

ROADS FOR BETTER LIVING

Make roads inclusive, safe, resilient, and sustainable



FIRST ANNOUNCEMENT

Organized by:



Ministry of Public
Works and Housing
Indonesia



Indonesia Road Development Association



Road Engineering Association of Asia and Australasia



International Road Federation

Message from the Minister



After more than six decades of its independence, Indonesia has made tremendous progresses in its economic development. Originating from a traditionally agricultural-based economy, Indonesia has shifted a larger portion of its economic activities toward manufacturing and service oriented industry. Its economic development has also improved the nation's level of prosperity, which is reflected in its increased income per capita as well as in other social and economic indicators. Although Indonesia's fundamentals are strong, achieving a high level of growth will not happen automatically. A number of challenges must be overcome in order to realize the sustainable development for a successful Indonesia.

There is a development gap between western and eastern parts of Indonesia. The main challenge for a huge archipelago such as Indonesia is the provision of infrastructure to support economic activities. Provision of infrastructure which encourages connectivity will reduce transportation and logistics costs in order to improve product competitiveness, and accelerate economic growth. Therefore, the main issue to be tackled

by road infrastructure are connectivity improvement and disparity reduction. By improving the road infrastructure as well as other infrastructures, Indonesia is ready to contribute as the region's center of economic growth, especially on the era of ASEAN Economic Community.

Experience shown that developing road infrastructure without actuating the principal of sustainability could be damaging environment and causing social conflict. The paradigm should shift from the road as a mode in logistic and transportation system to the road as a mode for increasing the value of living. Developing road infrastructure should focus on sustainability and adding value on people's live.

In the 15th REAAA Conference next 2017 in Bali, I would like hear and share the experiences and ideas from all participants related with the above paradigm shift. As the theme of the conference, Roads for Better Living, I would like all of participants to discuss how the roads can improve the living condition, and what kind of added value can be obtained. I belief that all of the information and the result of discussion can be used as a basic for improving innovation on road planning, designing, constructing and management in each countries.

During the conference, I hope the interaction between researchers and professionals, business-to-business, government-to-government will be strong, and its will create an opportunity to form strategic partnership or strengthening the network.

On behalf of Indonesian Government, I highly recommend that you join us in this Conference to meet the road experts from all sectors and share the latest news for road transportation. I am happy to welcome you and wish you have pleasant moment in Bali.

Terima Kasih **Basuki Hadimuljono**Minister of Public Works and Housing, Indonesia

Message from President of REAAA

The Asia and Australasia region are growing fast and improve its influence on global economic. Many of the G20 members are comes from the region. The REAAA as the association on the development of roads infrastructure also being more important in its role to develop technologies as well as the networking catalyst of the road sectors in the region.

The 15th REAAA Conference is designed to be a forum on updating the new technologies, sharing best practice, and discussing country's policy as well as the needs on the roads industries. The conference's theme is Roads for Better Live, which trying to promote more inclusive road, saver and more sustainable road, and the road that improve people's prosperity.

The conference will be held on three days, and consist of REAAA Council Meeting & General Meeting, Meeting of Heads of Road Authorities, REAAA Young Engineer Professional Meeting, REAAA Business Forum, Technical Session, Technical Visits & Social Programs, Exhibition, and Katahira Awards. It is organized and held on the beautiful tropical island of Bali.



Therefore, I believe it will more enjoyable and will create unforgettable experience on attending such conference.

Also, on behalf of the REAAA, I express my sincere gratitude to the government of the Republic of Indonesia especially the Ministry of Public Works and Housing and the Indonesian Road Development Association for their dedication in organizing this conference

It is my great pleasure in inviting you to attend and participate in the 15th REAAA Conference. Mark your calendar now for 22-24 March 2017, and join us in Bali, for this world-class event.

Please come and enjoy the Conference!

Sincerely,
A. Hermanto Dardak
President. REAAA

Message from President of IRDA



On behalf of IRDA, I would like to express my sincere gratitude to all REAAA members for giving chance IRDA conducting the 15th REAAA Conference 2017. This Conference will be conducted in a beautiful paradise island of Bali. The venue will be in Nusa Dua Bali, a place surrounding by 4-5 stars hotels, world standard quality of conference rooms and facilities,

beautiful beach with white sand, delicious cuisine, cozy and safety area.

