29 Novembre 2018- Assemblea CN
CIGRE ITALIA
Relazione Annuale
del Presidente Ing. Massimo Rebolini

ROMA , Auditorium TERNA

AGENDA

Relazione annuale:

Awards,Struttura CIGRE,Organi di Governo, Consigli Regionali
Relazioni con altre Organizzazioni,Pubblicazioni ed EVENTI

Membership situation 2018 e focus su Italia

Governance CN Italia CIGRE (Aggiornamento Regolamento ed.2018)

Bilancio e Quote 2019

Comitati di Studio e interventi da parte assemblea

cigre
For power system expertise

CIGRE MEDAL

- Klaus FRÖHLICH
- Clark GELLINGS

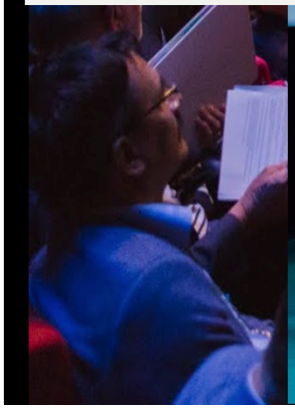
HONORARY MEMBER

- Krešimir (Slovenia)
- Jorgen (Denmark)
- Hiroki ITO (JAPAN)
- Terry KRIEG (AUSTRALIA)
- Yves MAUGAIN (FRANCE)
- Andrew OTT (UNITED STATES)
- Iony PATRIOTA de SIQUEIRA (BRAZIL)

NEW CIGRE FELLOW

- Peter GLAUBITZ (Germany)
- Anton JANSSEN (Netherlands)
- Geza JOOS (Canada)
- Massimo REBOLINI (Italy)
- Ivo (Croatia)

