



cigre

For power system expertise

CIGRE Paris Session

26-31 August 2018

Dr. Ahmet MEREV

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6. Poster Session D1-Ahmet MEREV (28th August)
7. Forum of National Committees of CIGRE (29th August)
8. Visit of Stands of Turkish Companies (29th August)
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Administrative Council Meeting-1 and Dinner (25th August)



Selim YÜREKTEN

Distinguished Member of
CIGRE Turkish NC

Items	Responsible	Schedule	Status
Welcome / Apologies / Remembrances / New AC representatives	RS	9:00 – 9:05	Information
1. Reminder of the principles set out in the Compliance Guide	RS	9:05 – 9:10	Information
2. Approval of the agenda and acknowledgement of the approval of the minutes of the last meetings (12 th & 13 th September 2017)	RS	9:10 – 9:15	Approval
3. General information	RS	9:15 – 9:20	Information
4. Report from the Steering Committee <ul style="list-style-type: none"> Strategic & action plans Brand and communication project Future of Electra Preparation of 2018 Session 	PhA RS MH MH PhA	9:20 – 9:25 9:25 – 10:10 10:10 – 10:20 10:20 – 10:40	Information Decision on project

Administrative Council Meeting-1 and Dinner (25th August)

5. Report form the Technical Council	MW	10:40 – 11:00	Information
Break		11:00 – 11:20	
6. Finances <ul style="list-style-type: none"> • 2018 LEOY • 2019 budget • 2020 forecast 	MA	11:20 – 11:40	Information Decision on budget
7. Report from Central Office <ul style="list-style-type: none"> • Life of the Association • Organisation of activities and staffing • CIGRE Information System • Elections of Tuesday 	PhA	11:40 12:10	Information
8. Reports from the regions	PhA	12:10 – 12:25	Information

Administrative Council Meeting-1 and Dinner (25th August)

9. Relations with other organisations	RS/PhA	12:25 12:40	Information
Lunch break		12:40 – 14:10	
10. Breakaway sessions on the following topics <ul style="list-style-type: none"> • CIGRE Action Plan • ELECTRA, the way forward 	All	14:10 – 16:10	Discussion
11. Miscellaneous	All	16:10 – 16:20	
12. Date and venue of next meetings	RS/PhA	16:20 – 16:30	Decision

Administrative Council Meeting-1 and Dinner (25th August)

- CIGRE Başkanı ve Genel Sekreter açılış konuşmalarını yaptılar, detay raporları okudular.
- Raporda gösterilen üye sayısının bir rekor olduğunu ve genel memnuniyeti paylaştılar.
- Ayrıca geçen yıllardaki eksiye karşılık bu yıl oldukça büyük kar yapıldığını Genel Sekreter detaylarla anlattı (Mali yardımlar talep edilebilir)
- Şu anda 59 NC oluşmuş: Gürcistan ve Peru yeni üye,
- Bolivia, Ekvador, Filipinler, Bulgaristan Endonezya, Estonya akın gelecekte üye olacak ülkeler

Administrative Council Meeting-1 and Dinner (25th August)

- Daha sonra CIGRE USA grubu merkezden aldığı istek üzerine gelecek CIGRE'nin nasıl geliştirileceğini bir senaryo halinde anlattılar. Uzun uzun tekliflerde bulundular. CIGRE USA grubu bundan böyle daha aktif olacak.
- Electra'nın değiştirilmesi için teklifler ve konuşmalar yapıldı. Bunlardan birinin, Electra'nın digital hale getirilmesiydi. Bilim ve iş dünyasından, elektrik şebeke ve yönetimleri ile ilgili haberlerin de yayımlanmasına kadar hayli konu tartışıldı. CIGRE USA grubu ve Genel Sekreter birlikte bu konuyu işlemeye devam edecekler.
- Yeni gelen AdCo üyeleri tanıştırıldı. Yönetim kurulunda çalışma vakti biten üyelerin yerine yenileri seçildi. Başkan 2 yıl daha kaldı.
- Daha sonra toplantıda bulunanlar 8-10 kişilik gruplar halinde masalara bölünerek, CIGRE'nin gelecekteki çalışmalarının çeşitleri hususunda yeni fikirler ürettiler (Brain Storming). Bunlar daha sonra yönetimce değerlendirilecek.

Opening Ceremony and Cocktail Dinner (26th August)

Start: 16:00, Paris-Palais des Congres, Grand Amphitheatre

- CIGRE President Opening Speech (Dr. Rob Stephen, South Africa)
- Keynote Speaker (Mrs. Audrey ZIBELMAN, CEO, Australian Energy Market Operation)
- Awards
- Welcome Drinks



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The Sixth Huawei Global Power Summit (27th August)



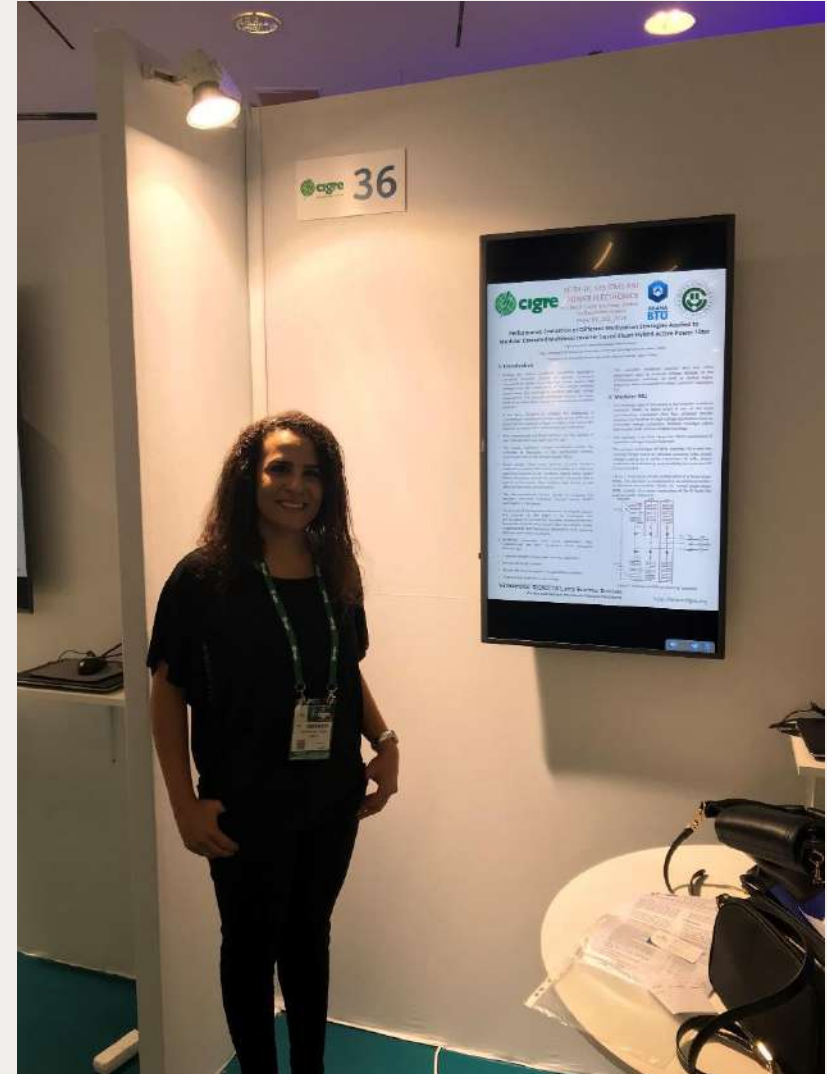
Poster Session B4-Tuğçe DEMİRDELEN (27th August)

B4-203

Performance Evaluation of Different
Modulation Strategies Applied to Modular
Cascaded Multilevel Inverter based Shunt
Hybrid Active Power Filter

Dr. Tuğçe DEMİRDELEN

Adana Bilim ve Teknoloji Üniversitesi



Administrative Council Meeting-2 and Lunch (28th August)



Dr. Ahmet MEREV

Vice Chairman of CIGRE
Turkish NC



A. Cevdet GÜLTEKİN

General Secretary of CIGRE
Turkish NC



Selim YÜREKTEN

Distinguished Member of
CIGRE Turkish NC

Administrative Council Meeting-2 and Lunch (28th August)

1. Reminder of the principles set out in the Compliance Guide
2. Confirmation of the President
3. Election of three Steering Committee members
4. Election of two Administrative Council representatives on the Technical Council
5. Miscellaneous
6. Date and venue of the next meeting



Administrative Council Meeting-2 and Lunch (28th August)

Confirmation of the President



- The President in office, Rob STEPHEN (South Africa), elected on 23rd August 2018 for a two year term of office, and will terminate his mandate on 28rd August 2018.
- On January 2018, the Secretary General obtained advice from Rob STEPHEN that he wished to serve as President for a further term.
- On January 16th 2018, the Secretary General invited the Administrative Council members to submit names of candidates for President of CIGRE, before the deadline of end of May 2018.
- The Administrative Council unanimously supported a two year extension of Rob STEPHEN's term of office. He term will come to an end on 25th August 2020.
- No election is required for the President.

Administrative Council meeting, Paris (France), 28/08/2018

Treasurer and TC Chair



- The Treasurer in office, Michel AUGONNET (France), was elected on 23rd August 2016 for a four year term.
- No election is required for the Treasurer.
- The Chairman of the Technical Council in office, Mark WALDRON (United Kingdom), elected on 28th August 2012 for a four year term, was extended of two years by the Administrative Council on 23rd August 2016.
- On 13th September 2017 in Auckland (New Zealand), the Administrative Council elected Marcio SZECHTMAN (Brazil) as the new Technical Council Chairman, for a four year term starting on 28th August 2018.
- No election is required for the Technical Council Chairman.

Administrative Council meeting, Paris (France), 28/08/2018

Administrative Council Meeting-2 and Lunch (28th August)

Candidates to the 3 SteerCo seats

- **Australia** : Trevor ARMSTRONG
- **Canada** : Mohamed RASHWAN
- **Finland** : Liisa HAARLA
- **GCC** : Thani AL KHUSAIBI
- **Israel** : Alex LEVINZON
- **Korea** : Ja-yoon KOO
- **Kosovo** : Pranvera DOBRUNA KRYEZIU
- **Mexico** : Gilberto HARPER ENRIQUEZ
- **Romania** : Ciprian DIACONU

Administrative Council meeting, Paris (France), 28/08/2018

Ballot Weight
1

Election of CIGRE Steering Committee members of 28th August 2018
1st round


Candidates	National Committee	Tick your choice (maximum 3)
Trevor ARMSTRONG	Australia	<input type="checkbox"/>
Mohamed RASHWAN	Canada	<input type="checkbox"/>
Liisa HAARLA	Finland	<input checked="" type="checkbox"/>
Thani AL KHUSAIBI	GCC	<input type="checkbox"/>
Alex LEVINZON	Israel	<input type="checkbox"/>
Ja-yoon KOO	Korea	<input type="checkbox"/>
Pranvera DOBRUNA KRYEZIU	Kosovo	<input checked="" type="checkbox"/>
Gilberto HARPER ENRIQUEZ	Mexico	<input type="checkbox"/>
Ciprian DIACONU	Romania	<input checked="" type="checkbox"/>

Administrative Council Meeting-2 and Lunch (28th August)



Administrative Council Meeting-2 and Lunch (28th August)

SteerCo election results



Rank	Name	Votes obtained
1	Mohamed RASHWAN	28
2	Liisa HAARLA	25
3	Trevor ARMSTRONG	14
4	Ciprian DIACONU	13
tie	Ja-yoon KOO	13
6	Thani AL KHUSAIBI	12
7	Pranvera DOBRUNA KRYEZIU	11
8	Alex LEVINZON	6
9	Gilberto HARPER ENRIQUEZ	3

Administrative Council meeting, Paris (France), 28/08/2018



Mohamed Rashwan

Administrative Council Meeting-2 and Lunch (28th August)

Candidates to represent the AdCo on TC



- Kosovo : Pranvera DOBRUNA KRYEZIU
- Romania : Ciprian DIACONU
- Sweden : Ulf MOBERG

Administrative Council meeting, Paris (France), 28/08/2018

Ballot
Weight

1


Election of AdCo representatives on TC of 28th August 2018

1st round

Candidates	National Committee	Tick your choice (maximum 2)
Ciprian DIACONU	Romania	<input checked="" type="checkbox"/>
Pranvera DOBRUNA KRYEZIU	Kosovo	<input checked="" type="checkbox"/>
Javier IGLESIAS	Spain	<input type="checkbox"/>
Ulf MOBERG	Sweden	<input type="checkbox"/>

Administrative Council Meeting-2 and Lunch (28th August)

AdCo rep. On TC election results



Rank	Name	Votes obtained
1	Ciprian DIACONU	62
2	Ulf MOBERG	57
3	Pranvera DOBRUNA KRYEZIU	22

Spoiled votes 5

Administrative Council meeting, Paris (France), 28/08/2018



Ahmet MEREV (TUR)
and
Ciprian DIACONU (ROM)