The 15th REAAA Conference is very importance for all of REAAA member countries. Back to back with the conference, there will be REAAA Council Meeting and General Meeting, Meeting of Head of Road Authority, REAAA Young Engineering Professional Meeting, the 4th REAAA Business Forum, etc. The organizing committee is also arrange an interesting program such as Exhibition, technical session, technical visit, social program, and Katahira Awards.

Please come and joint the conference. It will be a great honor for me to welcome you all in event. IRDA will do our best to help you to make a successful conference and enjoyable stay in Bali.

Terima Kasih

H. Hediyanto W. Husaini

President, IRDA

Message from President of IRF

Roads are Asia's first "social network". They are fundamental building blocks for human and economic development whose impacts transcend national borders. We need to commit to sharing this common good for the benefit of all.



The impacts of investments in roads have shown how transformative road infrastructure invest-

ments can be for a wide range of communities. People and goods need to move for an economy to grow, for wealth to be created, for prosperity to be shared. Much as a dynamic economy depends on the movement of goods and services, people rely on roads to access employment, education and health services. By contrast, missing road links and inefficient transport services often result in artificially high prices borne by consumers.

I am delighted and honored that IRF and REAAA are partnering on an event of this magnitude and significance at a crucial time in the development of the Trans-Asia Highway. The event will provide a unique forum for sharing the latest industry technologies, solutions and best practices from Asia and beyond. I also encourage delegates to benefit from IRF's exclusive program of certified workshops delivered by world-class trainers.

Welcome to Bali and this landmark event.

Sincerely,
Patrick Sankey
President & CEO, IRF



Indonesia is the world's largest archipelago, comprising of more than 13 thousand islands, straddling the equator, situated between the continents of Asia and Australia and between the Pacific and the Indian Oceans, stretching from east to west with a length of 5,200 km and a width of 1,870 km. Indonesia has a total population of more than 240 million people (2015) from more than 200 ethnic groups. The national language is Bahasa Indonesia. Culturally, Indonesia fascinates with her rich diversity of ancient temples, music, ranging from the traditional to modern pop, dances, rituals and ways of life, differ from island to island, from region to region. Yet everywhere the visitor feels welcomed with that warm, gracious innate friendliness of the Indonesian people that is not easily forgotten.



The Paradise island Bali, one of the smaller islands of Indonesia, lies 3.2 km (2 mi) east of Java, and is approximately 8 degrees south of equator. The island is approximately 153 km (95 mi) wide and spans approximately 112 km (69 mi) north to south; its cover 5,632 km2 land area. It has been described by many different names - The Hidden Paradise, The Last Paradise on Earth, Morning of The World, Island of Gods, Island of a Thousand Temples, the Emerald Isle of Asia and Island of the Smiling People. For centuries Bali has attracted visitors from all over the world, drawn to its colorful festivals and ceremonies, traditional music and dances, its arts and crafts, delicious cuisine, stunning underwater world and delightful, easygoing people.

Venues

Nusa Dua is the premier resort area in Bali. The vicinity has an excellent tourism infrastructure with more than 4000 available rooms of international 4 and 5-stars chain hotels, a close by 18-holes Golf & Country Club, Amphitheater, alongside luxurious shops, Café and Restaurants with a seamless white sandy beach within a walking distance.



Bali Nusa Dua Convention Center (BNDCC) located in the heart of Nusa Dua resort area. It is only 20 minutes away by car from the international Airport and has an easy access to transport by a taxi. The whole concept consists of a high profile characteristic, an impressive 70,000 sq. meter garden landscape and a breathtaking Balinese architecture of a total 50,000 sq. meter building area which all integrated to create a complete infrastructure for any kind of events.

Conference

Background

REAAA Conference is a routine agenda for REAAA and becomes most prestigious event for road professional in the region. The conferences exhibit recent innovation, idea and technologies in road infrastructure and will be a forum to discuss and exchanging idea for road development.

This next REAAA conference in Bali will be the fifteenth in its series, first conference was held in Thailand in1976. This conference held every two or four years by the President's host country, and the next REAAA will be the second time hosted by Indonesia.



REAAA in brief

REAAA is the Road Engineering Association of Asia

and Australasia. The association promotes the science and practice of road engineering and related professions in the Asia Pacific region through developing professional and commercial links within and between countries in the region. The notable member institution of the association are such as IRDA (Indonesian Road Development Association), the Malaysian Chapter, Australian Chapter and REAP (Philippines).