Membro Onorario CIGRE



R.BENATO

P.MAZZA

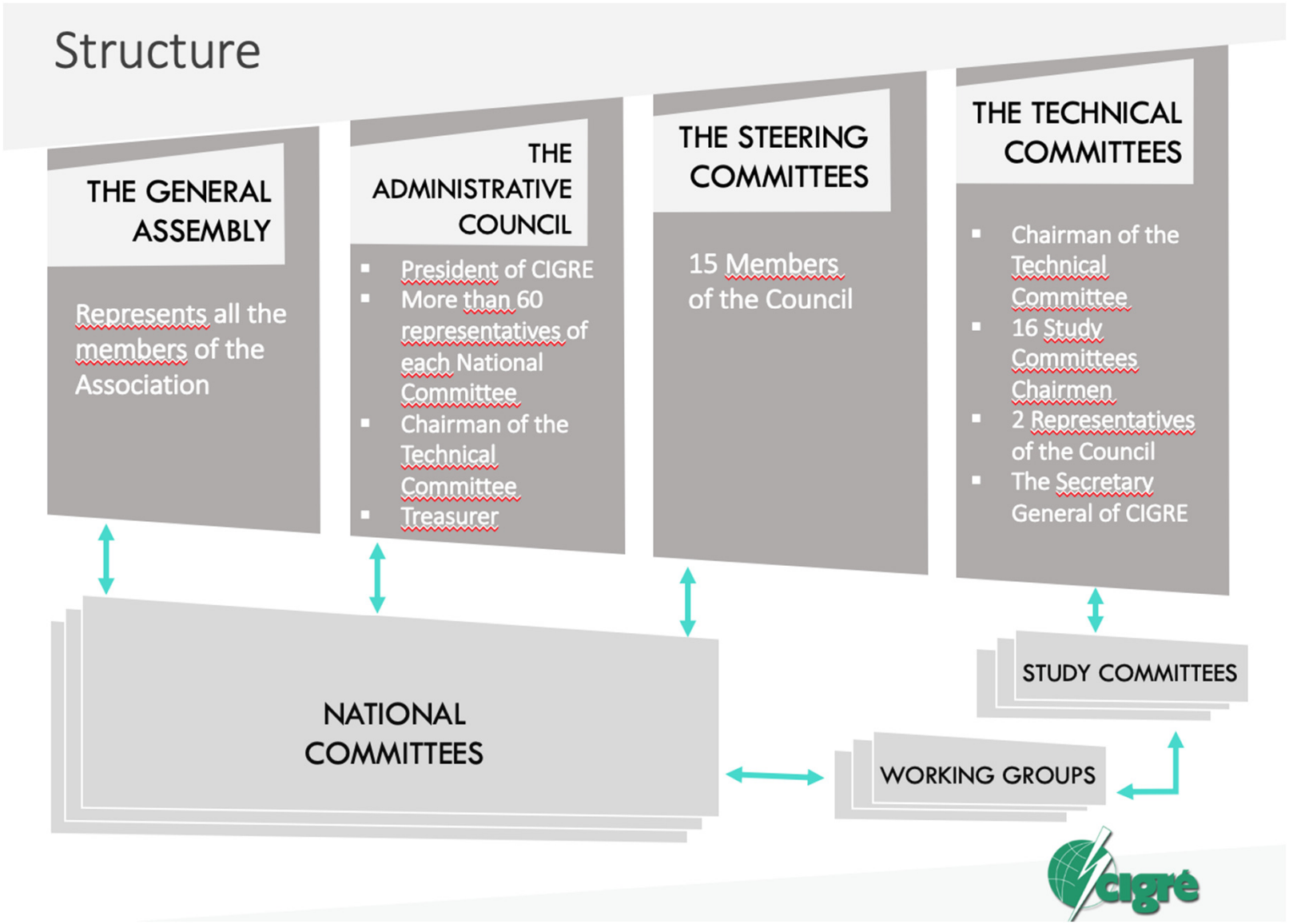
M.PETRINI

cigre
For power system expertise

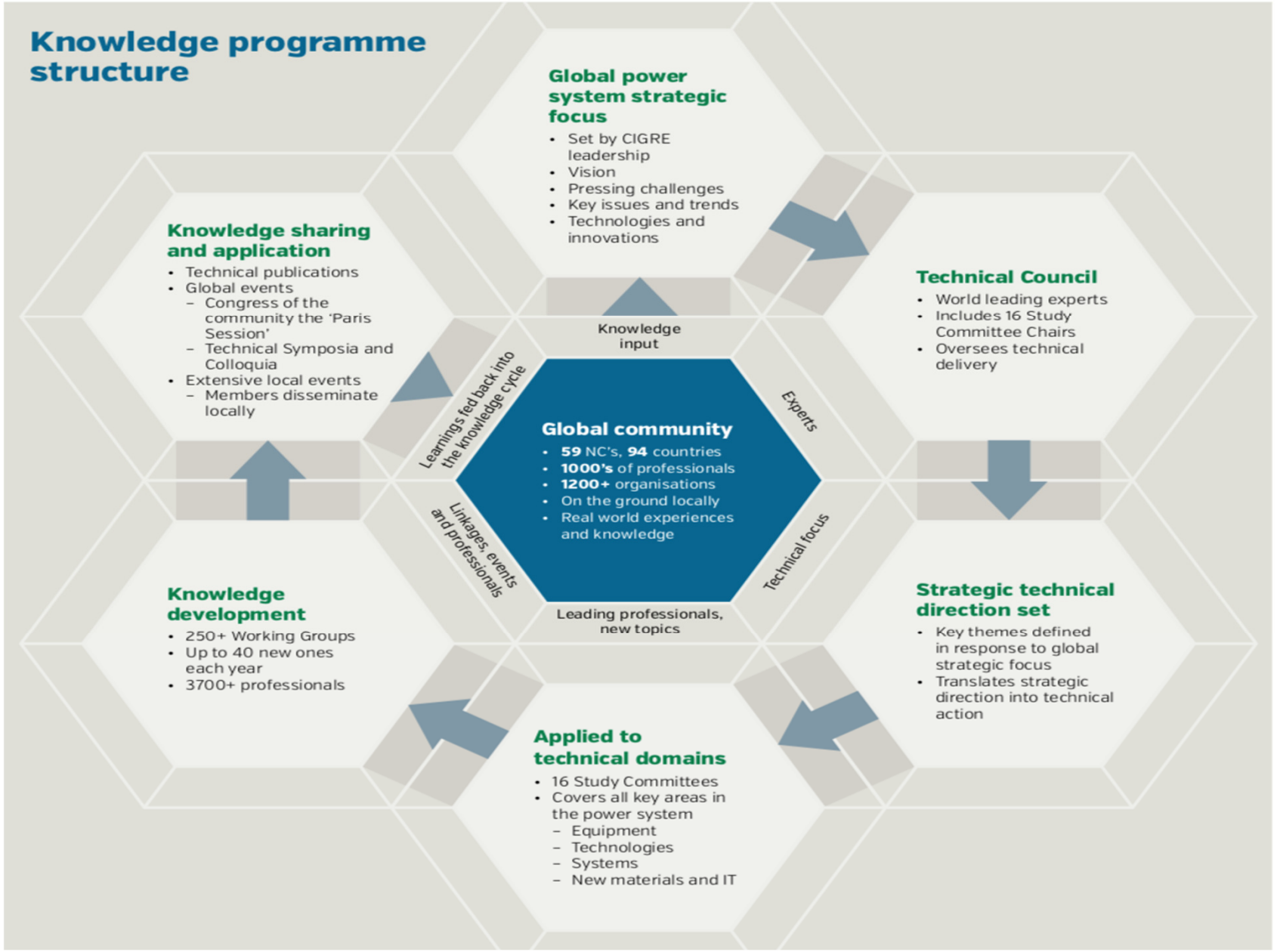
DISTINGUISHED MEMBER

F.PILO

Structure


THE GENERAL ASSEMBLY
Represents all the members of the Association
THE ADMINISTRATIVE COUNCIL
President of CIGRE
More than 60 representatives of each National Committee
Chairman of the Technical Committee
Treasurer
THE STEERING COMMITTEES
15 Members of the Council
THE TECHNICAL COMMITTEES
Chairman of the Technical Committee
16 Study Committees Chairmen
2 Representatives of the Council
The Secretary General of CIGRE
NATIONAL COMMITTEES
STUDY COMMITTEES
WORKING GROUPS

Knowledge programme structure



Piattaforma Informatica KMS come strumento di lavoro integrato

Collaborate
Login into the Knowledge Management System (KMS)

Your gateway to CIGRE technical collaboration. This is where you can gain access to the Members only Global technical collaboration network (previously Confluence). This is where CIGRE members can share information and collaborate on documents or find specific panel, WG and SC information.

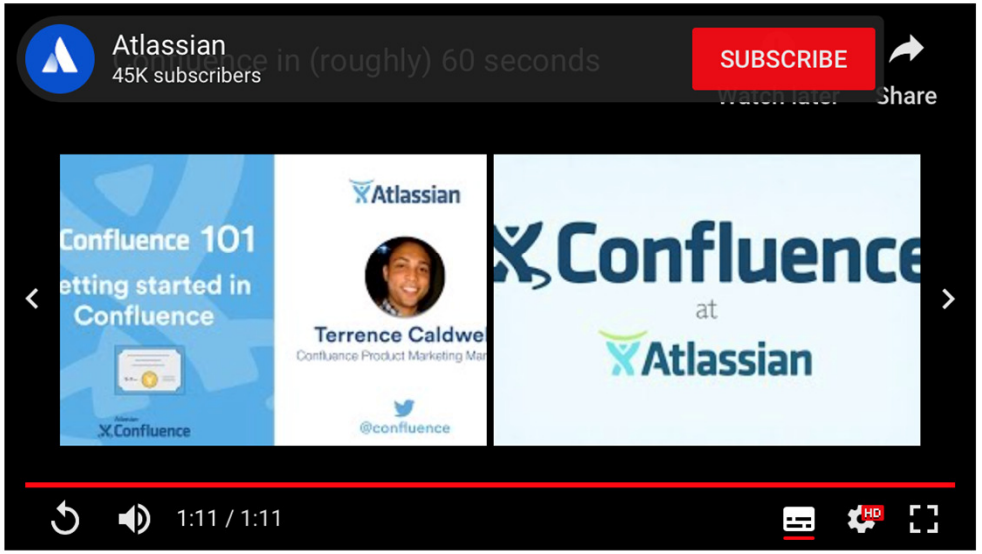
You must have a KMS login and password to be able to access member information on this site.

Welcome — **Introduction to Confluence** — **Upload your photo**

Quick links

CIGRE Session 2018
e-CIGRE
CIGRE KMS
CIGRE National Committees

Understand the basics of Confluence



Continue

Steering Commitee Meeting e EVENTI

The composition of the Steering Committee for the 2016-2018 period is as follows:

Officers: **Robert STEPHEN, Michel AUGONNET, Mark WALDRON**

Members: **Doug ABERLE (Australia), Thani AL KHUSAIBI (GCC), Jorgen S. CHRISTENSEN (Denmark), Clark GELLINGS (United States), Klaus KLEINEKORTE (Germany), Pavel KORSUNOV (Russia), Josias MATOS de ARAUJO (Brazil), Mohamed RASHWAN (Canada), Massimo REBOLINI (Italy), Mingliang XE (China), Akihiko YOKOYAMA (Japan), Matthias ZWICKY (Switzerland).**

CONSEIL INTERNATIONAL DES GRANDS RÉSEAUX ÉLECTRIQUES
INTERNATIONAL COUNCIL ON LARGE ELECTRIC SYSTEMS

21 RUE D'ARTOIS, F-75008 **PARIS**
Tél : + 33 (0)1 53 89 12 90
Fax : + 33 (0)1 53 89 12 99
http://www.cigre.org
rob.stephen@eskom.co.za
PRESIDENT OF CIGRE

Chairman Italian National Committee of Cigre
Attention: Massimo Rebolini

APPRECIATION FOR HOSTING THE STEERING COMMITTEE

Dear Massimo,

As President of Cigre, and on behalf of the Steering Committee I would like to take this opportunity to thank you very much for hosting the meeting in Rome recently.

The organization, venue, and technical visit were excellent and permitted this important meeting to continue flawlessly with no interruptions.

I realize that to organize this event at such short notice is difficult and the pressure of work makes this more so. Your dedication in devoting time to the organization of the event and Cigre is highly appreciated.

Please convey my appreciation to your team who assisted you in this task.

I look forward to seeing you again in the New Year.

Yours sincerely,

Dr. ROB STEPHEN
PRESIDENT CIGRE

8 December 2016

Steering Committee
ha supportato nel 2016-18 il CdA per:

- Documenti strategici
- Progetto Brand & marketing
- Futuro della Rivista Electra
- Relazioni con altre organizzazioni
- Considerazioni sul Rapporto del Comitato tecnico
- Considerazioni sul Rapporto del Central Office
- Preparazione della Sessione Generale di Parigi
  (CEO event)

Sistema Informativo CIGRE

- Website: sito istituzionale entrato in funzione dal 24 Agosto 2018
- E-cigre: libreria tecnica in funzione dal 2 Luglio 2017
- KMS : strumento online collaborativo per tutti i Gruppi CIGRE che include :
- Piattaforme dedicate per:
  - Registrazioni Eventi
  - Gestione articoli
  - Gestione e rinnovo membership e Comitati Studio
  - Sondaggi e indagini
- Social media : LinkedIn e Twitter

Sistema Informativo CIGRE
sviluppi in corso

- Piattaforme dedicate per:
  - Conferenze via Web
  - Webinars
  - Gestione WG (per la fine del 2018)
- Digitalizzazione archivi CIGRE
- Digitalizzazione della Rivista Electra

Piano Strategico di Sviluppo 2018-2028

Strategic themes and goals

Influence and Contribute

1 **Providing key information to executives and engineers for influence and awareness**

Vibrant and Inclusive

2 **Excellent Central Office services and enabling National Committee growth and participation**

Power System of the Future

3 **Understand and influence the development of new technology and practices for all voltages and systems**

People and Skills of the Future

4 **Increase participation and skills for our growing membership and improve the diversity of our membership to enhance our relevance in addressing the electric power system of the future across the globe**

CIGRE current strategic focus

- Future power systems
- Environment and sustainability
- Best use of existing systems
- Unbiased information for all stakeholders

Current pressing challenges focused on

- Renewable energy sources
- Growing environmental requirements
- Limitations to build new transmission infrastructures
- Architecture of networks and systems
- Maintaining the existing power systems
- Transmission of large amounts of power over long distances
- Cyber security
- Intermittency of renewable power generation

Reference Papers

Sustainability – At the Heart of CIGRE's Work

Effects of Increasing Power Electronics based Technology on Power System Stability: Performance and Operations

Management of network losses

Living with electric and magnetic fields (EMF)

Recent development of alternative gases to SF6 for switching applications

The Application of SF6 in Transmission and Distribution Networks

Transition of the Electricity System from conventional generation to a dispersed and/or RES system

The Path towards HVDC Grids

Planning for Disaster

CIGRE WG “Network of the Future” Electricity Supply Systems of the future

Progetto Brand e Comunicazioni

Il futuro della Rivista Electra

Electra digitale

Nuovo Steering Committee 2018-2020

Available seats	Seats for Europe	Seats for America	Seats for Africa and Middle East	Seats for Pacific and Asia
12	6	2	1	3