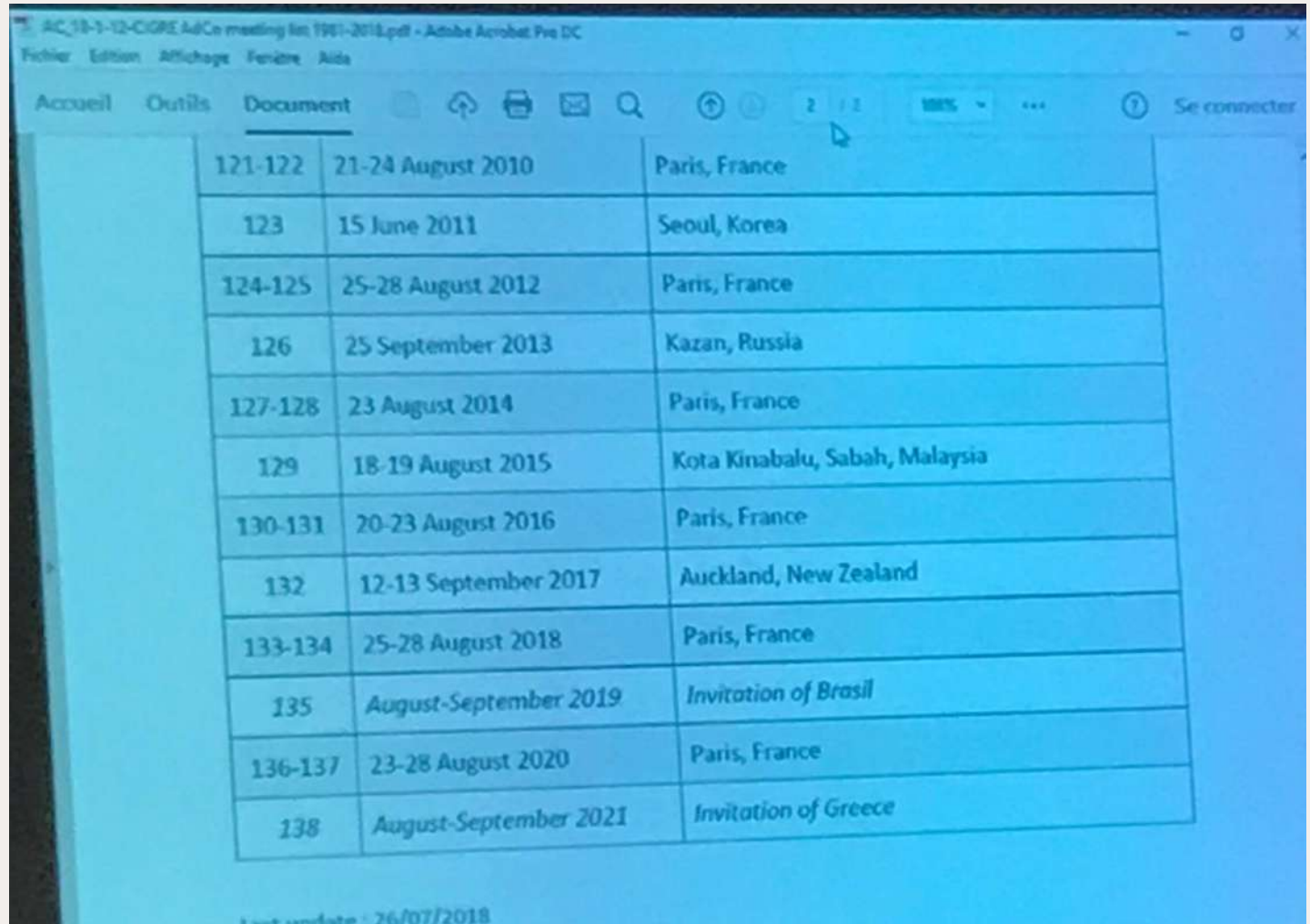
Administrative Council Meeting-2 and Lunch (28th August)



Liisa HAARLA (FIN) and
Ulf MOBERG (SWE)

Administrative Council Meeting-2 and Lunch (28th August)

Next CIGRE AdCo
Meeting Places



121-122	21-24 August 2010	Paris, France
123	15 June 2011	Seoul, Korea
124-125	25-28 August 2012	Paris, France
126	25 September 2013	Kazan, Russia
127-128	23 August 2014	Paris, France
129	18-19 August 2015	Kota Kinabalu, Sabah, Malaysia
130-131	20-23 August 2016	Paris, France
132	12-13 September 2017	Auckland, New Zealand
133-134	25-28 August 2018	Paris, France
135	August-September 2019	Invitation of Brasil
136-137	23-28 August 2020	Paris, France
138	August-September 2021	Invitation of Greece

Printed on: 26/07/2018

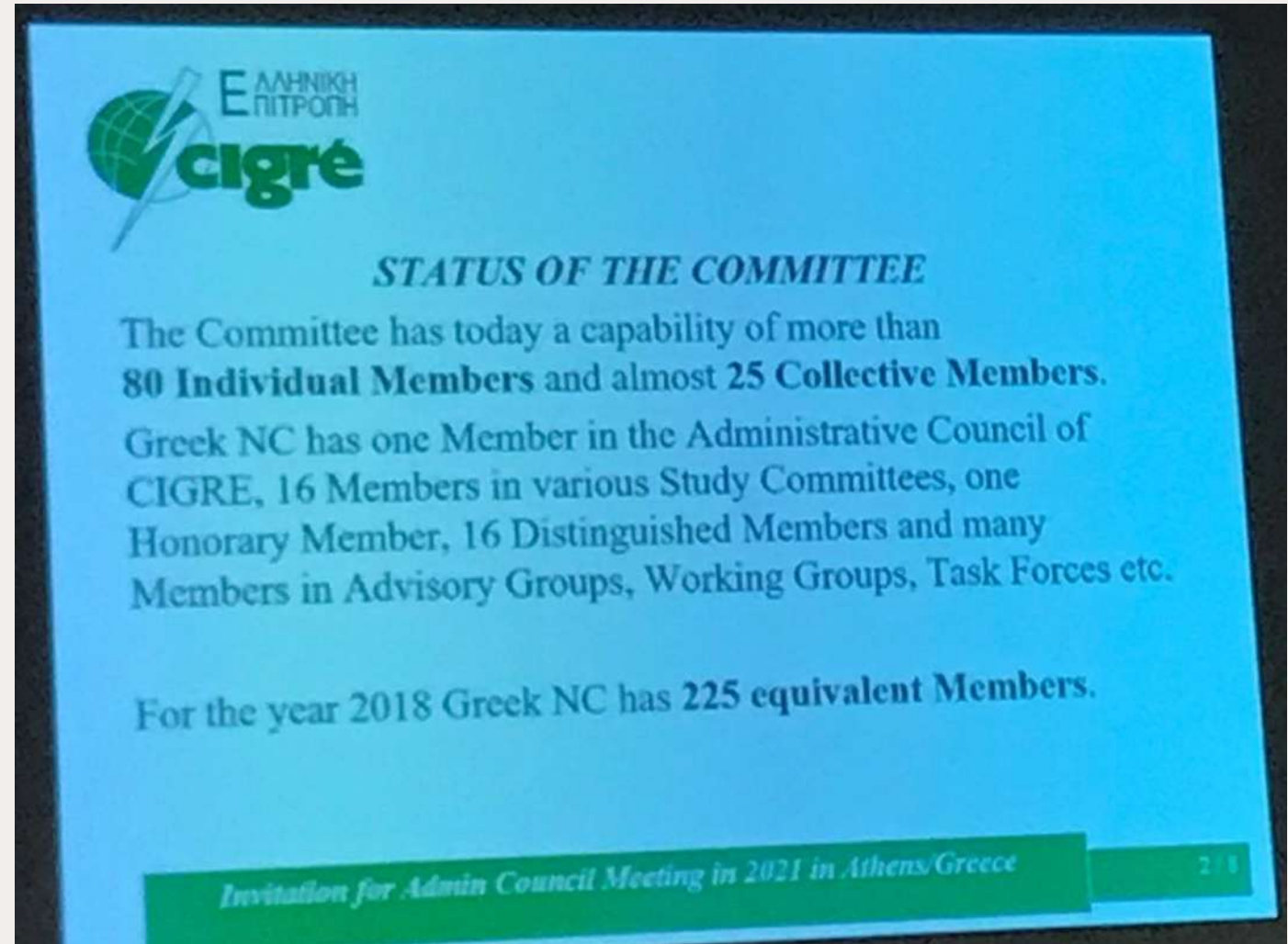
Administrative Council Meeting-2 and Lunch (28th August)

Greek National Committee
Candidacy for hosting of
CIGRE ADMINISTRATIVE
COUNCIL MEETING 2021



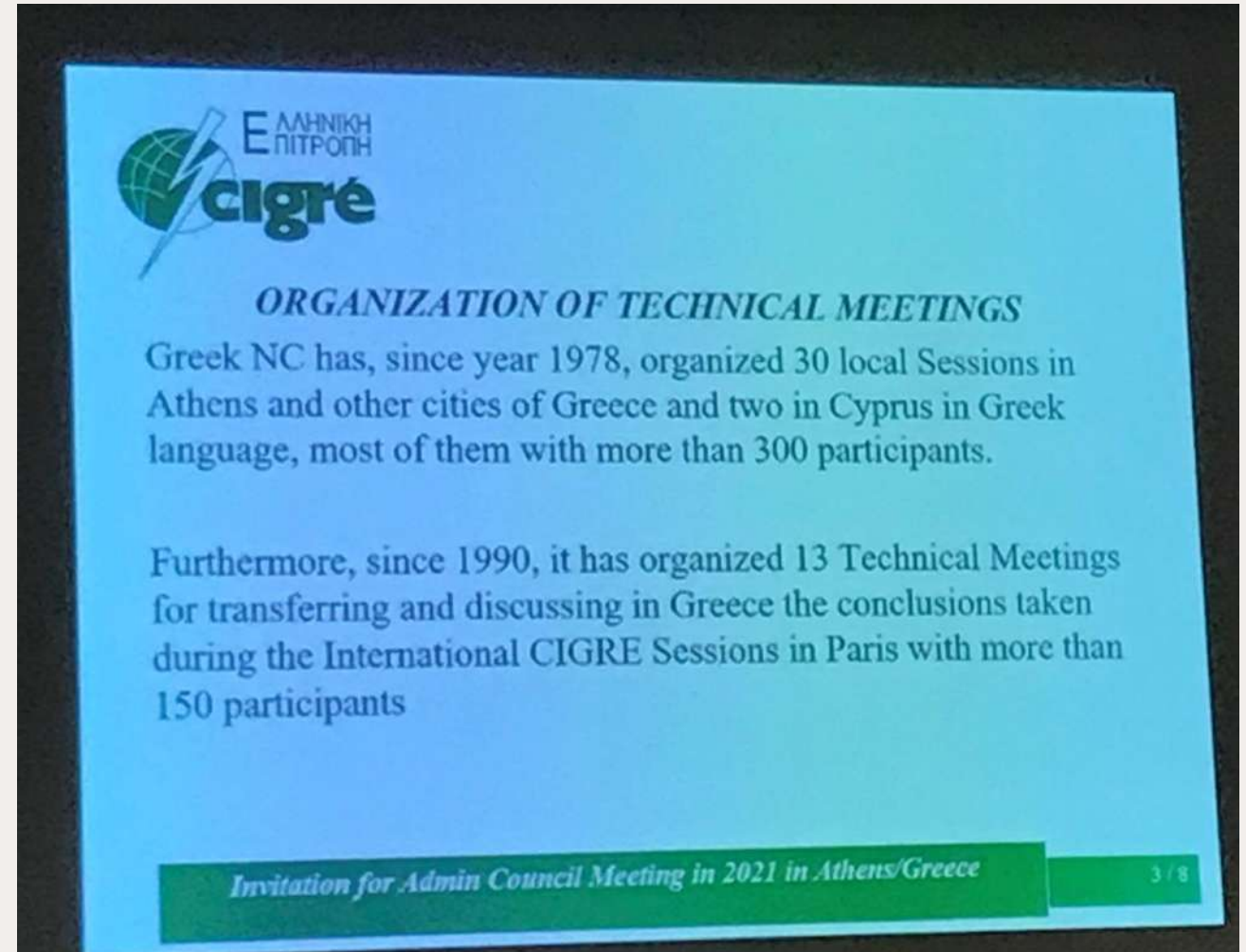
Administrative Council Meeting-2 and Lunch (28th August)