IRDA in brief

Indonesian Road Development Association or in Indonesian famous with the name HPJI (Himpunan Pengem-

bangan Jalan Indonesia) is one of the biggest profession association in Indonesia. IRDA vision is to improve the Professionalism for the Members of IRDA as the stakeholder of the Road and Bridge in Indonesia. It activity always targeting more competent and professional of its member by applying certain Criteria of Quality. The member comes from different background from road administrator, government, private company (general contractor or consultants), as well as university and road researcher.



IRF in brief

The International Road Federation is a nongovernmental,

nonprofit organization with the mission to encourage and promote development and maintenance of better, safer and more sustainable roads and road networks through knowledge sharing programs an premium networking events. Working together with



members and associates in 118 countries, the IRF promotes social and economic benefits that flow from well planned and environmentally sound road transport networks. It helps put in place technological solutions and management practices that provide maximum economic and social returns from road investments. Through the International Road Educational Foundation, the IRF also awards grants to graduate engineers and other transportation professionals from around the world in support of full-time academic training. With this, the IRF actively supports future generations of industry leaders.

Conference Main Theme

"Roads for Better Living"

People are the center of sustainability development. We must ensure: personal mobility remains accessible and affordable, as part of the mobility mix of any city; Roads play an important roles of connectivity of transportation networks and better logistic service and economic and rural development. However, road development should also ensure the quality of life, culture, heritage and health of our society.

The technical sessions in this conference have been formulated to discuss about the problem, challenges, and alternative solutions. Come and be informed on the required quality road infrastructure of the future.



Children walking safely in pedestrian bridge in Aceh Province, Indonesia

Conference Sub-Theme

T-1. Road Safety and Smart Transport System

Policy issues for supporting decade of action for road safety 2011-2020; road safety system approach; better safety data for better safety outcome; smart transport technology for improving road safety; policy, social and institutional ITS issues; mobility models and vehicular traffic models, driving behavior models and analytical and simulation modeling for implementing smart transport technology;

T-2. Green Construction and Sustainable Environment

Adaptation of road pavements to climate change; innovation in construction and maintenance; the use of marginal local materials for roads and bridges; roads to support sustainable environment development; environment consideration in road projects evaluation to ensure quality of life; protecting culture and heritage of the society, and climate resilient road standards for climate change adaptation.

T-3. Road Development to Support Regional Growth

Road and urban/regional development; keeping cities moving and pro public transportation for personal mobility; improve traffic and mobility; efficiency logistics supply chain; design of transport systems and development of urban infrastructures.

T-4. Road financing scheme

Managing project financing for sustainable road development, sustainable project delivery system and public and private partnership issues.

T-5. Other topics related to road development

The above topics are not exhausted. Other topics related to road development are welcome, e.g. disaster management, development and evolution toward better living.



Katahira Awards

The Katahira Awards will be awarded to outstanding technical papers relating to the road industry presented at the 15th REAAA Conference by young professionals. The winning entry/entries will receive cash award/s and certificate/s.

Among the terms and conditions of eligibility for the Katahira Awards are:

- * The author must be below 40 years of age at the point of submission of paper/s (as at 20 October 2016). If there is more than one (1) author, only the author/s below 40 years of age is/ are eligible.
- * The author/s must be either ordinary/ associate member/s or employee/s of institutional member/s at the point of submission of paper/s.

Technical papers published elsewhere in the same format will not be accepted.

Abstracts selected to submit the subsequent full technical papers will be evaluated for the Katahira Awards.

Call for Technical Paper

Papers are invited from local and international authors, either from academic or professional communities, among others, encompassing the following streams:

Road Safety and Smart Transport System

Policy issues for supporting decade of action for road safety 2011-2020; road safety system approach; better safety data for better safety outcome; smart transport technology for improving road safety; policy, social and institutional ITS issues; mobility models and vehicular traffic models, driving behavior models and analytical and simulation modeling for implementing smart transport technology.

Green Construction and Sustainable Environment

Adaptation of road pavements to climate change; innovation in construction and maintenance; the use of marginal local materials for roads and bridges; roads to support sustainable environment development; environment consideration in road projects evaluation to ensure quality of life; protecting culture and heritage of the society, and climate resilient road standards for climate change adaptation.