Rank	EUROPE		AMERICA		AFRICA & MIDDLE EAST		PACIFIC AND ASIA	
	46,36%	6865	18,88%	2796	6,19%	917	28,57%	4231
1	RUSSIA	809	BRAZIL	965	GCC NC	273	CHINA	1068
2	GERMANY	732	UNITED STATES	876	SOUTH AFRICA	176	JAPAN	876
3	UNITED KINGDOM	636	CANADA	409	TURKEY	123	INDIA	682
4	FRANCE	529	ARGENTINA	170	EGYPT	97	AUSTRALIA	589
5	SWITZERLAND	405	CHILE	142	JORDAN	73	KOREA	421
6	SPAIN	349	PARAGUAY	60	IRAN	58	THAILAND	194
7	ITALY	325	COLOMBIA	48	No NC AF	53	MALAYSIA	167
8	SWEDEN	316	Andean NC	47	ISRAEL	42	NEW ZEALAND	144
9	NETHERLANDS	252	MEXICO	44	ALGERIA	23	No NC PA	70
10	NORWAY	242	No NC AM	37			INDONESIA	21

Seats	EUROPE	AMERICA	AFRICA & MIDDLE EAST	PACIFIC AND ASIA
12	5,56 >> 6	2,27 >> 2	0,74 >> 1	3,43 >> 3

- 40 to 199 members - one vote
- 200 to 399 members - two votes
- from 400 members up - three votes

- 13 National Committees have 3 votes
- 7 NCs have 2 votes
- 31 NCs have one vote
- 7 NCs have no voting right

Nuovo Steering Committee

- Russia: Pavel KORSUNOV
- Germany: Frank GOLLETZ
- United Kingdom: Adam MIDDLETON
- France is represented by Michel AUGONNET (Treasurer)
- Switzerland: Matthias ZWICKY
- Spain: Javier IGLESIAS
- Brazil is represented by Marcio SZECHTMAN (TC Chair)
- United States: Michael HEYECK
- South Africa takes the seat of the Africa & Middle East region : Rob STEPHEN (President)
- China: Mingliang XIE
- Japan: Akihiko YOKOYAMA
- India: Indu Shekhar JHA

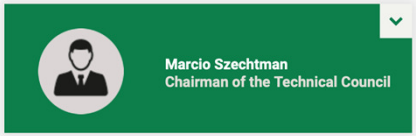
Eletti nel CT

- **Ciprian Diaconu** obtained 62 votes
- **Ulf Moberg** obtained 57 votes
- Pranvera Dobruna Kryeziu obtained 22 votes

- **Mohamed Rashwan** obtained 28 votes
- **Liisa Haarla** obtained 25 votes
- **Trevor Armstrong** obtained 14 votes
- Ciprian Diaconu obtained 13 votes
- Ja-Yoon Koo obtained 13 votes
- Thani Al Khusaibi obtained 12 votes
- Pranvera Dobruna Kryeziu obtained 11 votes
- Alex Levinson obtained 6 votes
- Gilberto Harper Enriquez obtained 3 votes

CONSIGLIO TECNICO CIGRE

CIGRE Technical Council 2018

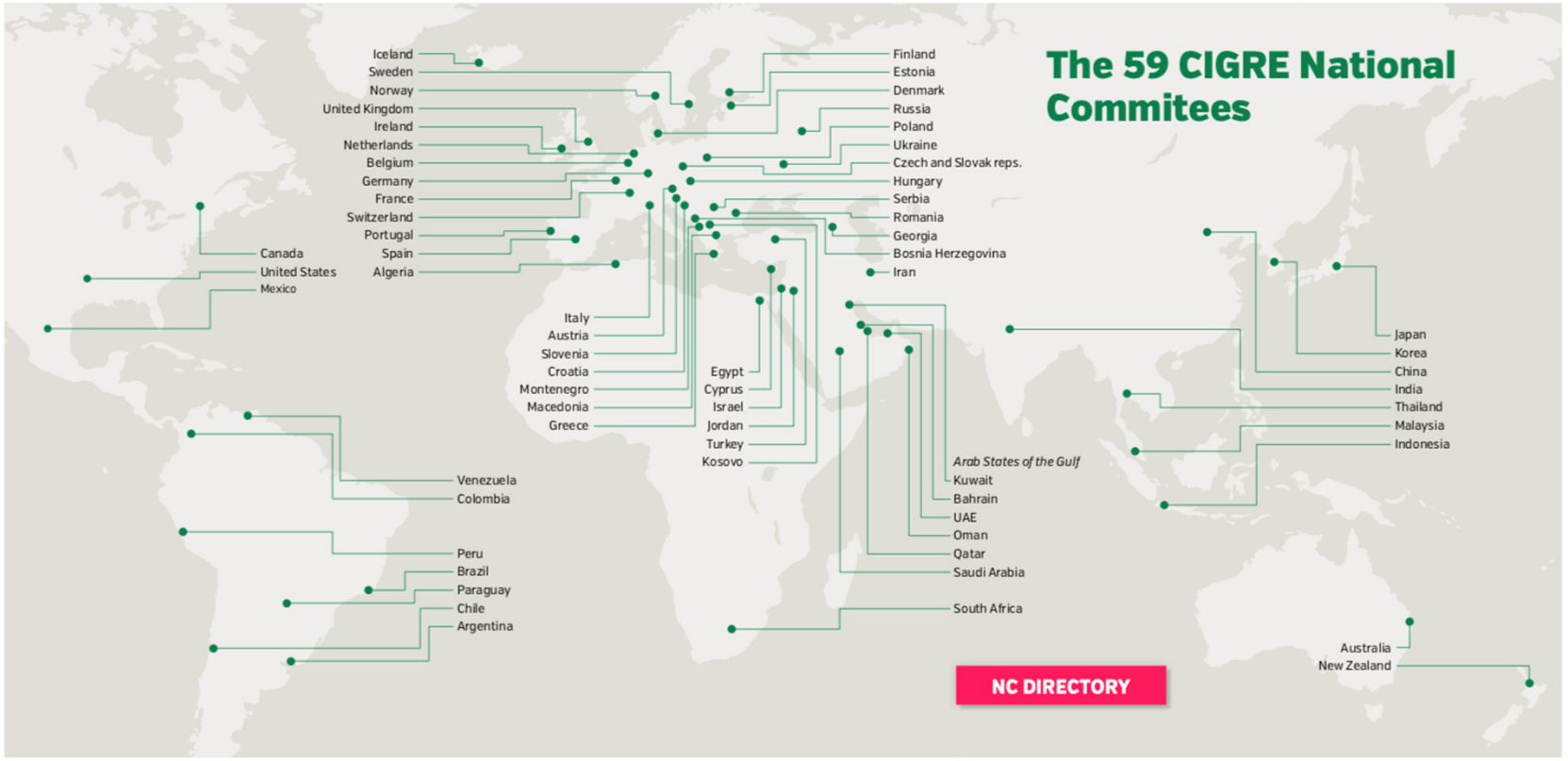


Presidente e due membri eletti dal CdA

Membership

- 7 552 Individual members I (+ 0.28%).
- 673 Young Members (+12.92%).
- **1 822** Students (+ 17.62%).
- 1 087 Companies (+ 2.55%).
- 175 Universities (+ 10.76%).
- Total number of "equivalent" members **14 936** (+ 1.83%)