- Current status of Greek NC



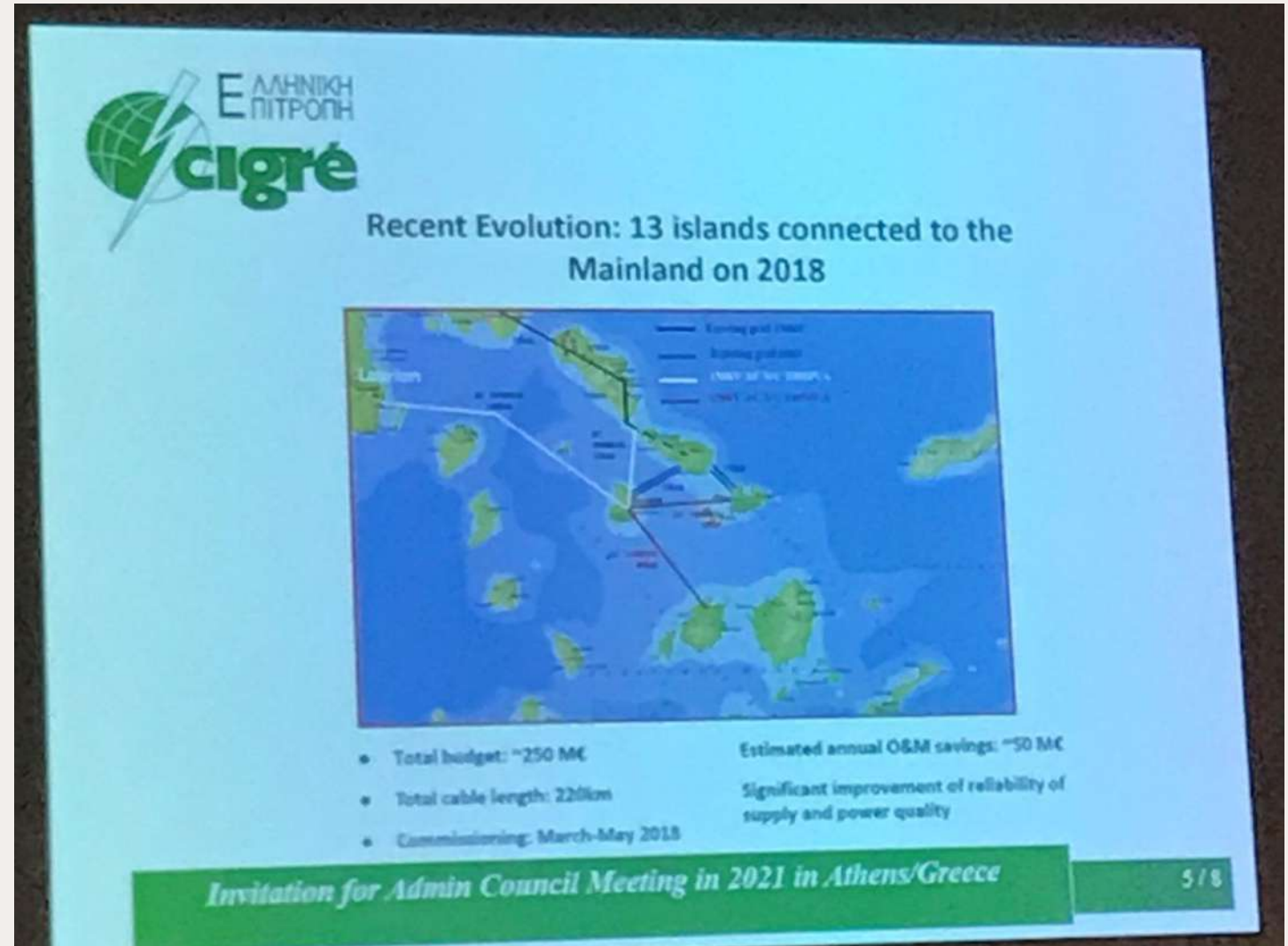
Administrative Council Meeting-2 and Lunch (28th August)

- Major Project: 13 islands connected to the mainland on 2018



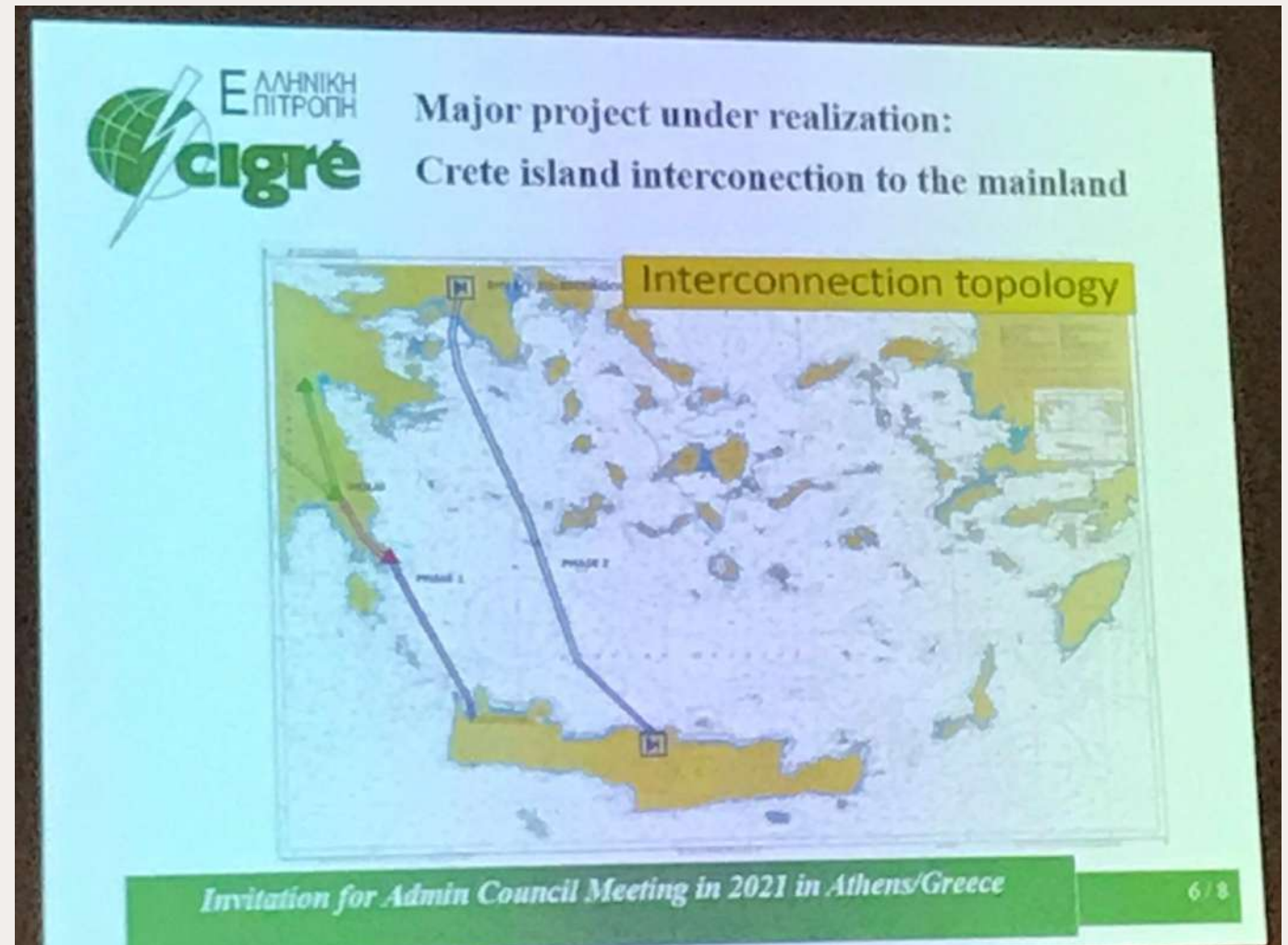
Administrative Council Meeting-2 and Lunch (28th August)

- Major Project: 13 islands connected to the mainland on 2018



Administrative Council Meeting-2 and Lunch (28th August)

- Major project



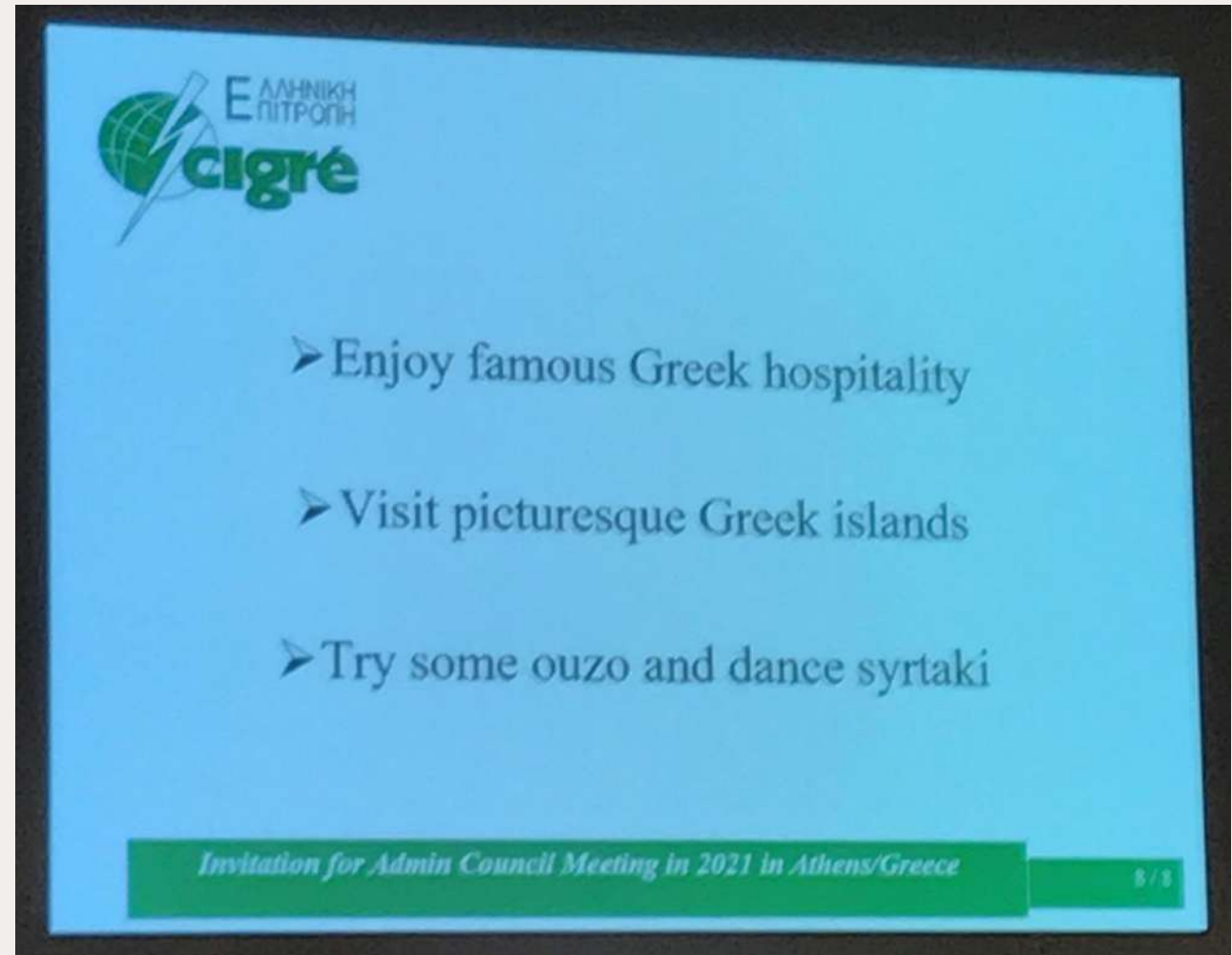
Administrative Council Meeting-2 and Lunch (28th August)

- Historical background



Administrative Council Meeting-2 and Lunch (28th August)

- Hospitality
- Picturesque
- Food and drink



The slide features the CIGRE logo in the top left corner, which includes a globe with a lightning bolt and the text 'ΕΛΛΗΝΙΚΗ ΠΙΣΤΟΤΗΤΑ' and 'cigre'. The main content consists of three bullet points, each preceded by a right-pointing arrowhead. At the bottom, there is a green banner with white text, and a small page number '8 / 8' in the bottom right corner.