Road Development to Support Regional Growth

Road and urban/regional development; keeping cities moving and pro public transportation for personal mobility; improve traffic and mobility; efficiency logistics supply chain; design of transport systems and development of urban infrastructures.

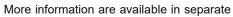
Road Financing Scheme

Managing project financing for sustainable road development, sustainable project delivery system and public and private partnership issues.

Other topics related to road development

The above topics are not exhausted. Other topics related to road development are welcome, e.g. disaster management, development and evolution toward better living

The authors are encouraged to submit full papers describing original, previously unpublished research results, not currently under review by another conference or journal. Paper shall be submitted in two stages, first as an abstract and then as a draft full paper after the abstract has been accepted. All submitted papers will be reviewed by independent reviewers.



Technical Paper Presentation

booklet on 'Preparing *Papers for 15th REAAA Conference*'. The document can be requested from conference@reaaaindonesia.org

Important Dates:

Opening Date for Abstract Submission Closing Date for Abstract Submission Notification of Abstract Acceptance Submission of Draft Full Paper Notification of Full Paper Acceptance Submission of Camera Ready Paper

30 January 2016

20 June 2016

20 July 2016

20 October 2016

20 December 2016

20 January 2017

Program in brief

The conference program will encompass several activities which in all will take 4 days, ranging from keynote speakers, technical presentations, guest lecture, exhibitions, technical visit and social programs. Delegates are welcome to stay longer to enjoy hundreds of tourist attractions that Bali and Indonesia has to offer.

Date		21-Mar-17		22-Mar-17		23-Mar-17				24-Mar-17															
Time		Tuesday		Wednesday		Thursday				Friday															
9:00	10:00	REAAA			Openin	g Cer	emony		Technical Session 2				Tech	Tech	Tech										
10:00	11:00	11th Young	Friendsh					(Road Safety and Environ- ment)	(Green Construction and Materials)		12 th HORA Meeting		Technical Visit	Technical Visit	Technical Visit										
11:00	12:00	Engi- neers	neers of Tourna	eeting 5	urna	urna	무	Keynote Speakers			Technical Session 3	Technical Session 4			R	isit 1	/isit 2	/isit 3							
12:00	13:00	Meeting					urna	urna	urna	urna	urna	urna	urna	urna	urna	urna	urna	IRF Workshop				(Road to Support Regional Growth)	(Road Financing Scheme)	Ex	
13:00	14:00	Dura	ment (further	shop		Exhibition				Exhibition	15 th RE-	اs Busine ا													
14:00	15:00	Pre- registra-	er notice)		Plenary	oition			Technical Session 6	Ŋ	AAA Gen- eral	SS													
15:00	16:00	tion			Session 1	ession 1	105 th REAAA	(Better Living and Resilient Road Development)	(Better Living and Resilient Road Development)		Meeting	Forum	Social	Social	Social										
16:00	17:00	Walsomo	elcome Reception		Plenary		Council Meeting	Guest I	Lecture		106 th REAAA		Program 1	Social Program 2	Program 3										
17:00	18:00	weicome			Session 2					Council Meeting															
18:00	19:00			Welcome Dinner		Closing Ceremony and Gala Dinner																			
19:00	20:00				weicome binner																				

Registration fee

	Loca	l Delegate (II	OR)	International Delegate (USD)				
Category	Early Bird ³ Before 31Jan 2017	Regular ³ From 1 Feb 2017	Walk-in	Early Bird ³ Before 31Jan 2017	Regular ³ From 1 Feb 2017	Walk-in		
REAAA Members ¹	5.0 million	5.5 million	6.0 million	750	850	1,000		
Non REAAA Members ¹	6.0 million	6.5 million	7.0 million	850	950	1,100		
Speakers ¹		3.5 million		600				
Students ¹		2.0 million		400				
Daily Rate ²		2.0 million		400				
Accompanying Persons ⁴		2.0 million		350				

- 1) Receive the conference kit with proceedings, attend all technical sessions, opening and closing ceremonies, welcome reception, gala dinner, one technical visit and daily refreshments and lunch.
- 2) Entitled to attend the plenary or technical sessions of the day including refreshments and lunch. The conference kit and proceedings are not included.
- 3) Registration form and fee fully received by the date specified.
- 4) Entitled to attend the welcome reception, opening and closing ceremonies (including lunch), gala dinner and the craft tour.