Membership



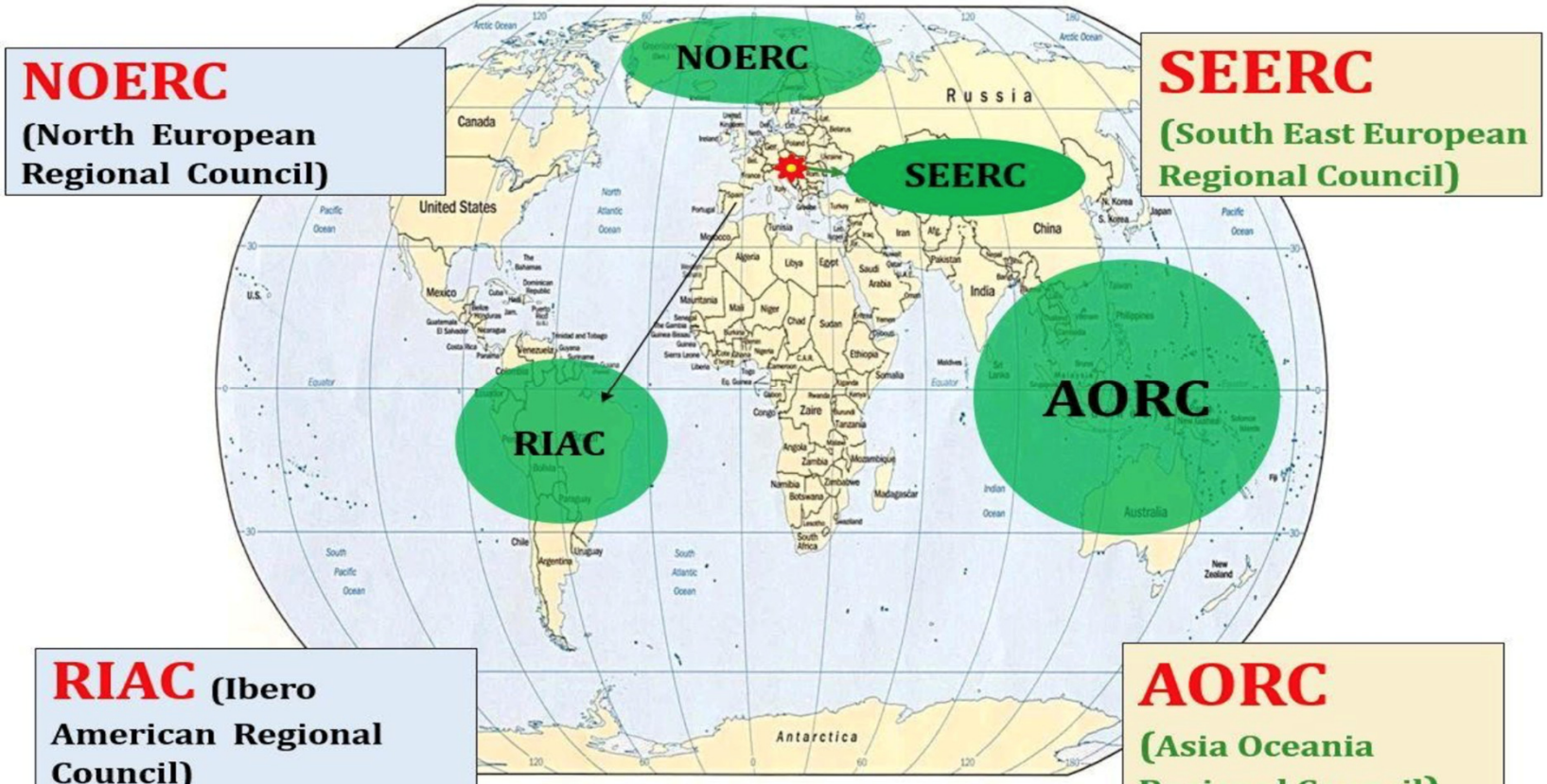
- **2 new NCs have been created:** Colombia and Kosovo.
- **2 NCs in difficulties since 2013 have been suspended:** Libya and Venezuela.

Membership

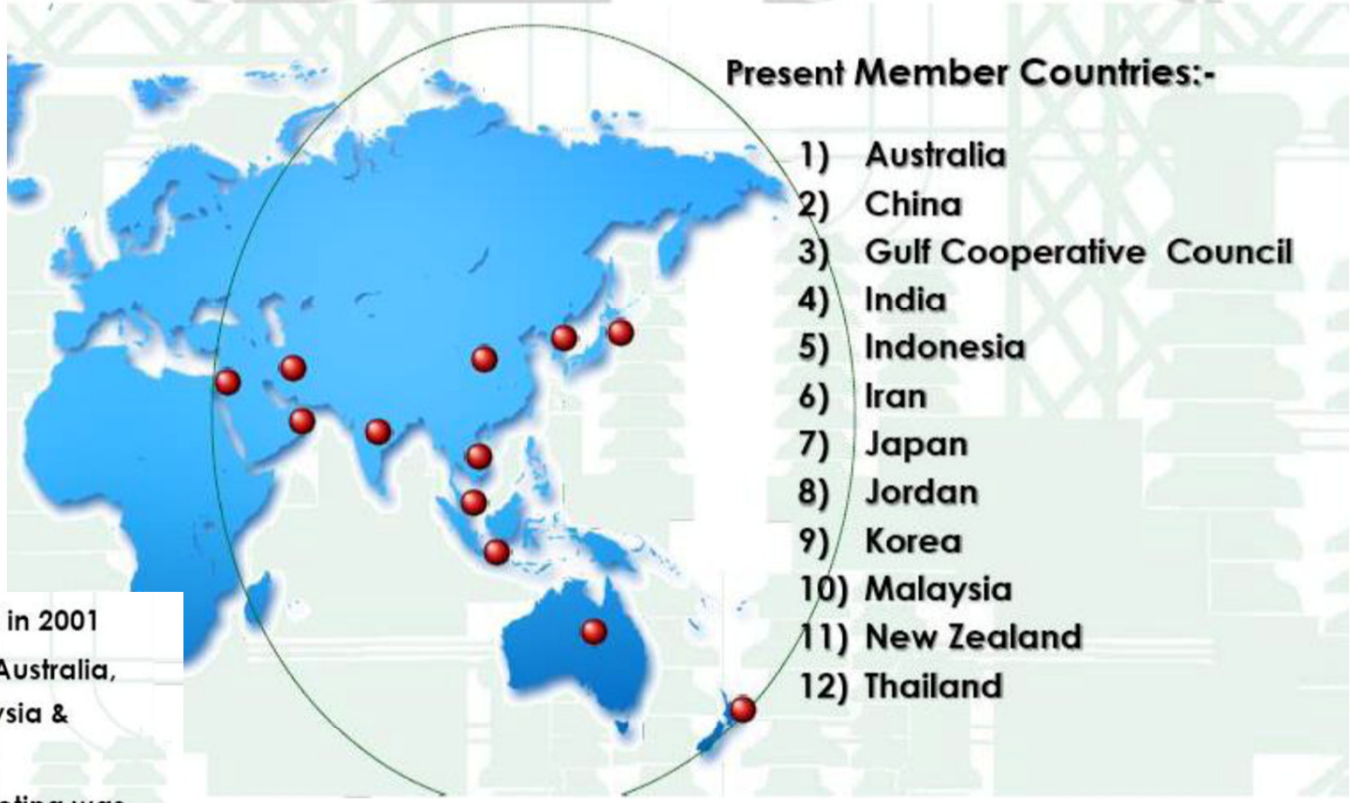
•Rappresentanza NC Italia in CIGRE International bodies

Position in CIGRE International body	Number of representatives	Comments/details
CIGRE Administrative Council	1	M. Rebolini
CIGRE Steering Committe	0	
CIGRE Technical Council	0	M. Marelli
CIGRE Study Committee Chairs	1	M. Marelli
CIGRE Study Committee Secretaries	0	
CIGRE Study Committee members	16	There are at National level also 16 secretary member
CIGRE Working Group members (Regular and additional)	153	113 full members, 40 corresponding
CIGRE Working Group members (Observer)	-	
CIGRE SC Advisory Group members		

CIGRE SEMPRE PIU' ARTICOLATO SU BASI REGIONALI



AORC –CIGRE: The Region & Member



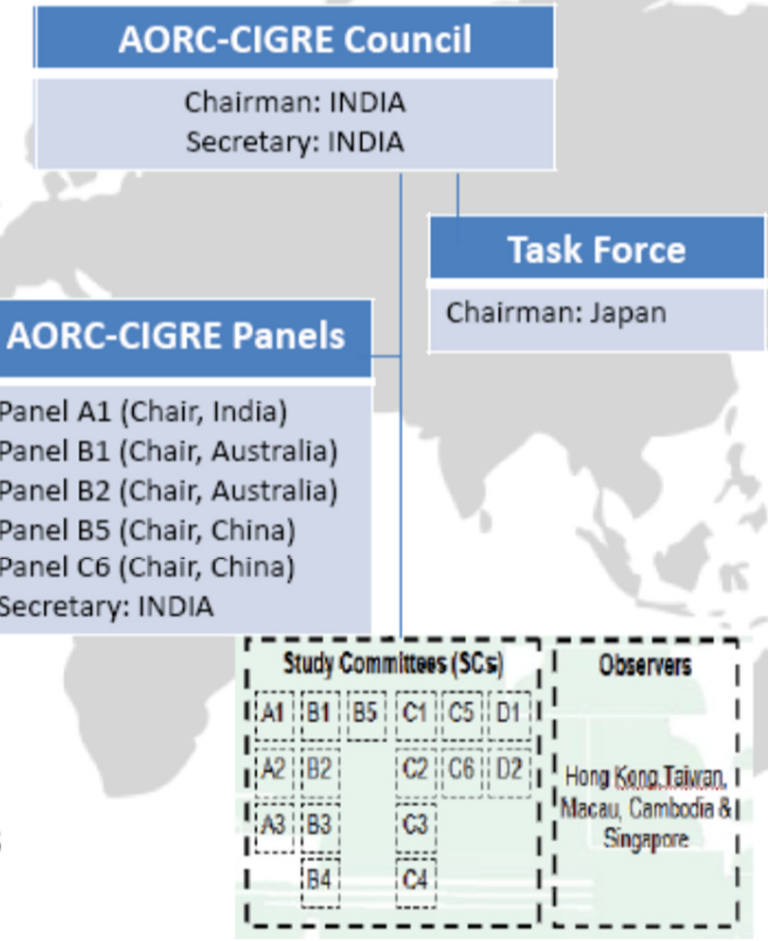
Present Member Countries:-

1) Australia
2) China
3) Gulf Cooperative Council
4) India
5) Indonesia
6) Iran
7) Japan
8) Jordan
9) Korea
10) Malaysia
11) New Zealand
12) Thailand