ΕΛΛΗΝΙΚΗ ΠΙΣΤΟΤΗΤΑ
cigre

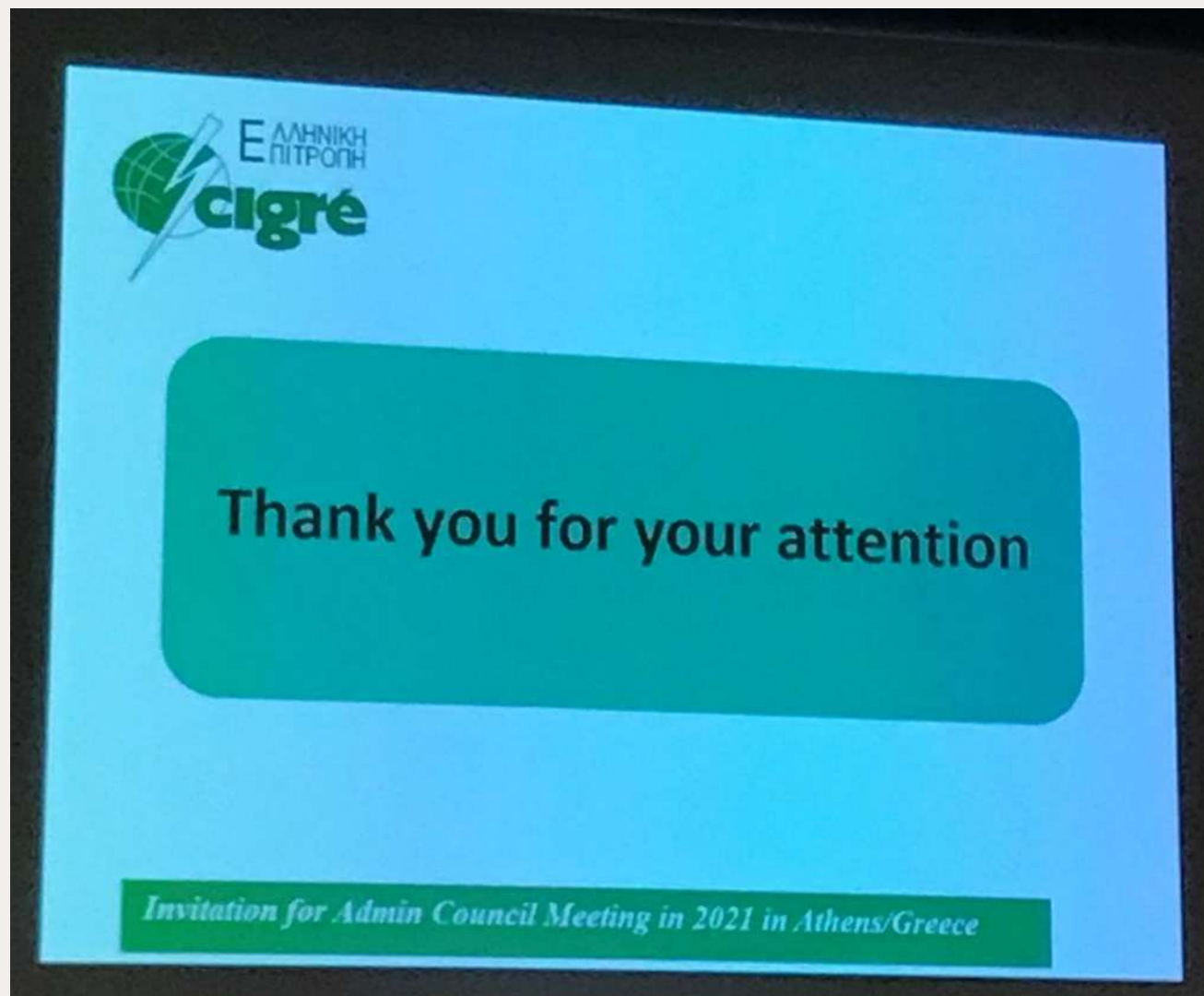
- Enjoy famous Greek hospitality
- Visit picturesque Greek islands
- Try some ouzo and dance syrtaki

Invitation for Admin Council Meeting in 2021 in Athens/Greece

8 / 8

Administrative Council Meeting-2 and Lunch (28th August)

Thank you for your attention !!!



CIGRE Administrative Council



Poster Session D1-Ahmet MEREV (28th August)

D1-321

The performance of calculable impulse calibrator up to 600 V

Dr. Ahmet MEREV

TÜBİTAK Ulusal Metroloji Enstitüsü (UME)



Forum of National Committees of CIGRE (29th August)

Items	Responsible	Timing
1. Introduction by the Secretary General	Philippe ADAM	8:45 – 8:50
2. Approval of the agenda	All	8:50 - 8:55
3. 2018 Session preparation feedback <ul style="list-style-type: none"> Paper selection process Registration process Q&A 	Sylvie BOURNEUF Philippe ADAM	8:55 – 9:10
4. Renewal of Study Committee members campaign 2018-2020 <ul style="list-style-type: none"> Additional members Q&A 	Philippe ADAM	9:10 – 9:20
5. Interactions between the National Committees and the Central Office <ul style="list-style-type: none"> CIGRE calendar of activities involving National Committees and Central Office Q&A 	Philippe ADAM	9:20 – 9:30

Forum of National Committees of CIGRE (29th August)

6. Membership management <ul style="list-style-type: none"> • Membership renewal and fee payment process • Q&A 	Christiane OUNISSI	9:30 – 9:45
7. Young members <ul style="list-style-type: none"> • Knowledge sharing on how to attract and support young member • Any good advices on how to start up a student/"young member" branch in a small NC with limited resources • Q&A 	Jorgen CHRISTENSEN	9:45 – 10:05
Break		10:05 – 10:30
8. Brand & marketing project <ul style="list-style-type: none"> • Logo issues • Communication material • Brand station • Q&A 	Mike HEYECK and Colin KNOX	10:30 – 11:05

Forum of National Committees of CIGRE (29th August)

9. CIGRE information system <ul style="list-style-type: none">• Knowledge Management System (KMS)• E-cigre• New website• Future projects	Rodney HUGHES Philippe ADAM	11:05 – 11:35
10. Analysis of the activity reports of National Committees	Philippe ADAM	11:35-11:50
11. Miscellaneous		11:50 – 12:00

2018 Session preparation feedback

SESSIONS	2018	2016	2014
Delegates	3757	3229	3026
Companions	384	372	549
Exhibiting companies	301	242	215
Visitors & exhibitors bagdes	4800	3600	-
SC & WG meetings	202	199	204
Session area	22920	18420	-
Exhibition area	5792	4975	4378
Poster area	2300	1050	440



Paper selection process

1. 04 January 2017: online submission of synopsis opening
2. 30 June 2017: deadline of submission of synopses
3. 716 synopsis received
4. 12 October 2017: planned notification of acceptance (606 accepted)
5. 15 June 2018: publication of technical program
6. 15 February 2018: planned receipt of full papers
7. 24 May to 19 July 2018: Special Report posting



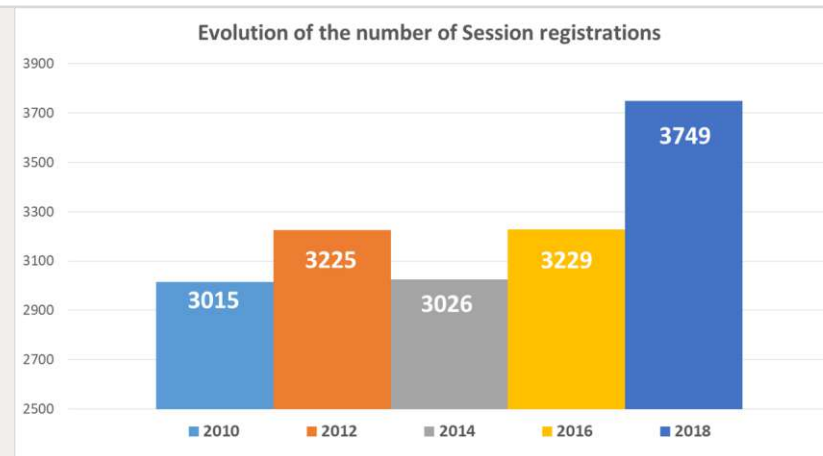
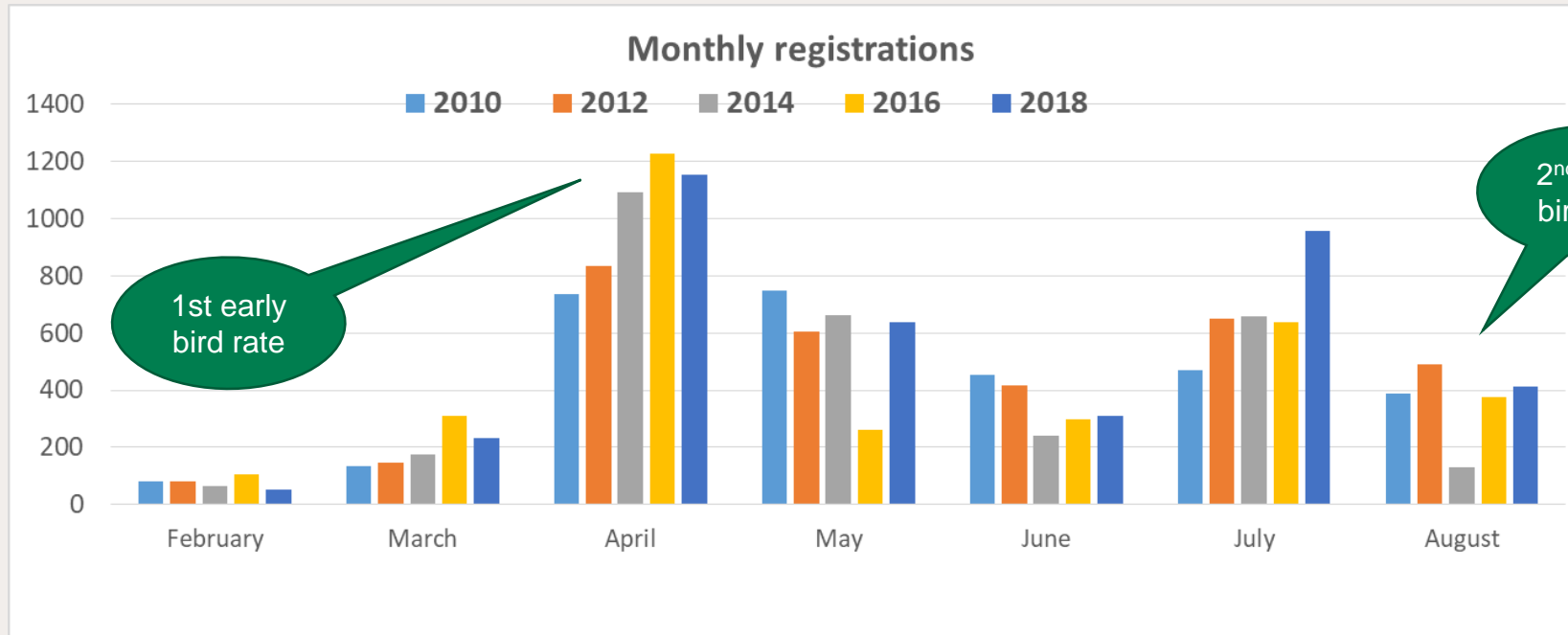
Registration process

1. 05 February 2018: opening of registrations including tutorials
2. 15-16 % discount until 30 April
3. 3-5 % discount until 10 July
4. 10 August : closing of registrations
5. No registration at the venue

But : still many late registrations, beyond the deadlines, asking for urgent treatment of invitation for visa application, and harassment of the Central Office staff by telephone and email.



Registration process (cont'd)



Registration process (cont'd)

1. Free registrations for young members
2. 2 free registrations have been proposed to all NCs
3. Waiting list to allocate the free registrations not used by some NCs
4. 31 NCs have answered
5. 116 free registrations have been allocated (84 in 2016, 30 in 2014) 😊
6. 10 have not been activated by the recipients 😞



Renewal of SC members 2018-2020

58 / 58 NC Grid confirmed

696 applications :

- 377 terms renewal
- 319 new members offers
- 319 sent CV

Survey to NCs : 21 December 2017

Deadline for NC answers: 15 February 2018

Notification to NCs : 11 May 2018

16 / 16 SC Selection confirmed

	Members	Applications	Selected
Regular	380	448	380
Observer	229	178	229
Regular additional	52	70	52
Total	661	696	661



Interactions between the NCs and CO

	Session year (even)												Non-Session year (odd)											
Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Transmission of the membership renewal fees to the Central Office	Green	Green	Green		Grey		Grey		Grey		Grey		Green	Green	Green		Grey		Grey		Grey		Grey	
Proposals of candidates for the renewal of Study Committee members	Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Yellow	Yellow
Nominations for the CIGRE Medal	Blue	Blue	Blue		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey	Blue	Blue	Blue
Nominations for the CIGRE Honorary Members and Fellow Awards	Orange	Orange	Orange	Orange	Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey	Orange
Nominations for the CIGRE Distinguished members Awards	Green	Green		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Green	Green	Green
Nomination of candidates to Officers, to SteerCo and AdCo Rep. on TC		Yellow	Yellow	Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey
Request for National Committee funding	Grey		Grey		Grey		Grey		Grey	Blue	Blue		Grey		Grey		Grey		Grey		Grey	Blue	Blue	
Presentation of synopses and papers for the Session	Orange	Orange	Grey		Grey		Grey		Grey		Grey	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Grey		Grey	Orange	Orange	Orange
Proposal Working Group members	Grey	Green	Green	Grey	Green	Green	Grey	Green	Green	Green	Green	Green	Grey	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Report for the Forum of National Committees during the Session	Grey		Grey		Yellow	Yellow	Yellow		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey	
Information on national power systems	Grey	Blue	Blue	Blue	Blue	Blue	Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey		Grey	