Concurring Events

REAAA General Meeting

The General Meeting of the Association is held every two to four years. The General Meeting is always held in conjunction with the REAAA Conference.

REAAA Council Meeting

The Management of the Association is vested in a Council which holds regular meetings to make policy decisions and set direction for the Association. In 2017, it will be on its 105th Governing Council Meeting.

Meeting of Head of Road Authorities

An important initiative of REAAA has been the establishment of region meetings of Head of Road Authorities (HORA) in the region. It is to provide a forum for region's most senior asset managers to interact in productive manner with each other on common issues. In 2017, it will be on its 12th HORA Meeting.

REAAA Young Engineers and Professionals Forum

Another important initiative of REAAA is the Young Engineers and Professionals (YEP) Forum. It reaches young members of REAAA to actively involve in multinational cooperation made possible by the Association. Each year the YEP meets to discuss ideas or promoting activities to improve the capacity of young its members,

IRF Training Workshops

An opportunity to experience IRF's program of certified training led by world-class instructors and reserved for delegates of the 15th REAAA Conference/IRF Global Road Summit.

Business Forum

With the theme of Enhance partnership on Public Private Partnership in member countries, the conference organizing committee would like to invite all of the CEO's of construction engineering, road industries and service industries to discuss and finding the business opportunity and build the strategic business partnership among private sector in member countries.

The prominent speakers from member countries and advance countries will share their experiences and ideas about the business opportunities and the successful public private partnership in their countries.

Agenda: business forum presentations and one to one meetings.



Business Forum Registration fee*

REAAA member : 500 USD (including gala dinner)
Non REAAA member : 700 USD (including gala dinner)
Accompanying person : 250 USD (including gala dinner)

^{*} The general conference registration fee doesn't include the Business Forum Meeting



Sponsorship

Opportunities

The conference organizing committee offers exciting opportunities for partnerships, joint conference activities or events, advertisement, etc. The sponsorship package available are titanium, platinum, gold and silver.

Through this event, you can increase the corporate brand image and market share national and internationally by connecting directly to the decision makers, researchers and state of the art of technology.

For further information related with sponsorship package available please contact the local organizing committee.

Exhibition Participation

The organizing committee would like to invite all of the construction engineering companies, industries, research center and other institutions in the field of road and bridge engineering for:

- Promote the achievements, industrial products or engineering services
- Build networking with the decision maker either in public or private sector
- Build networking with international strategic partners
- Share and exchange the ideas and views with others professional and researchers
- Get the information about the future trend of technologies and new construction materials



through participating in this prestigious conference exhibition. The organizing committee will provide 100 – 150 booth (size: 3x3 m) in the main corridor of the conference rooms. Booking rates for the exhibition booth:

- Early bird fee (confirmation & full payment by 31 January 2017) : USD 650 per sq. meter
- Standard fee (confirmation & full payment by 20 February 2017): USD 750 per sq. meter

The above rates has include the booth facilities such as frame of shell scheme booth comprising side and back panels, one table, two units folding chairs, electricity and two units fluorescent lights. Exhibitor entitlements:

- Two (2) exhibition passes
- A profile of the company or products in the exhibitor's directory (not exceeding 100 words)

Social Program

The conference will arrange several half day tours for delegates to select, to experience Balinese culture, natural beauty, and hospitability.

SP-1 Bali Essential Tour



The tour will visit Taman Ayun Temple, Ulun Danu Temple, Candi Kuning Market, Jatiluwih rice terrace and Tanah Lot Temple.

SP-2 Bali Water Sports and Marine Activity



Water sport and marine activities such as banana boat, parasailing, jet skiing, water skiing, glass-bottom boat rides, snorkeling, learning about turtle conservation and more!

SP-3 Elephant Safari Park and White-Water Rafting Adventure



Get up close and personal with Bali's wildlife on this thrilling nature tour. Combine a heart-pumping white-water rafting experience on the spectacular Ayung River with an elephant safari adventure.



Bali Mandara Toll Road

Technical Visit

Several Indonesian high profile projects are made available for technical visits. They are handpicked by the Organizer to demonstrate Indonesia's infrastructure development to date. Delegates are requested to select one visit of their interest.

