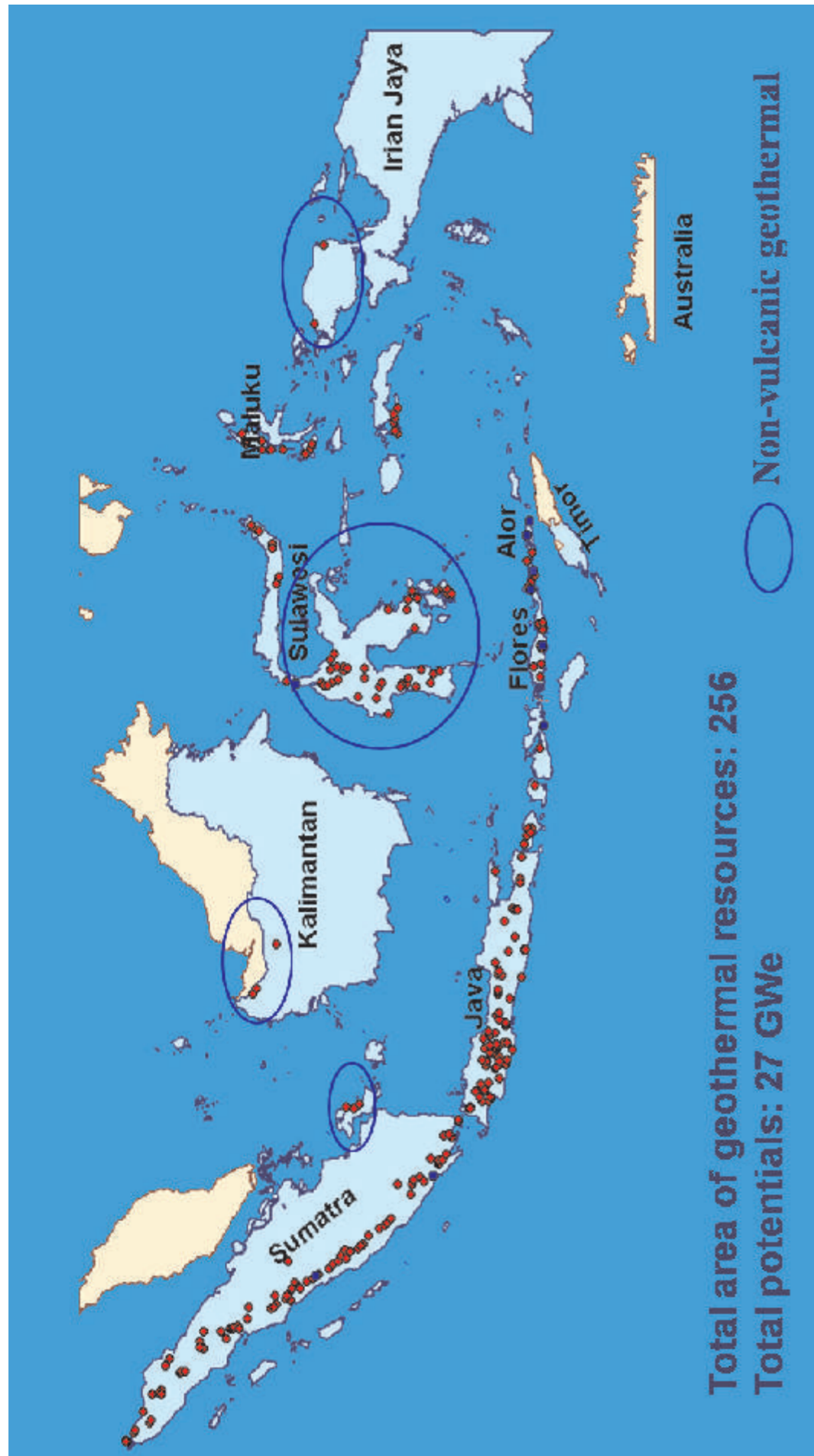
Balinese popular dances are Kecak, Baris, Barong & Rangda, Legong, Sanghyang Trance Dances and Topeng (Mask) Dances.

WORSHIP PLACES

Worship places for Hindus, Buddhists, Catholics, Muslims as well as Protestants are available in Bali.

CLINICS/DOCTORS

International standard clinics are available in Bali. Those are Bali International Medical Center (BIMC), Nusa Dua Medical Service, Kuta Clinic, Ubud Clinic and SOS Medika.



WORLD GEOTHERMAL CONGRESS 2010

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