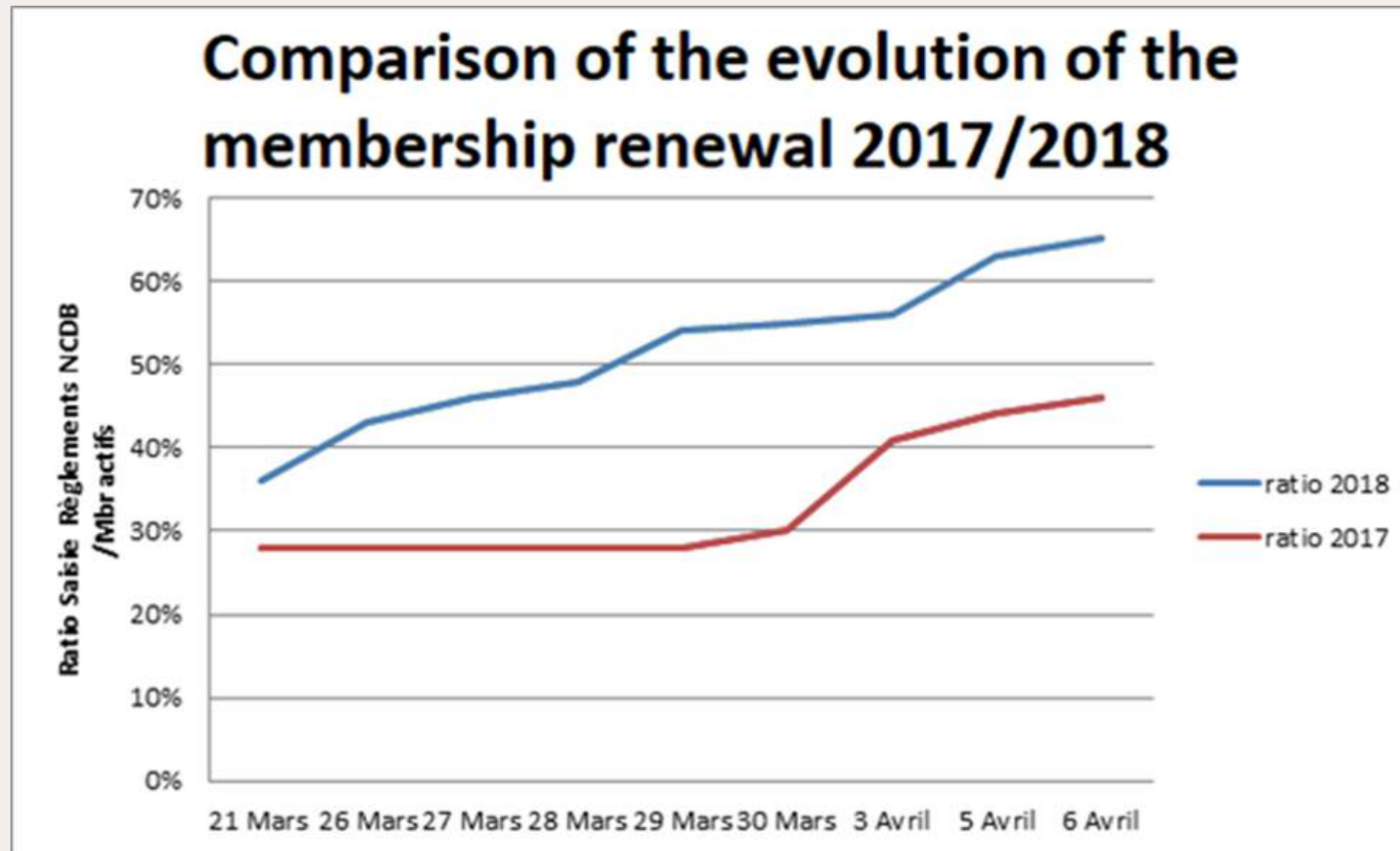
National Committee responsiveness

1. National Committee funding 2018 survey : 45 requests, 23 allocations (51%),
2. Surveys (SurveyMonkey) about :
 - National Committee Funding 2018: 45 responses
 - Lists of guests for the CEO event: 168 responses
 - NGN or Young Members Group contacts: 45 responses
 - Nomination of new Administrative Council members: 36 responses
 - Women in Engineering contact details: 42 responses
 - Brand Station scheduling au the Session: 42 responses
 - Activity reports and national power system data: 43 responses
 - Attendance to the Forum of National Committees: 61 responses
3. Average NC responsiveness : 71% 😞

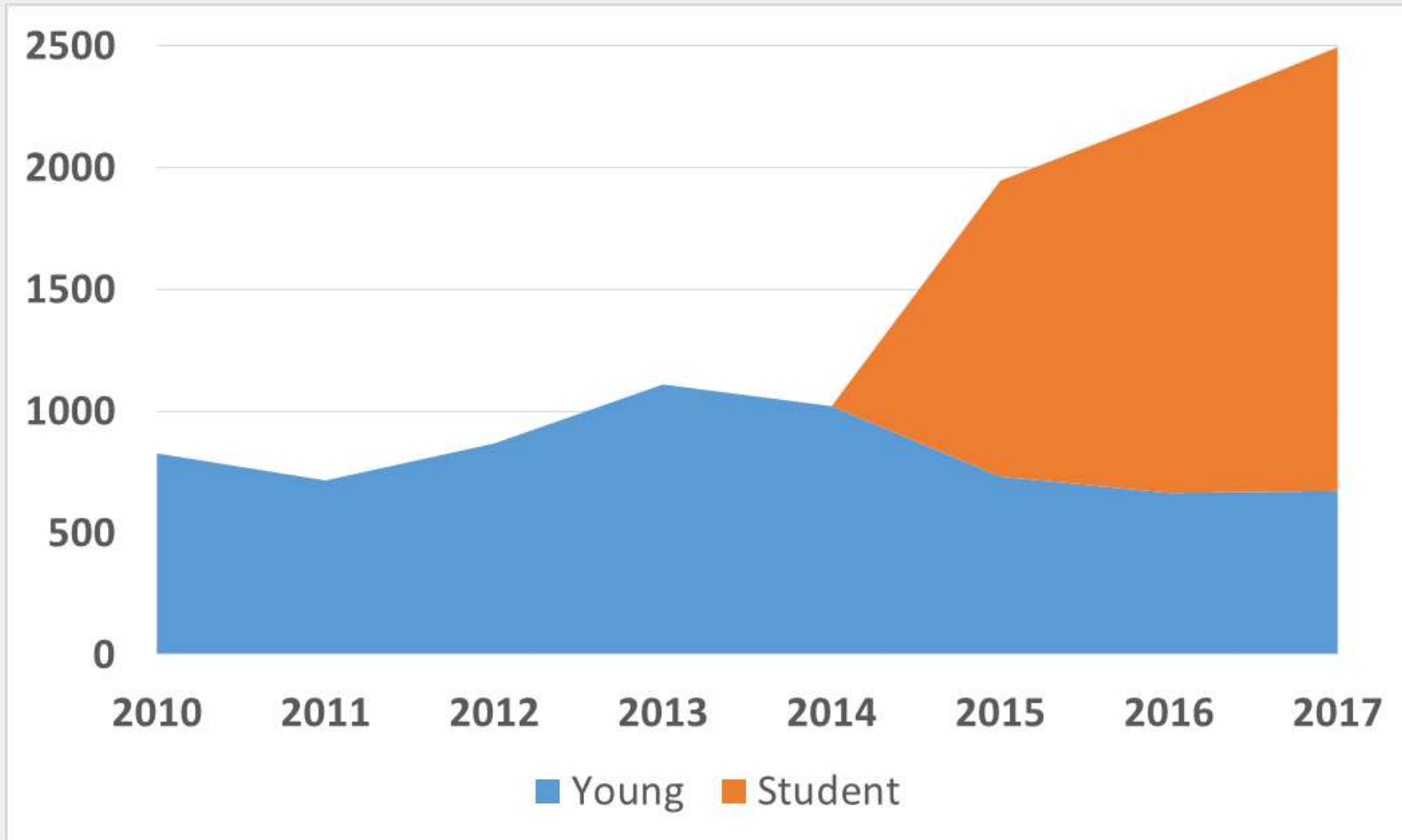


Membership renewal issue

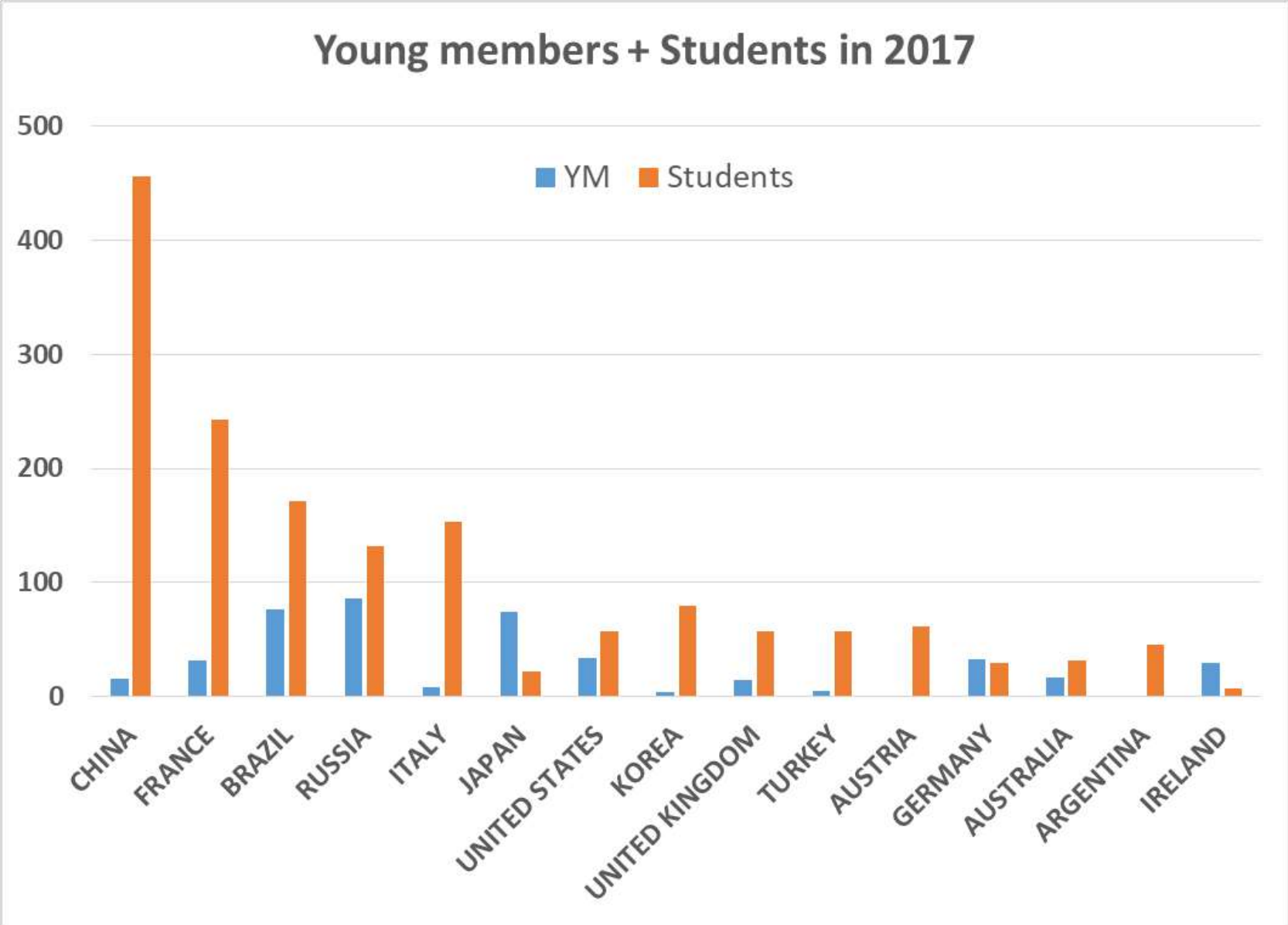
1. Statutory requirements: all renewals (100%) made on 31st March (Article 4)
2. Situation at the end of March: improved, but not ideal.