TV-1 Bali Mandara Toll Road

The recently built toll road, connecting southern Bali peninsula to the main island. Stretched above the bay and built with strong consideration of local culture and environmental preservation.



TV-2 I Gusti Ngurah Rai Int. Airport

I Gusti Ngurah Rai Airport was built in 1930 and previously referred as Airport of Tuban. The new international terminal has an area of 120,000 m2 and has a unique architecture adopting Bali traditional culture. The building consists of 3 floors which is able to accommodate 16 million passengers per year.



TV-3 Benoa Bay Reclamation

The project seeks to build hotels, convention center, and entertainment centers on more than 700 hectares of reclamation land in Benoa. Development of the area has been criticized by conservationists because the bay covers 3,000 hectares teeming with a rich mangrove ecosystem that feeds the local fishing community.



Accommodations

There are numerous hotels with various star ratings within the vicinity of the conference venue. Delegates wishing to stay in the following hotels closest to the conference venue are required to communicate directly with the hotels for their requirements.

BALI NUSA DUA HOTEL & CONVENTION





Kawasan Pariwisata Nusa Dua Lot NW/1, Nusa Dua Bali 80363 - Indonesia T: +62 361 8498833.

Ms. Anjar Rinanti (Rina) Sales Coordinator M: + 62 812 3720 9998 E: rina@balinusaduahotel.com www.balinusaduahotel.com

F: +62 361 8498822

COURTYARD MARRIOT BALI NUSA DUA



Kawasan Pariwisata Lot SW1, Nusa Dua, Kabupaten Badung, Bali 80363, Indonesia Telepon:(0361) 3003888

Ms. Santy Kusuma Handy Assistant Director of Sales Jakarta Representative Office Mobile: 62 812 384 2841 cy.dpscy.ados@courtyard.com

MERCURE BALI NUSA DUA





Jalan Nusa Dua Selatan, Lot SW 03, Nusa Dua, Kabupaten Badung, Bali 80363, Indonesia

T +62 (0) 361 846 7000, F +62 (0) 361 846 7001 E-mail: H8006-SM@accor.com mercure.com, accorhotels.com/8006

Mr. Andre SARTIKA Director of Sales & Marketing M. +62 81 2385 1188

GRANDWHIZ NUSA DUA



Jl. Kawasan Nusa Dua Resort, Komplek Wisata Nusa Dua Blok T, Kabupaten Badung, Bali 80363. Indonesia

Telepon:(0361) 8498020, :+62 361 8498020

Ms. Astrid

Director of Sales & Marketing Mobile: 0818699372 / 0811389972

AMARIS HOTEL PRATAMA NUSA DUA - BALI





Jl. Pratama Lingk. Celuk, Kel. Benoa, Bali 80363, 80361. Indonesia Phone. +62361 8468333 I Fax. +62361 8468337

Ms. Lisa Darmayanti - Sales Mobile. +6281999258251

Email. sales@pratamabali.amarishotel.com -

Online booking.

www.amarishotel.com I www.santika.com

Contact Us

conference@reaaaindonesia.org

Visa Free

Delegates holding passport from the following 15 countries and territories are eligible to enter and remain in Indonesia without a visa for 30 days.

13.Singapore 14.Thailand

Visa on Arrival

Delegates holding passport from the following 66 countries may apply visa

upon arrivai in indonesia.							
1. Algeria	25.Hungary	47.Portugal					
	26.Iceland	48.Qatar					
3. Argentina		49.Romania					
	28.Ireland	50.Russia					
	29. Italy						
7. Belarusian		52.Seychelles					
8. Belgium	32.Latvia	53.Slovakia					
	33.Libya	54.Slovenia					
10.Bulgari	34.Liechten-	55.South					
11.Canada							
12.China	35.Lithuania	56.South					
13.Croatia	36.Luxemburg						
14.Cyprus	37.Maldives						
15.Czech	38.Malta	58.Suriname					
16.Denmark	39.Mexico	59.Sweden					
17.Egypt	40.Monaco	60.Switzerland					
18.England							
19.Estonia	42.New Zea-	62.Timor Lest					
20.Fiji							
	43.Norway						
22.France	44.Oman	65.UAE					
23.Germany	45.Panama	66.USA					
24.Greece	46.Poland						