- Formally established in 2001
- Founding members Australia, Korea, Japan, Malaysia & Thailand
- The 1st Technical Meeting was held in 2001 in Bangkok, Thailand
- Total Regular Members are 12 National Committees (*see previous slide*)
- Observer Members are from Taiwan, Cambodia, Hong Kong & Macau

AORC-CIGRE: Organization

- Leadership of AORC-CIGRE is rotational bi-annually
- Chairman
  - •Dr. Subir Sen, (2016-2018), INDIA
- Secretary: P.P.Wahi
- Technical Meeting is hosted annually in member countries
- AORC-CIGRE Council Meeting :
  - •Discuss administrative matters
  - •Coordinates regional activities
  - •Promote new membership & NC
  - •Monitor progress of panel groups
- Website: http://aorc-cigre.org



RIAC

- Member countries: 11 (9 NCs)
- Membership extension in 3 other countries
- Current leadership: Argentina (Jorge NIZOVOY)
- Created in 2001
- Creation of the Colombian NC in 2017
- Upcoming creation of Peruvian NC
- Events:
  - First Ibero-American Seminar of CIGRE -SIAC 1, in Medellín, Colombia, May 28th and 29th, 2018
  - "XVIII ERIAC" -Eighteenth Iberian-American Regional Meeting of CIGRE, Foz do Iguaçu, Brazil, May 19th to May 23rd, 2019
- Website: http://www.xviiieriac.com.br

NRCC – The Nordic Regional Council of CIGRE

Established 2001

Members:

- Denmark
- Finland
- Norway
- Sweden
- Iceland
- Estonia
- Latvia
- Lithuania

NRCC Goals

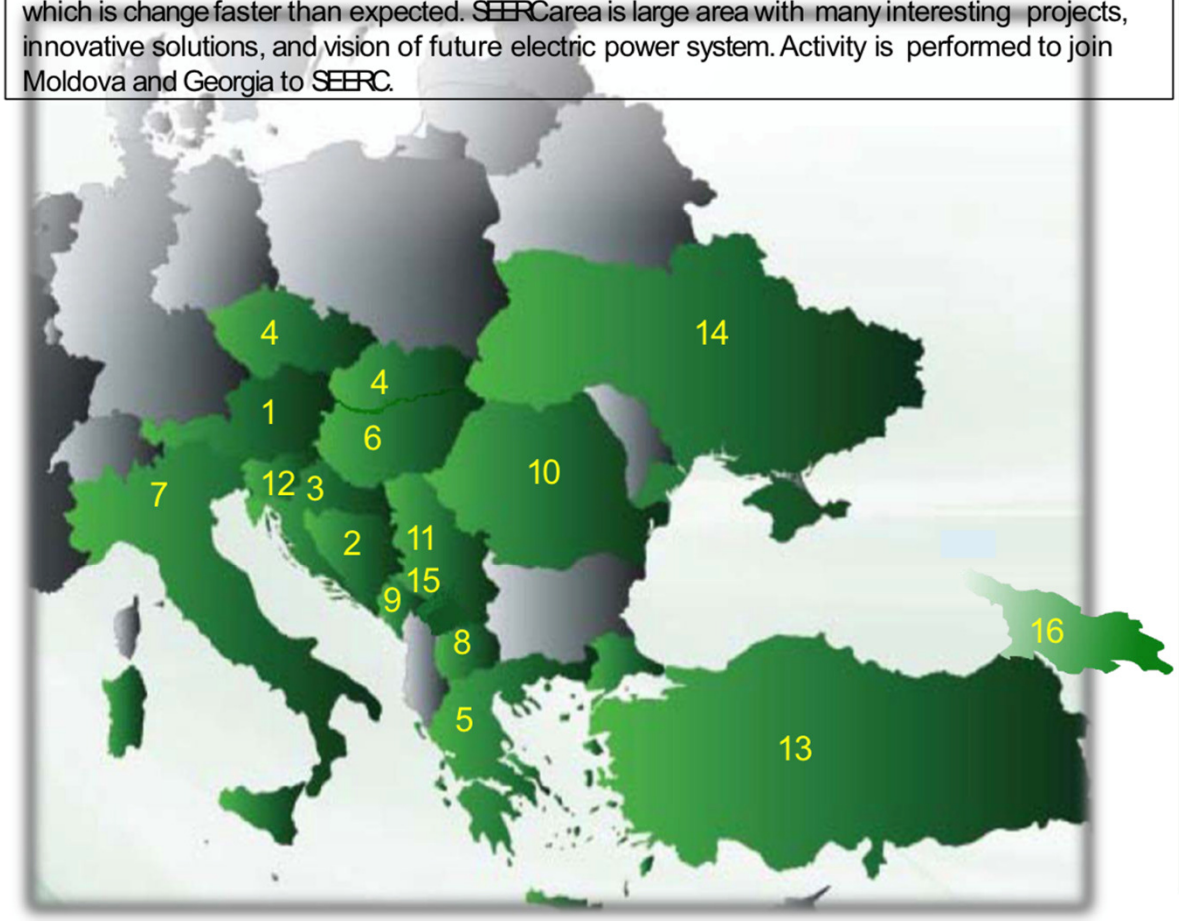
- Get added value to the National Committees
- Build up CIGRE activities in a larger area
- Stimulate activities at the regional level (Symposia, Colloquia, etc.),
- Encourage and nurture new national committees in the Region
- Share best practice in promoting CIGRE nationally

- Upcoming Events:
  - CIGRE symposium in Aalborg, Denmark, in June 3rd-6th 2019
    "Going Offshore – Challenges of the Future Power Grids"
  - SC B5 meeting and Colloquium in Tromsø, Norway, June 24th -28th 2019
  - SC D2 Colloquium in Helsinki, Finland June 11th -14th 2019

- Historical events:
  - CIGRE symposium in Lund, Sweden, in May 2015

SEERC - South East European Region of CIGRE

Global energy system and particularly electricity sector is in fundamentally changing process, which is change faster than expected. SEERC area is large area with many interesting projects, innovative solutions, and vision of future electric power system. Activity is performed to join Moldova and Georgia to SEERC.



Members:

1. Austria;
2. Bosnia and Herzegovina;
3. Croatia;
4. Czech Republic & Slovakia;
5. Greece;
6. Hungary;
7. Italy;
8. Macedonia;
9. Montenegro;
10. Romania;
11. Serbia;
12. Slovenia;
13. Turkey;
14. Ukraine
15. Kosovo
16. Georgia

HISTORY OF THE SEERC EVENTS – CIGRE EUROPEAN REGION

SEERC Management Board Meetings: (MB) – Official Meetings

1. First MB, 27 January 2014 in **Rome, Italy,**
2. Second MB, 6 November 2014 in **Belgrade, Serbia,**
3. Third MB, 23-24 June 2015 in **Kiev, Ukraine,**
4. Fourth MB, 6 June 2016 in **Portoroz, Slovenia,**
5. Fifth MB, 18-19 October 2017 in **Istanbul, Turkey.**

SEERC Technical Advisory Committee Meetings (TAC):

1. First TAC, 24-25 March 2015 in **Vienna**, **Austria,**
2. Second TAC, 14-15 January 2016 in **Athens**, **Greece,**
3. Third TAC, 15-16 March 2017 in **Prague, Czech Republic,**
4. Fourth TAC, 25-26 January 2018 in **Rome, Italy.**

SEERC CONFERENCE

1. **First Conference, 7-8 June 2016, Portoroz, Slovenia**
2. **Second Conference, 12-13 June 2018, Kiev, Ukraine**

SEERC WORKSHOPS

1. **First Workshop, 6 November 2014, Belgrade, Serbia**
   ("Dynamic Line Monitoring Systems OHL – Global Overview")
2. **Second Workshop, 26 January, 2018, Rome, Italy**
   ("Resilience of Grid: Events & Solutions")

SEERC Regional Working Groups Meetings (RWGs):

1. RWG2 / RWG3, 8-9 October, 2015 in Marina di Ragusa, Sicily, Italy
2. RWG1 / RWG4, 23-24 September, 2016 in Zagreb, Croatia

SEERC Unofficial Meetings (UM):

- Kranjska Gora, Slovenia, 26 May 2009
- Milocer, Montenegro, 13 May 2013: (Establishing Conference, MoU)
- Paris, France, 28 August 2014, Palace de Congress organized by Slovenian NC CIGRE.
- Paris, France, August 2016, Embassy of Ukraine organized by Ukrainian NC CIGRE.