Young members



Young members (cont'd)



Brand & marketing project

Presentation by

- Mike HEYECK, US member of CIGRE Steering Committee, convener of the Marketing Task Force
- Colin KNOX, consultant (ASPIRE, New Zeland)



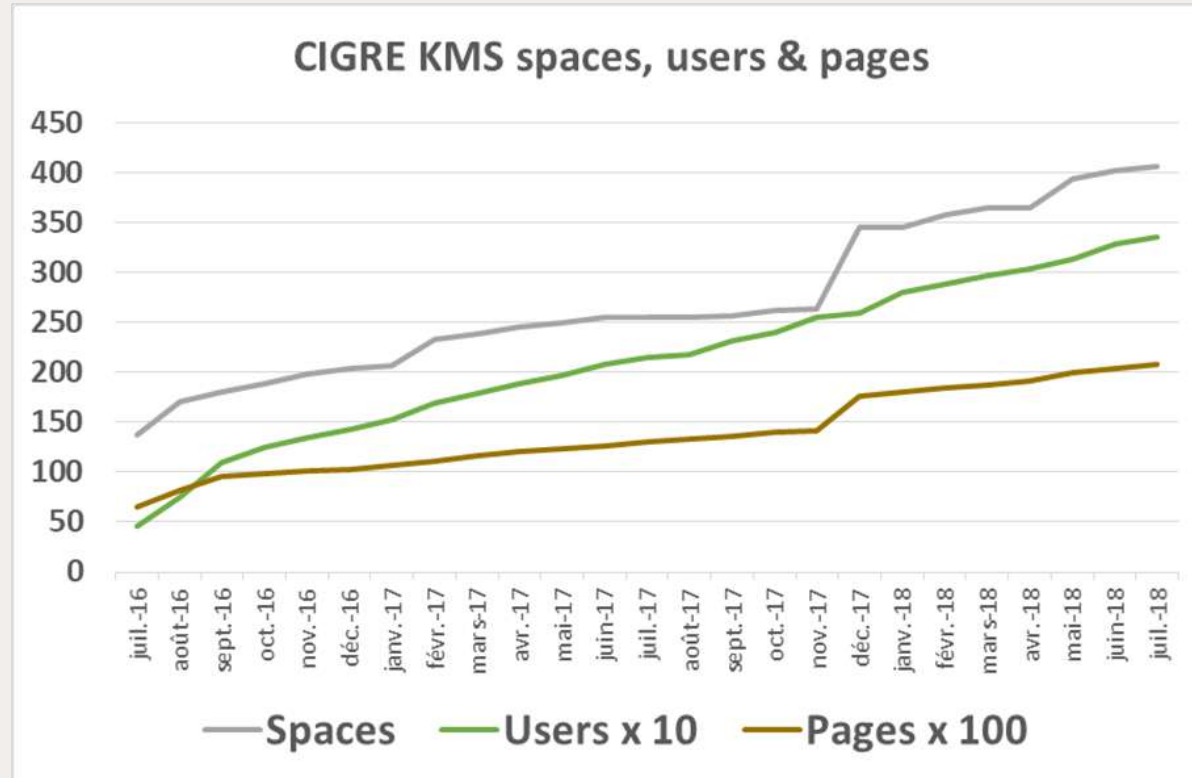
CIGRE information system

1. Website: the institutional website, just refurbished, in operation since 24th August 2018
2. E-cigre: the online technical library open since 2nd July 2017
3. KMS : online collaborative tools for all CIGRE groups, including
4. Dedicated platforms:
 - Event registrations,
 - Event paper management,
 - Study Committee membership renewal,
 - Surveys,
5. Social networks: LinkedIn and Twitter



CIGRE Knowledge Management System

1. @ 31 July 2018: 3358 users / 406 spaces / 20846 pages



2. TC = 100%, Steering Committee = 100% 😊

3. National Committee Representatives = 75% 😞



Knowledge Management System (KMS)

Presentation

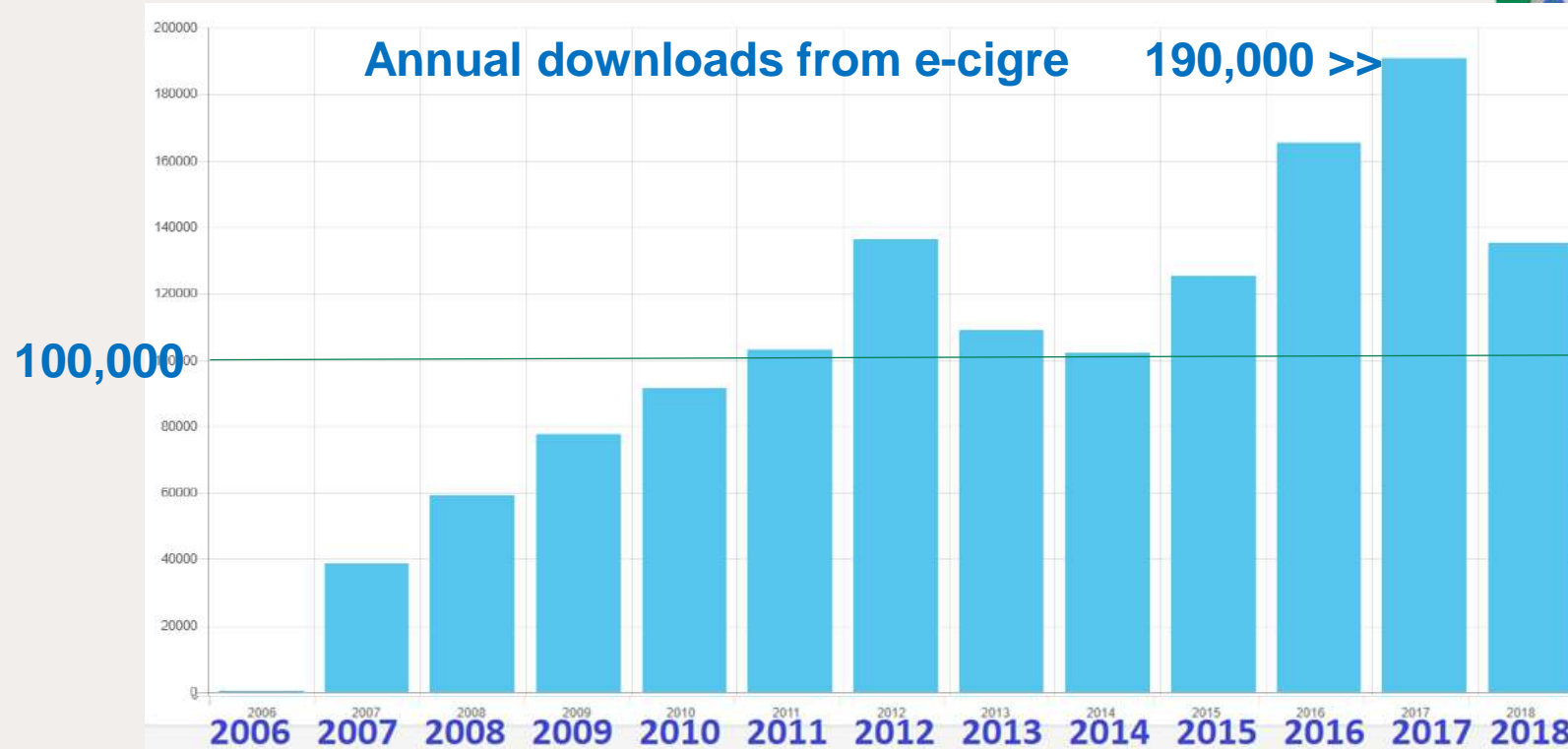
by Rodney HUGHES (Australia),
CIGRE KMS facilitator

rhughes@cigre.org



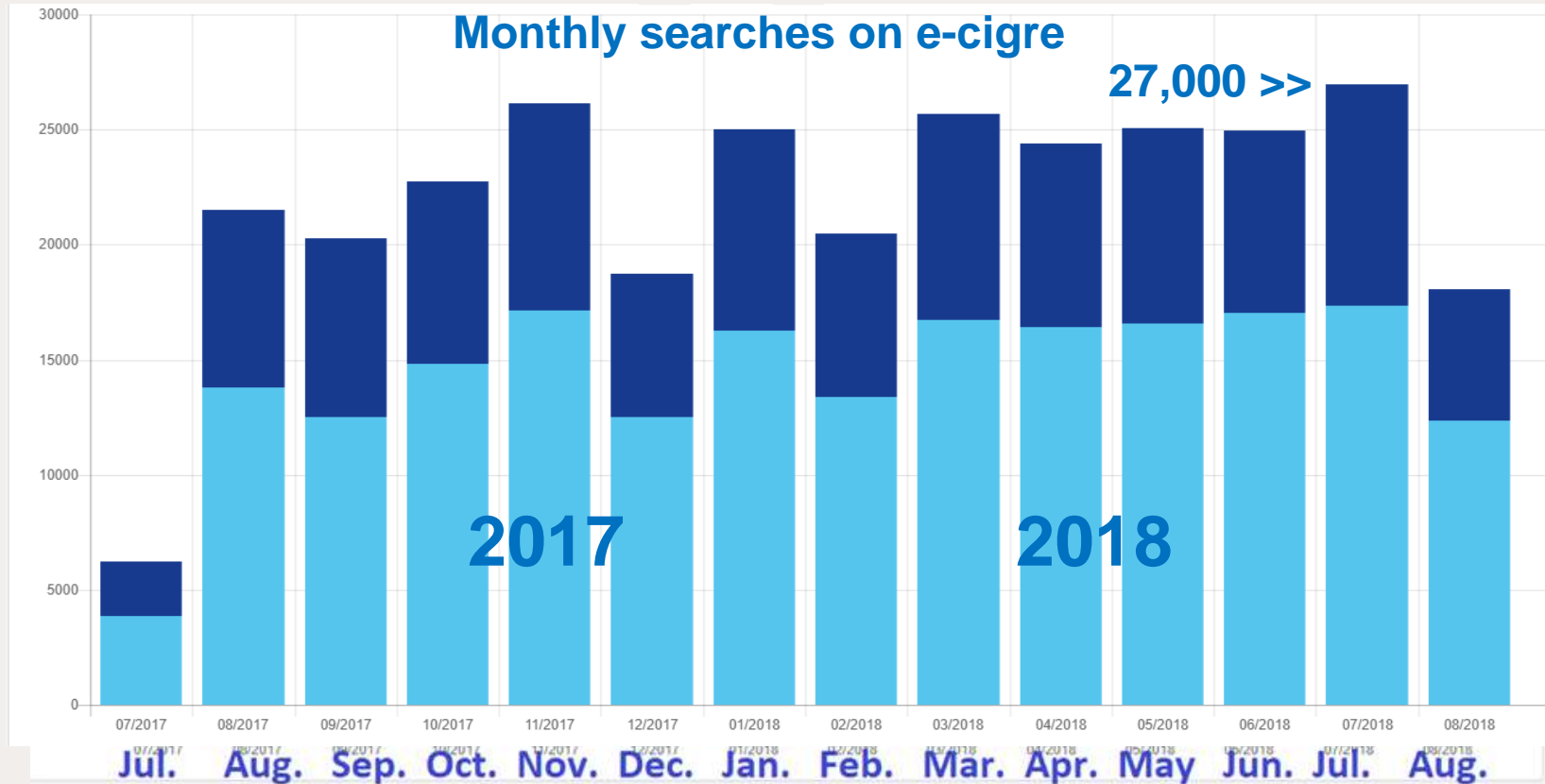
E-cigre

1. @ 22 August 2018 : **14640** active users



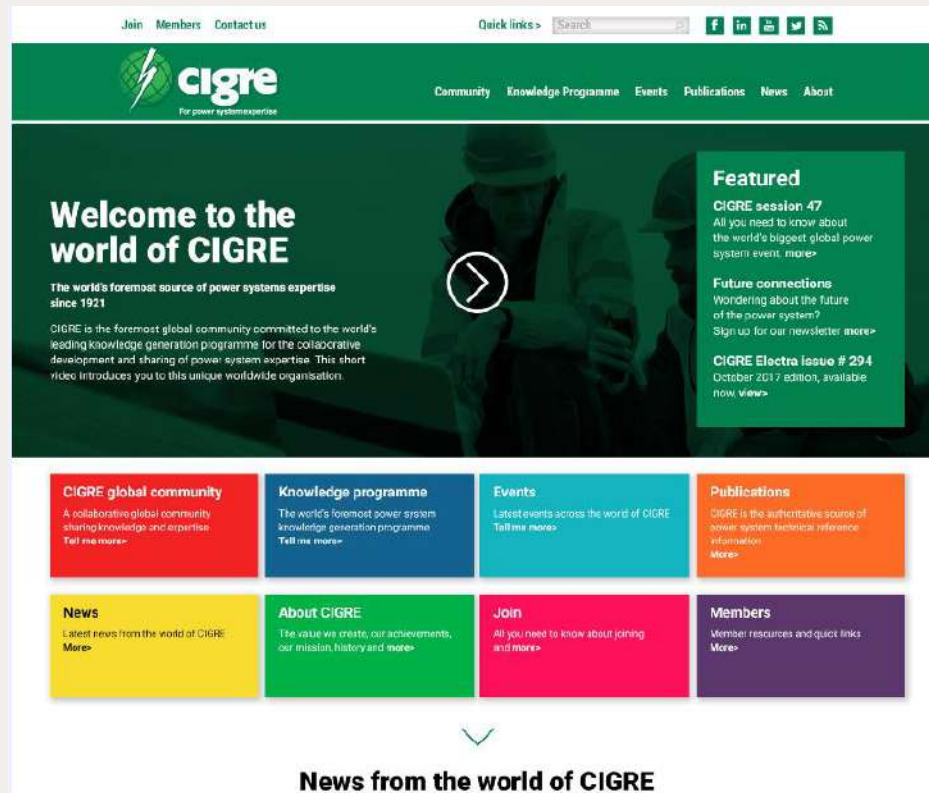
E-cigre (cont'd)

1. @ 22 August 2018 : **14640** active users



New CIGRE website

1. Developed in close cooperation with the « Brand & Communication » project.
2. Operational on 24th August 2018



CIGRE information system development

1. Dedicated platforms:
 - Web conferencing (under discussion with TC)
 - WG management (for the end of 2018)
2. Digitalization of CIGRE archives
3. Electra digital



NC activity reports

1. Activity reports

- 37 responses (63%)
- 29 responses (49%) before the deadline
- Posted on the « All National Committee » KMS space
- Will be processed by Central Office in a global report before the end of 2018

2. Information on national power systems

- 39 responses (66%)
- Will be posted on the new website (NC page)



Visit of Turkish Companies' Stands (29th August)



Brand Meeting (29th August)



marketingresources.cigre.org



Mike HEYECK,

US Member of CIGRE Steering
Committee,

Convener of the Marketing Task
Force

Colin KNOX,

Consultant (ASPIRE, New Zealand)

Brand Meeting (29th August)

marketingresources.cigre.org

CIGRE Korea NC Reception (29th August)



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Prof. Dr. Christine SCHWAEGERL

Chair of SC C6:Active Distribution
Systems and Distributed Energy
Resources



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Istanbul, Turkey

Candidate for hosting

C6 Symposium and Meeting 2021

Dr. Ahmet MEREV

Vice Chairman of Turkish National Committee

Invitation for C6 Symposium and Meeting in 2021 in Istanbul



Istanbul, Turkey
Candidate for hosting
C6 Symposium and Meeting 2021

Dr. Ahmet MEREV
Vice Chairman of Turkish National Committee

Istanbul / Turkey

Experience 9000 years of history....