South East European Region of CIGRÉ

Informal TAC MEETING

8th of November 2018

12:00 to 18:00

APG Grid Control Center
Am Johannesberg 9, 1100 Vienna,
Austria

Agenda

SEERC meetings follow the **Antitrust Guidelines for CIGRE Meetings** attached at the end of this document.

No	Time	Items	Responsible	Status
1	12:00 – 12:15	Introduction	KR	Information
2	12:15 – 12:45	TAC operation of meetings	WH	Discussion
4	12:45 – 13:15	SEERC Questionnaire	MP	Decision
3	13:15 – 14:15	Topics of the region / SEERC-NC members	all	Information
5	14:15 – 14:30	Time for discussion	all	Discussion
6	14:30 – 15:00	ToR of RWG03	MP	Discussion, Decision
7	15:00 – 15:30	Coffee Break and short visit to Grid Control Center	All	Break
8	15:30 – 16:30	Topics for SEERC-conference 2020	WH/All	Discussion
9	16:30 – 16:45	Conference Website	KR	Information
10	16:45 – 17:15	Time table to conference	WH	Decision
11	17:15 – 17:45	Next TAC meetings	WH	Decision

KR: Klemens Reich; WH: Wolfgang Hribernik; MP: Massimo Pompili

Informal TAC Meeting
8 Novembre 2018, Vienna
Per CN Italiano
Prof. Massimo Pompili
(UNIVERSITA LA SAPIENZA DI ROMA)

- 7th MB Meeting SEERC , Paris, FRANCE, 30 of August 2018
- Publication of 2nd SEERC Conference report –November 2018
- 6th TAC Meeting in March-April 2019 in Croatia
- 3rd SEERC Conference, 17-18 of June 2020, Vienna, Austria

Relazioni con altre organizzazioni

Relazioni continue

Organization	Status
IEC	MoU signed on 6th July 2015
IEEE-PES	MoU signed on 9th April 2015
CIRED	MoU signed on 30th November 2011
ENTSO-E	Regular contacts
EDSO	Contacts
APUA	Protocols signed per event
JICABLE	Protocols signed per event
WEC	CIGRE invited to the annual meeting

ULTIMO IN ORDINE DI TEMPO MoU TRA CIGRE E GO15

CIGRE and GO15 signed a historic Memorandum of Understanding (MoU)

25 October 2018

Potenziale interesse

Organisation	Status
World Bank	Cooperation “Affordable Overhead Lines for Sub-Saharan countries”
GO15	**Memorandum of Understanding** MoU
GEIDCO	Meetings in Paris, invitation in Beijing
AUE	Arab Union of Electricity (demand of MoU in February 2017)
AESIEAP	Association of the Electricity Supply Industry of East Asia and the Western Pacific
IEA	International Energy Agency (Session 2008/C3)
PSCC	Power Systems Computation Conference
Eurelectric	Union of the Electricity Industry (Europe)

cigre
For power system expertise
C6
Active distribution systems and distributed energy resources
C2
Power system and control
A2
Power transformers and reactors
B1
Insulated cables
CIGRE Green Books
International Council on Large Electric Systems (CIGRE)
Study Committee B2: Overhea
Overhead Lines
SpringerReference
2018 SESSION
Papers and proceedings
ELECTRA
CIGRE SCIENCE &ENGINEERING
CSE 010
Innovation in the Power Systems industry
D1
Materials and emerging test techniques
Guidelines for the use of statistics and statistical tools on life data
Reference: 712
Pubblicazioni

Pubblicazioni

- **2018 Pubblicazioni, downloads e vendite**
  - Electra: 15000 copie stampate
  - Technical Brochures (TB):
    - 41 in 2017
    - 22 in 2018 (nei primi 6 mesi)
  - CIGRE Science & Engineering (CSE)
    - 40 articoli nel 2017
    - 25 articoli nel 2018 (6 mesi)
  - Green Books (GB)
    - 2 nuovi nel 2017
    - 2 nuovi nel 2018 (6 mesi)

Pubblicazioni

- **Contratto con SPRINGER (stampa e co-editore dei Green Books)**

- **Indice di citazioni con SCOPUS**
  - Un lungo processo gestito dal Technical Council e dallo staff editoriale della rivista CSE

Eventi CIGRE 2018 in cui è stato Coinvolto il CN Italiano

Short COLLOQUIUM SEERC ON RESILIENT GRIDS – Rome Gennaio 2018

STEERING COMMITTEE : 2-3 Maggio 2018 Londra

SECOND EUROPEAN CIGRE REGIONAL CONFERENCE 2018
12-13 June 2018
Kyiv – Ukraine
Organization: CIGRE Ukraine

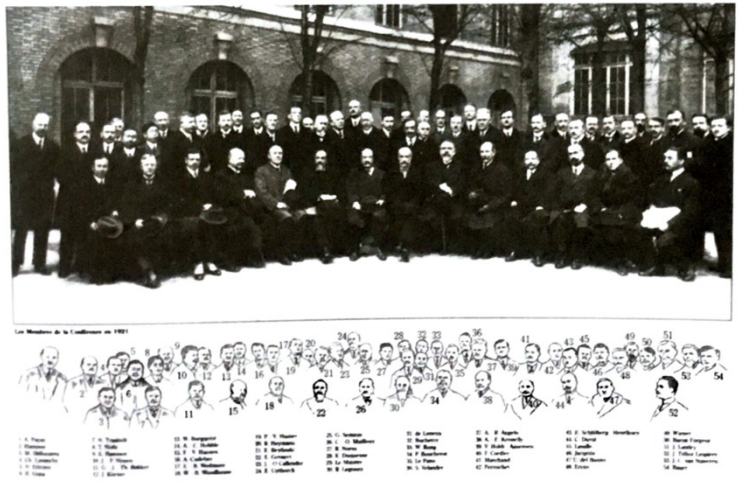
Eventi futuri

- Symposia planning
  - Aalborg (Denmark) from 3rd to 7th June 2019,
  - Chengdu (China) from 20th to 25th September 2019,
  - Ljubljana (Slovenia) in June 2021,
  - Tokyo (Japan) on 10-16 October 2021.
  - Cairns (Australia) on 4-7 September 2023
- Other CIGRE events
  - Support to the preparation of the joint CIGRE-IEC conference on UHV AC & DC in Hakodate on 23-26 April 2019

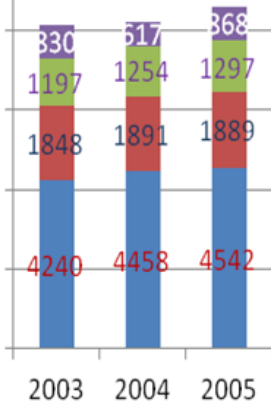
Nel 2021 cade il Centenario del CIGRE perché non organizzare un EVENTO Anniversario in Italia ?

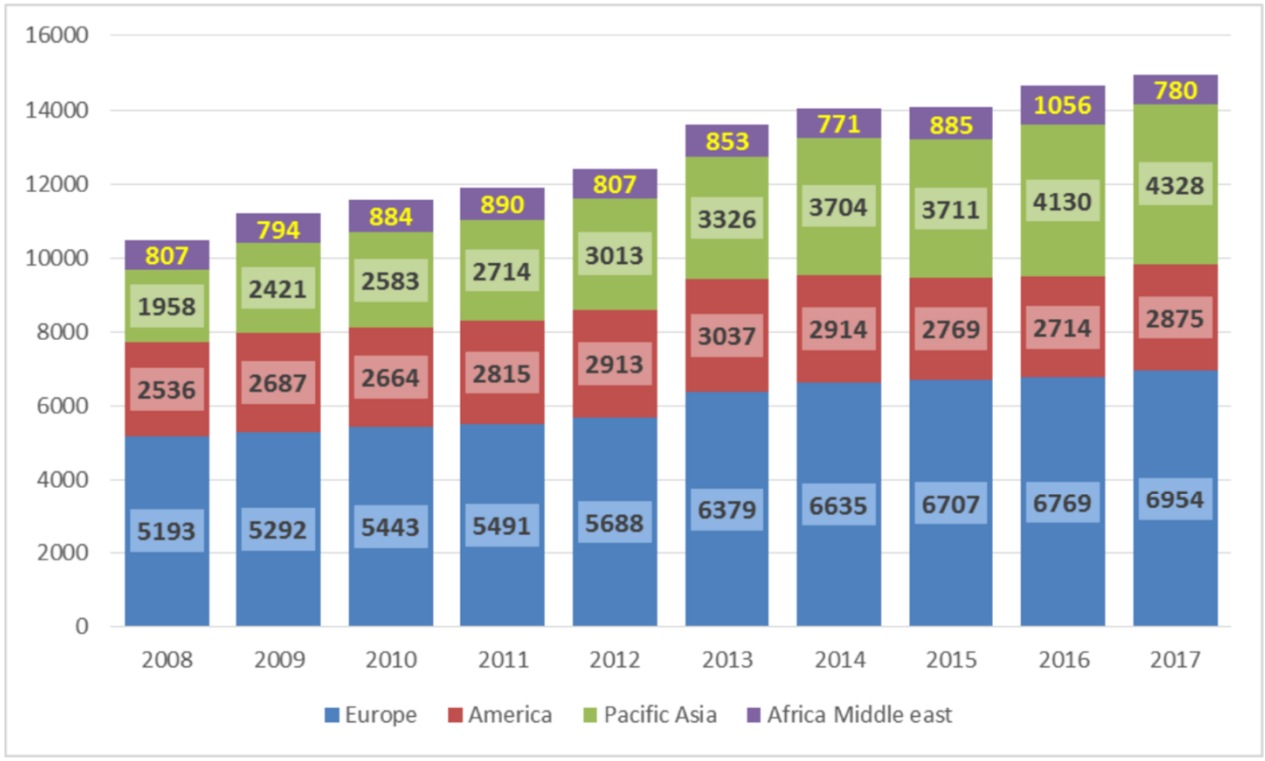
Proposta Primo Gruppo di Attivazione:
Rebolini, Massucco, Marelli, Negri ….
altri volontari?

MILANO sede adatta (Genova; Padova; Torino): PRYSMIAN, CESI, EDISON, ANSALDO, RSE, AUTORITA' , POLITECNICO, UNIVERSITA', AEIT ,CEI Enel e Terna hanno le sedi territoriali



MEMBERSHIP SITUATION
E FOCUS SU ITALIA





The National Committees of CIGRE manage CIGRE members in 65 countries.

Members “with No National Committee” are managed by the CIGRE Central Office.

In 2017 CIGRE was present in 98 countries.

[In 2016 CIGRE had Members in 100 countries, in 2015 in 94 countries and in 2014 in 90 countries]

- **Distribution changes within the geographical zones (Equivalent Members):**

	2014	2015	2016	2017
Europe	6635	6707 + *72*	6769 + *62*	6954 + *185*
America	2914	2769 – *145*	2714 - *55*	2875 + *162*
Pacific & Asia	3704	3711 + *7*	4130 + *419*	4328 + *198*
Africa & Middle East	771	885 + *114*	1053 + *168*	780 - *273*
	1 4024	1 4072 + *48*	1 4666 + *594*	1 4937 + *272*

Equivalence Rules:

1 individual member (I) =	*1 equivalent member*
1 individual member (II) =	*0.5 equivalent member*
1 collective member (I) =	*6 equivalent members*
1 collective member (II) =	*3 equivalent members*

Dal 2012 forte incremento da Cina , India, Corea del Sud sia Industriali che Università
Medio Oriente e Africa scosse da conflitti e con prevalenza di membri individuali , in crescita membri collettivi industriali in Turchia, Egitto, Penisola Arabica

2017 - EUROPE (39 countries / 32 NCs)

	Equivalent	Honorary & Fellows	Indiv. I	Indiv.II	Coll. I	Coll. II
AUSTRIA	**211**		62	4	24	1
BELGIUM	**160**	2	99	9	9	0
BOSNIA HERZEGOVINA	**41**		21	3	3	0
BULGARIA	**4**		3	1	0	0
CROATIA	**101**		65	5	5	1
CZECH REP./ Czech&Slovak NC	**87**		54	0	4	3
CYPRUS	**30**		12	0	3	0
DENMARK	**104**	1	47	9	8	1
ESTONIA	**35**		2	0	5	1
FINLAND	**136**	2	55	1	12	2
FRANCE	**512**	12	348	40	21	2
GEORGIA	**8**		2	0	1	0
GERMANY	**738**	12	443	49	39	8
GREECE	**230**	1	82	6	24	0
HUNGARY	**42**	1	31	13	0	1
ICELAND	**80**		14	0	11	0
IRELAND	**150**	1	115	43	2	0
ITALY	**326**	6	146	18	24	7
KOSOVO	**40**		10	0	4	2
LITHUANIA	**9**		0	0	1	1
LUXEMBURG	**2**		2	0	0	0
MACEDONIA	**54**		54	0	0	0
MALTA	**2**		2	0	0	0
MOLDAVIA	**1**		1	0	0	0
MONTENEGRO	**40**		22	0	3	0
NETHERLANDS	**253**	4	158	8	13	3
NORWAY	**245**	3	107	5	21	2
POLAND	**139**		101	3	6	0
PORTUGAL	**102**	1	33	3	11	0
ROMANIA	**176**		91	8	13	1
RUSSIA	**848**		411	99	60	9
SERBIA	**69**		45	0	4	0
SLOVAKIA / Czech&Slovak NC	**48**		26	1	3	1
SLOVENIA	**94**		46	0	8	0
SPAIN	**355**	4	120	5	30	16
SWEDEN	**311**	6	200	0	17	1
SWITZERLAND	**414**	10	200	5	32	3
UKRAINE	**146**		60	3	14	0
UNITED KINGDOM	**620**	9	196	13	62	12
Equivalent members:	**6954,0**	**75,0**	**3486,0**	**354,0**	**497,0**	**78,0**

vs 2016 (37 countries): 6769 Equivalent members
vs 2015 (37 countries): 6707 Equivalent members
vs 2014 (38 countries): 6635 Equivalent members
vs 2013 (35 countries): 6379 Equivalent members

2017 - AMERICA (13 countries) / 9 NCs)

	Equivalent	Honorary & Fellows	Indiv. I	Indiv.II	Coll. I	Coll. II
ARGENTINA	**171**	2	73	0	14	4
BRAZIL	**961**	8	653	53	44	3
CANADA	**418**	5	198	9	31	8
CHILE	**165**		65	20	15	0
COLOMBIA	**95**		2	0	14	3
COSTA RICA	**1**		1	0	0	0
DOMINICAN REPUBLIC	**7**		1	0	1	0
ECUADOR / Andean NC	**1**		1	0	0	0
MEXICO	**52**		48	2	0	1
PARAGUAY	**59**		41	0	3	0
PERU / Andean NC	**52**		16	0	6	0
UNITED STATES	**882**	11	555	26	44	13
URUGUAY	**12**		6	0	1	0
Equivalent members:	**2875,0**	**26,0**	**1660,0**	**110,0**	**173,0**	**32,0**

vs 2016 (16 countries): 2713 Equivalent members
vs 2015 (16 countries): 2769 Equivalent members
vs 2014 (14 countries): 2914 Equivalent members
vs 2013 (14 countries): 3037 Equivalent members

2017 - PACIFIC & ASIA (16 countries) / 9 NCs)

	Equivalent	Honorary & Fellows	Indiv. I	Indiv.II	Coll. I	Coll. II
AUSTRALIA	**602**	**6**	149	18	68	10
BANGLADESH	**1**		1	0	0	0
CHINA	**1076**	**2**	673	16	58	15
INDIA	**769**	**1**	151	28	91	19
INDONESIA	**26**		3	10	3	0
JAPAN	**884**	**3**	532	74	48	8
KOREA SOUTH	**421**		263	4	26	0
MALAYSIA	**146**		94	19	7	0
NEW ZEALAND	**141**		17	1	19	3
PAKISTAN	**4**		1	0	0	1
PHILIPPINES	**6**		0	0	1	0
SINGAPORE	**15**		14	2	0	0
SRI LANKA	**8**		1	1	1	0
TAIWAN	**22**		3	1	3	0
THAILAND	**201**	**1**	35	0	27	1
VIETNAM	**8**		2	0	1	0
Equivalent members:	**4328,0**	**13,0**	**1939,0**	**173,5**	**353,0**	**57,0**

vs 2016 (16 countries): 4130 Equivalent members
vs 2015 (18 countries): 3712 Equivalent members
vs 2014 (14 countries): 3704 Equivalent members
vs 2013 (11 countries): 3326 Equivalent members