Status of Committee

The Committee has today a capability of 89 Individual Members and almost 20 Collective Members.

For the year of 2018 Turkish NC has 210 equivalent members



Turkish National Committee has:

1. one member of the Administrative Council of CIGRE,
2. one member in the Management Board of SEERC (Southern European Region of CIGRE)
3. Three members in the Technical Advisory Board of SEERC (Southern European Region of CIGRE)
4. 7 members in various Study Committees
5. 1 distinguished member and many members of working groups, task forces etc.



Basic facts

1. Area: 814.578 km²
2. Population: 80.810.525 (2017)
3. Number of electricity consumers: 41.000.061 (2016)
4. 1 TSO
5. 21 DSOs
6. Peak load: 48 GW (2017)
7. Average interruption of electricity: SAIDI (2016): 181,61 min., 4,98 failure index



Solar Energy



1. Turkey's 1.79 GW new capacity in 2017 represented a massive 213% market growth in the space of year, and saw the nation supplant Germany as Europe's most dynamic solar market last year.
2. There was a confusion recently about Turkey's installations in 2017, with many in the market arguing that Turkey added 1.17 GW of PV capacity in December alone.

Storage Technologies on Distribution Companies

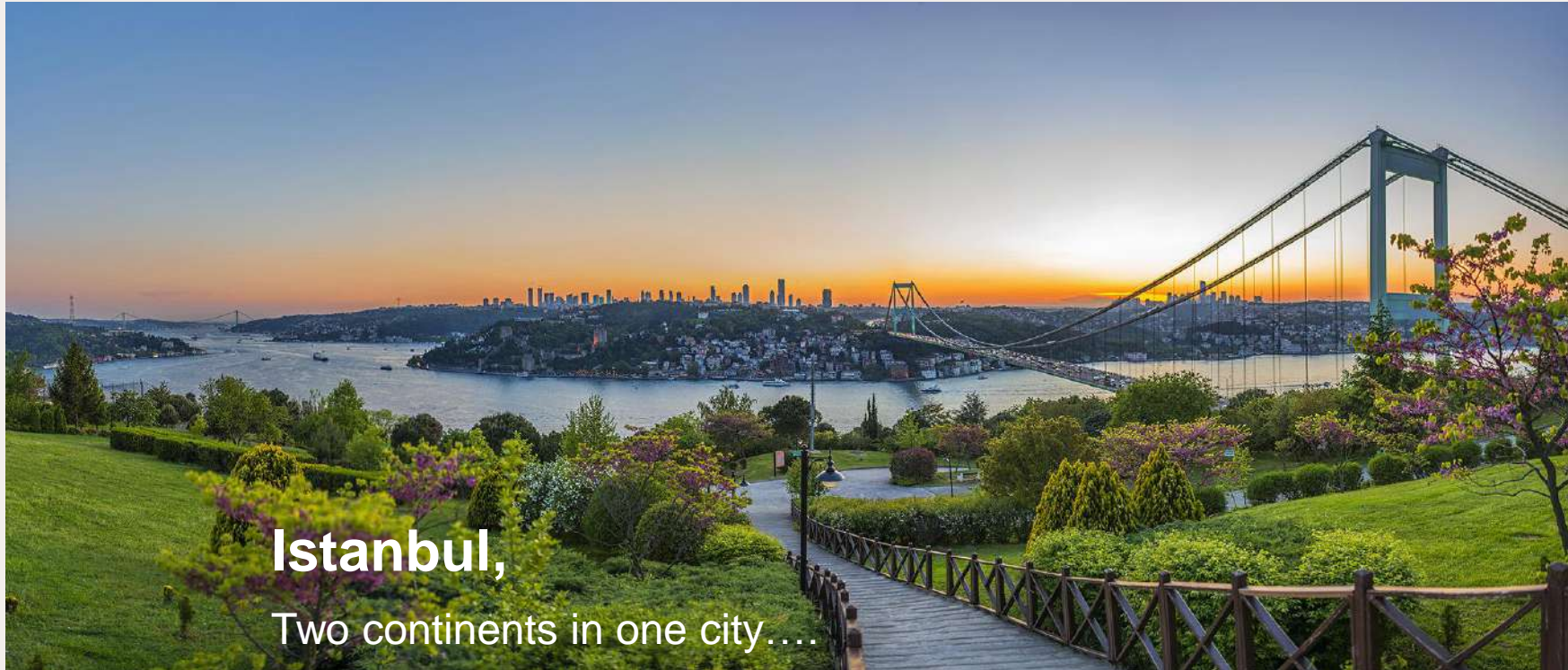
1. 21 Distribution Companies focus also on some important issues, such as electrical vehicle and distributed generation as well as storage.
2. 20 million registered vehicles are basic indication of the potential of electrical vehicle in future.
3. With the increasing number of electrical vehicles, the number of charging stations in Turkey are increasing day by day.



- Enjoy famous Turkish hospitality
- Visit pictureque places other Turkey's cities
- Try Turkish Raki, Kebab and Baklava



Thank you for your attention...



Let's meet the place where continents meet !!!

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

CIGRE
International Symposium
Chengdu
20-25 September 2019



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

- **Expected Time:** September 20th -25th , 2019
- **Location:** Chengdu, Sichuan Province, China
- **Venue:** Chengdu *Wangjiang* Hotel



Chengdu Wangjiang Hotel is a five-star hotel in the urban area of the city. With over 40 years' history, the hotel is tranquil and beautiful. It is immersed in greenness.

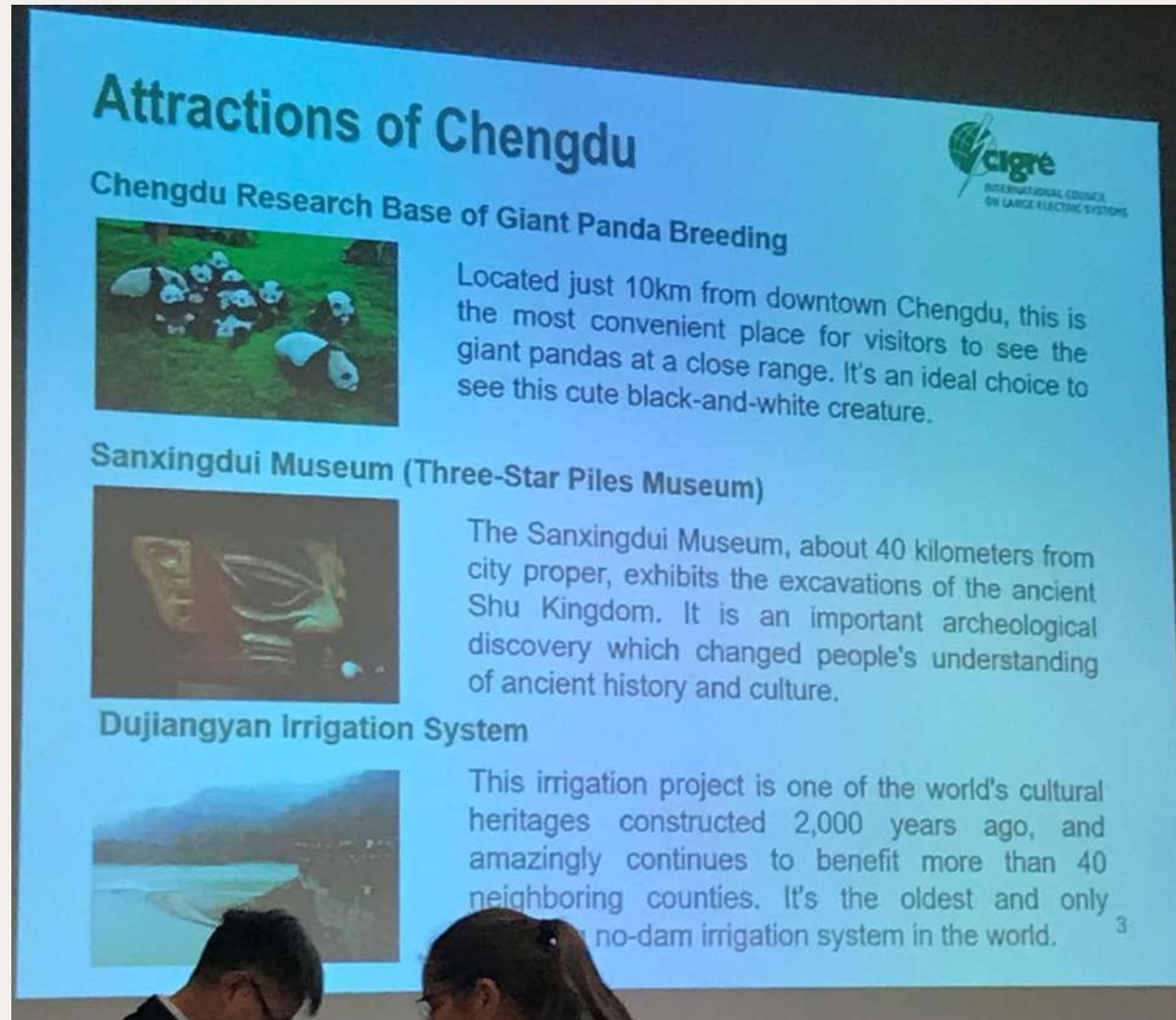
Accommodation: The hotel possesses over 450 rooms. In any one of the rooms, guests can appreciate flowers and view the river.



Meeting Space: There is one 612 sqm conference hall, with the capability of holding around 500 guests. Altogether, there are 18 meeting rooms with varied size.


Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

CIGRE
International Symposium
Chengdu
20-25 September 2019



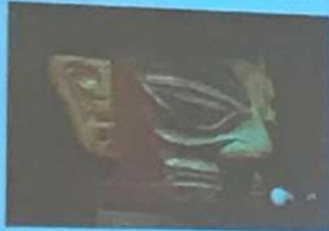
Attractions of Chengdu

Chengdu Research Base of Giant Panda Breeding




Located just 10km from downtown Chengdu, this is the most convenient place for visitors to see the giant pandas at a close range. It's an ideal choice to see this cute black-and-white creature.

Sanxingdui Museum (Three-Star Piles Museum)



The Sanxingdui Museum, about 40 kilometers from city proper, exhibits the excavations of the ancient Shu Kingdom. It is an important archeological discovery which changed people's understanding of ancient history and culture.

Dujiangyan Irrigation System



This irrigation project is one of the world's cultural heritages constructed 2,000 years ago, and amazingly continues to benefit more than 40 neighboring counties. It's the oldest and only no-dam irrigation system in the world.

3

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

CIGRE
International Symposium
Chengdu
20-25 September 2019

Preliminary Program



- Symposium with conference, workshops (tutorial), poster session and exhibition
- SC Annual Meetings (B3 has confirmed)
- WG meetings
- Technical Visit
 - UHV DC Converter Station in Sichuan province
 - Sichuan Provincial Dispatching and Control Center

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

CIGRE
International Symposium
Kyoto & Osaka
10-16 Oct. 2021



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Date : 10/Oct. – 16/Oct. ,2021

Location : Kyoto, Japan

- ✓ Located in the central area of Japan
- ✓ Historic city, ancient capital of Japan
- ✓ Close to Osaka and Nara, major destination for tourists



Venue : Kyoto International Conference Center

- ✓ At a convenient location about 15 minutes from the city center.
- ✓ It forms a dedicated conference complex, containing the Main Hall, Event Hall, Annex Hall, and Japanese garden.
- ✓ Over 70 meeting rooms all unite to become a space for human interaction.
- ✓ The Third Conference of the Parties to the United Nations Framework Convention on Climate Change (COP3)



*The Kyoto Protocol was adopted at COP3 in 1997

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Theme: "Active Distribution Network Planning, Operation and Control"

- ✓ Focusing on Distribution Network
- ✓ First time for CIGRE to hold Distribution focusing Symposium

Subject (tentative)

- ✓ UNCERTAINTY and TECHNOLOGIES
- ✓ TSO/DSO ROLES and RELATIONSHIP
- ✓ ADVANCED TECHNOLOGIES and ASSET MANAGEMENT
- ✓ METROPOLITAN AREA and RURAL/DEPOPULATING AREA
- ✓ HUMAN TRAINING and EDUCATION

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Tentative Subject #3

✓ ADVANCED TECHNOLOGIES and ASSET MANAGEMENT

What are the latest trend and directions of the advanced utilization of information and data, the technologies to collect and utilize such information and data like IoT, AI and big data analysis? Specifically what technologies can be applied and utilized for asset management?

Tentative Subject #4

✓ METROPOLITAN AREA and RURAL/DEPOPULATING AREA

What are the trend and directions of technologies required for either the metropolitan area with the strong requirement of higher reliability or rural and/or depopulating area? Are technologies completely different for drastically different condition? What are the actual use cases?

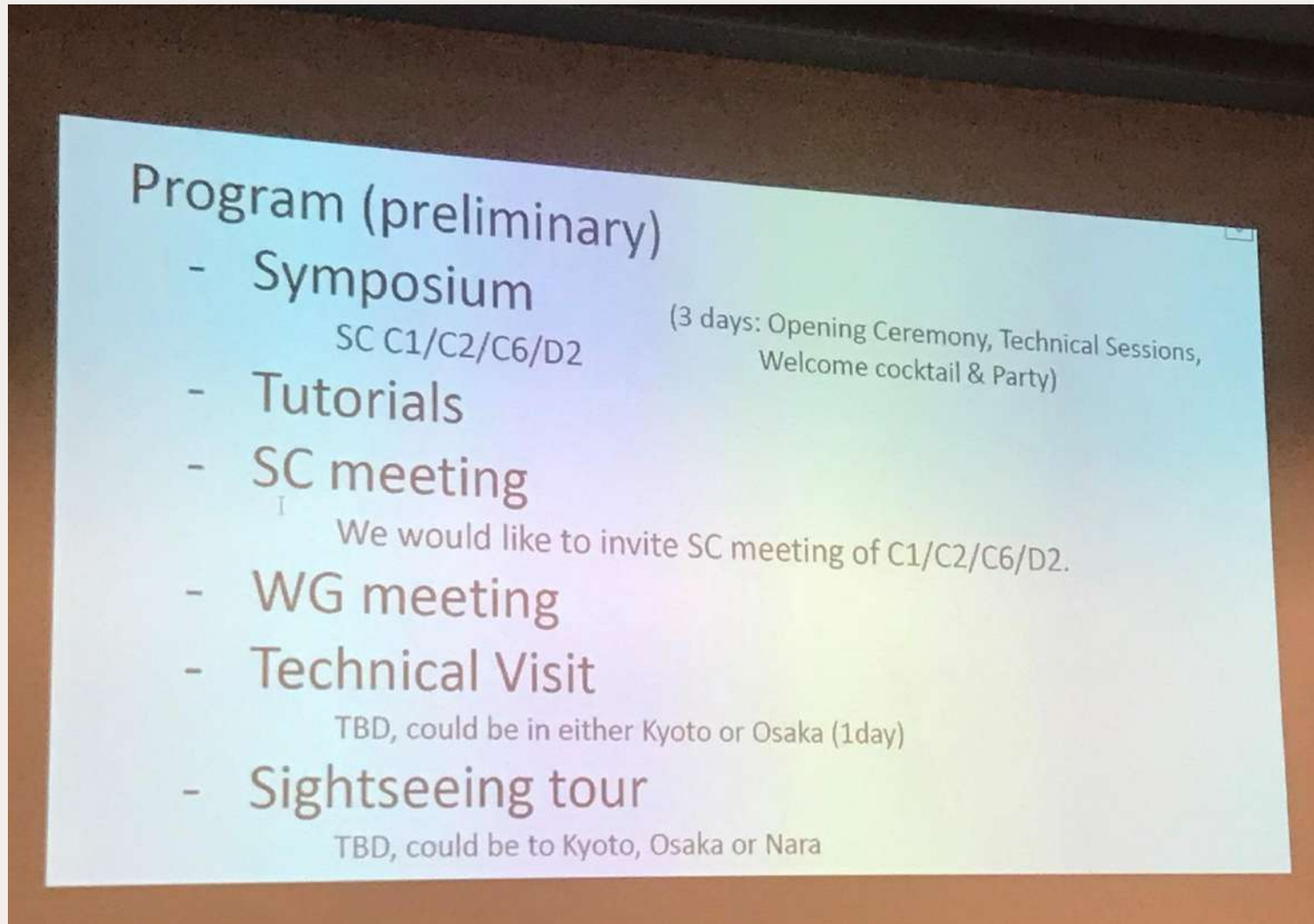
Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Tentative Subject #5

✓ HUMAN TRAINING and EDUCATION

What are technologies and concepts to be taken into consideration for human training and education under the circumstance that technologies are rapidly progressing, from the view point of the infrastructure and energy industry?

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Program (preliminary)

- **Symposium**
SC C1/C2/C6/D2 (3 days: Opening Ceremony, Technical Sessions, Welcome cocktail & Party)
- **Tutorials**
- **SC meeting**
I We would like to invite SC meeting of C1/C2/C6/D2.
- **WG meeting**
- **Technical Visit**
TBD, could be in either Kyoto or Osaka (1day)
- **Sightseeing tour**
TBD, could be to Kyoto, Osaka or Nara

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Participating Study Committee and Key words of interest

- SC C1

Planning methods for uncertain generation and batteries, Investment Criteria
Best practice for Asset Management
Reliable supply system by TSO/DSO collaboration for metropolitan area

- SC C2

New Control Center Application (Dynamic Rating, RES forecasting, etc.),
Training Environment, Congestion Management, Ancillary Service,
Information Exchange between TSO and DSO, Coordinated Restoration Reliability

- SC C6

Improving DER hosting capacity of distribution network
Values of DER including BESS to DSO/TSO
Advanced technologies (ICT, IoT, data analytics, etc.)

- SC D2

Advanced IoT or wireless Networks supporting Operation of Power Grids, Security Measures on Multiple Stakeholders(TSO, DSO, etc.), Applications using Big Data and AI, Network Optimization for Supply and Demand Control

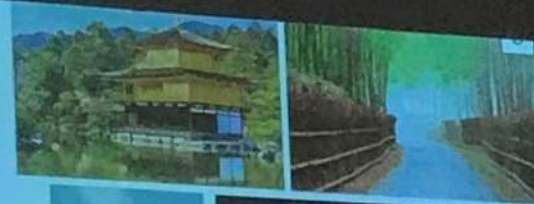
SC C6 is going to be a leading study committee. Organizational Committee is to be established.

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

Attractions

- Kyoto

Kyoto is one of the most famous city and tourist destination of Japan. It is an ancient capital of Japan with many temples and shrines. You can enjoy Japanese traditional and historical atmosphere.



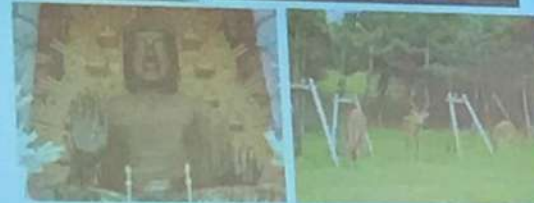
- Osaka

Osaka is the 2nd largest metropolitan area of Japan, which has both extremes of historical site and modern entertainment. Enjoy them according to your preference. 1-hour taking train will guide you to Osaka.



- Nara

Nara is also an ancient capital of Japan, older than Kyoto. Daibutsu, Great Buddha is one of the world's largest bronze statues of Buddha. You can enjoy the huge statue and a herd of deer around the city.



- Kobe

Kobe has been an important port city for many centuries. In 1995, Kobe was hit by the Great Earthquake. Today the city is completely rebuilt, and few signs of the terrible event remain.



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)

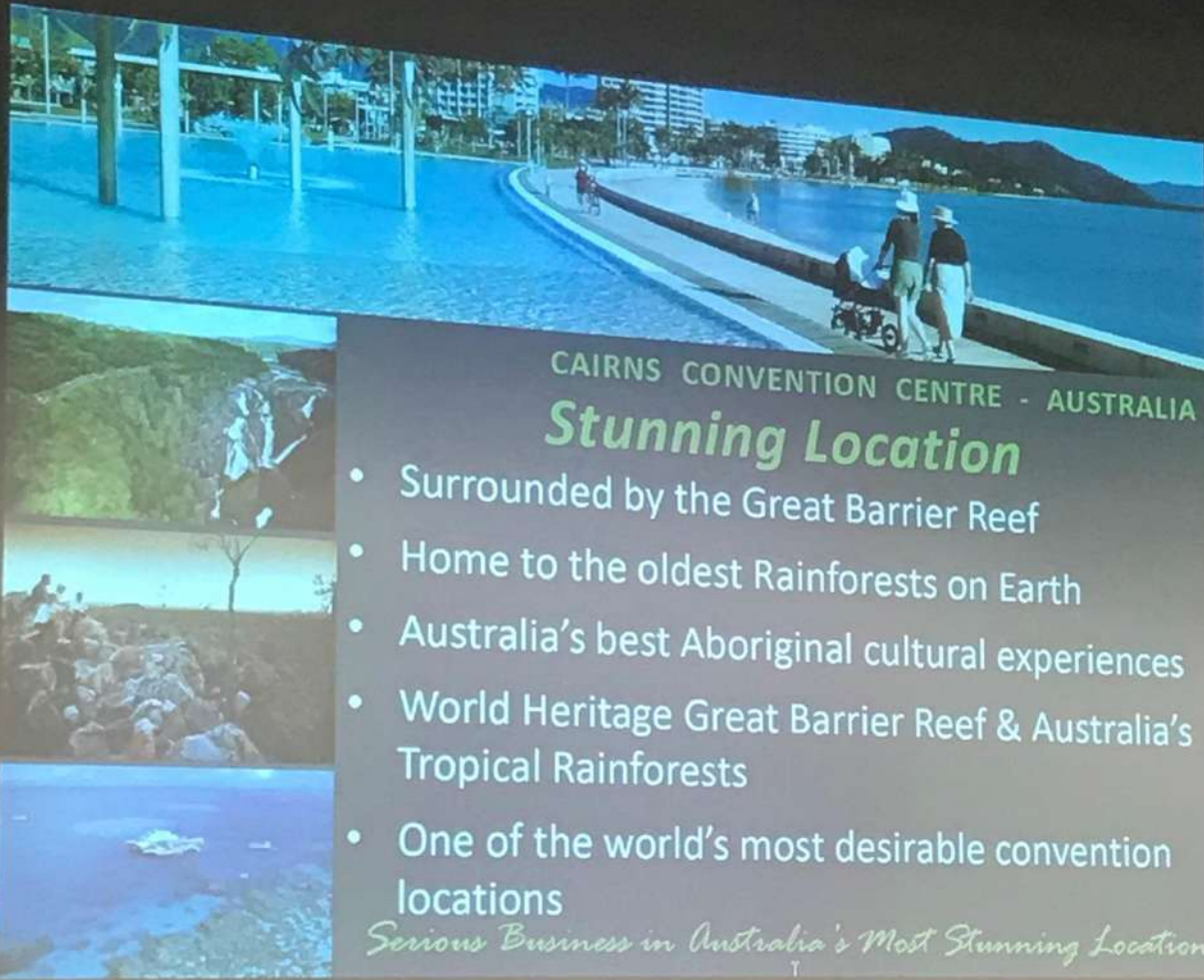
CIGRE
International Symposium
Cairns
4-7 September 2023



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



CAIRNS CONVENTION CENTRE - AUSTRALIA

Stunning Location

- Surrounded by the Great Barrier Reef
- Home to the oldest Rainforests on Earth
- Australia's best Aboriginal cultural experiences
- World Heritage Great Barrier Reef & Australia's Tropical Rainforests
- One of the world's most desirable convention locations

Serious Business in Australia's Most Stunning Location

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



CAIRNS CONVENTION CENTRE - AUSTRALIA

Excellent Accommodation

- International standard 5, 4 & 3 star accommodation
- Wide range of hotels within walking distance of the Cairns Convention Centre
- Over 5,000 hotels rooms in central city of Cairns



Serious Business in Australia's Most Stunning Location

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Presentation-Invitation of Symposium and SC C6 Meeting (30th August)




CAIRNS CONVENTION CENTRE - AUSTRALIA

Plenary Sessions & Meeting Rooms

- 22 meeting rooms
- Ideal meeting space for 300 – 3,000 delegates
- Tiered seating with individual writing tablets
- Flexible and highly adaptable design

Serious Business in Australia's Most Stunning Location

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



CAIRNS CONVENTION CENTRE - AUSTRALIA

Trade Exhibition & Poster Displays

- Wide variety of options within the halls, exhibition foyers or outdoor plaza
- Cairns based exhibition booth build companies
- Ceiling height ideal for banner rigging and promotional displays

Serious Business in Australia's Most Stunning Location

Presentation-Invitation of Symposium and SC C6 Meeting (30th August)



Poster Session C6-Onur AYAN (31st August)

C6-106

Residential Smart Thermostats for Potential Energy Savings and Case Studies on Smart Thermostat Field Tests

Onur AYAN

İstanbul Teknik Üniversitesi



Katılımınız için teşekkür ederim...