2017 - AFRICA & MIDDLE EAST (30 countries) / 8 NCs

	Equivalent	Honorary & Fellows	Indiv. I	Indiv.II	Coll. I	Coll. II
ALGERIA no payment in 2017	**0**		0	0	0	0
ANGOLA	**1**		0	1	0	0
BAHRAIN / GCC NC	**6**		0	0	1	0
BENIN	**1**		1	0	0	0
BRUNEI	**1**		0	1	0	0
BURKINA FASO	**6**		0	0	1	0
CAMEROON	**3**		3	0	0	0
CONGO (Democratic Rep.)	**1**		1	0	0	0
EGYPT	**40**		16	0	3	2
ETHIOPIA	**1**		1	0	0	0
IRAN	**82**		70	0	2	0
ISRAEL	**41**		34	2	1	0
IVORY COAST	**8**		2	0	1	0
JORDAN	**73**		1	0	11	2
KAZAKHSTAN	**6**		0	0	1	0
KENYA	**1**		0	1	0	0
KUWAIT / GCC NC	**7**		1	0	1	0
LEBANON	**3**		3	0	0	0
MALI	**1**		1	0	0	0
MOROCCO	**1**		1	0	0	0
MOZAMBIQUE	**6**		0	0	1	0
NIGERIA	**1**		1	0	0	0
OMAN / GCC NC	**17**		5	0	2	0
QATAR / GCC NC	**25**		7	0	3	0
SAUDI ARABIA / GCC NC	**78**		47	1	5	0
SOUTH AFRICA	**191**	1	118	24	8	4
TUNISIA	**6**		0	0	1	0
TURKEY	**149**		26	5	20	0
UNITED ARAB EMIRATES/GCC NC	**26**		13	1	2	0
ZAMBIA	**1**		1	0	0	0
Equivalent members:	**780,0**	**1,0**	**352,0**	**35,5**	**64,0**	**8,0**

vs 2016 (31 countries): 1052 Equivalent members
vs 2015 (26 countries): 885 Equivalent members
vs 2014 (24 countries): 771 Equivalent members
vs 2013 (21 countries): 853 Equivalent members

AGGIORNATO A OGGI

ALBERTINI	CONSONNI	GOMARASCA	OLDAZZI	SERAFINO	AEIT
ALI	CORDIOLI	GORLA	OLDRATI	SOMMANTICO	ANIE
ALLELLA	COSMAI	GUALANO	PALONE	STABILE	ANSALDO ENERGIA
AMIROUCHE	COVA	GUARNERI	PANNUNZIO	TORTELLO	CEI
ARDITO	CRIPPA	GUARNIERE	PARMIGIANI	TREVISAN	CESI Spa
ASCERI	DE HORATIIS	GUIDA	PASQUINI	TRICOLI	EDISON S.p.a
BACCIN	DE NIGRIS	GUIZZO	PAZIENZA	VALANT	E-Distribuzione S.p.a.
BAFFA SCIROCCO	DE RAI	ILICETO	PEDICINO	VALENTE	ELANTAS Italia srl
BAGALINI	DE ZAN	IMPOSIMATO	PELIZZONI	VECCHIONE	ENEL S.p.a.
BARBIERI	DEL BRENNA	LAGROTTERIA	PELLICCIONE	VEGGETTI	ENEL TRADE
BAREGGI	DELL' ANNA	LAUROPOLI	PETRINI	VERCELLOTTI	GE GRID SOLUTIONS
BARSALI	DI BARTOLOMEO	LAVECCHIA	PICCAGLI	VERGINE	GETRA Eng: & Consulting
BASSI	DI DIO	LIBRATTI	PICCININ	VETTESE	IMQ S.P.A.
BERARDI	DIANA	LIONETTO	PIGINI	VEZIL	MED-TSO
BERGONZI	DONDOSSOLA	LOMBARDO	PIOVAN	VICINI	PRYSMIAN Powerlink
BERTANI	FAIELLA	LOMBINI	PIROVANO	VILLANI	RSE
BORSANI	FORTELEONI	LORUSSO	POMPILI	VOLPATO	SALVI & C SPA
BRAMBILLA	FOSSATI	MADONNA	PORTOGHESE	ZACCONE	SELTA
BRUNO	FRAIOLI	MAIOLI	POZZATI	ZAOTTINI	SIEMENS S.p.A.
CABANO	FRANCHI BONONI	MALGAROTTI	POZZI	ZOTTO	TAMINI Trasformatori
CALLEGARI	FREDDO	MARAN	PROVENZANO	ZUNINO	TERNA Rete Italia S.p.A
CAPPAI	GABRIELI FRANCESCATO	MARELLI	PRUDENZI	ZUOLO	TESMEC S.p.a.
CAPRA	GADALETA	MARINI	RIVA	VILLANOVA	TRATOS CAVI **industry 23**
CAPRARA	GALANTINO	MARTON	ROGORA	RAVETTA	UNIVERSITA' DI BOLOGNA
CARLINI	GARESCI	MARZINOTTO	ROMANO	FERRARI	UNIVERSITA' DI CAGLIARI
CASALE	GARGIULO	MAURI	ROSSI	CAMPOPIANO	UNIVERSITA' DI GENOVA
CATINI	GARIEL	MAZZA	SABELLI	ZIGON **individual 160**	UNIVERSITA' DI PADOVA
CAVALLINI	GARZI	MICHI	SACCO	FOSSI; BUONO; PEPE	UNIVERSITA' DI PISA
CAZZATO	GEMELLI	MOIANA	SALVADORI	MAZZA; CAIAZZO; SALA	UNIVERSITA' LA SAPIENZA **university 6**
CLERICI	GENOVESI	MONTANARI	SANTAGOSTINO	COTUGNO; MIANTE; DRESCO	BOLZA, NUCCI,
COLLA	GIANNUZZI	MUZI	SCARAVAGGI	PIETRIBIASI; NODARI	INVERNIZZI, MANZONI, REBOLINI
COLOMBO	GIORGI	NAPOLITANO	SCARIETTO	BARBIERI; DERVISKADIC	NEGRI, SFORZINI **honorary members 7**
COLUCCI	GIRARDI	NICOLINI	SCATIGGIO	EMOLUMENTO **young 14**	**TOTAL EQUIVALENT MEMBERS 322+7 = 329**

Membri equivalenti
2008: 201
2009: 200
2010: 209
2011: 228
2012:239
2013:307
2014 :333
2015 :336
2016 :324
2017: 326
2018: 329

MEMBRI cfr. 2018 vs 2017

Individuali 160 (+14)
Giovani : 14 (-4)

Bene su membri individuali !

Deboli su membri individuali giovani (Young Member) !

Industria 23(-1)

Bene su membri collettivi Industria, ma si può fare di più !

Università 6 (-1)

CN Italia debole sulle Università, Spagna ne ha 16 !

GOVERNANCE CN ITALIA
E AGGIORNAMENTO
REGOLAMENTO Ed. 2018

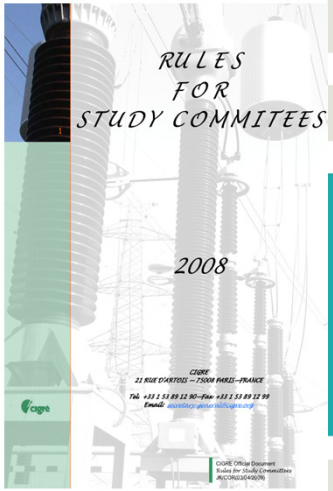
CIGRE Statutes

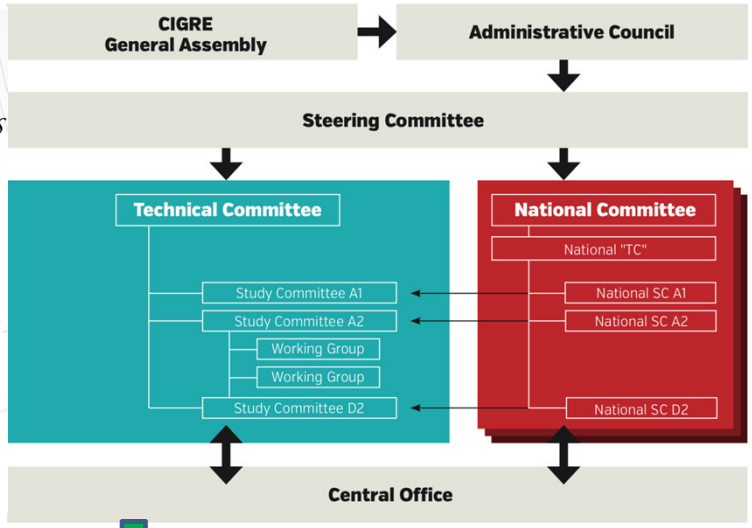
CIGRE Rules of procedure

Last update: 29 June 2018

Last update: 29 June 2018

Aggiornati Giugno2018





– Organization structure of CIGRE –

Comitato nazionale italiano

2016 -2018 Prima fase adeguamento Governance In accordo con Linee Guida CIGRE

Comitato nazionale italiano

GUIDE FOR
NATIONAL COMMITTEES
R. Stephen - 14 May 2016

The formation and running of National Committees is not often fully understood and best practices from other well established committees is often not shared. This document aims to provide a brief outline of how National Committees may operate.

It was compiled as a request from the Administrative Council at their meeting on 19 August 2015. The working group dealing with the topic is Doug Aberle, Ole Gjerde, Michelle Augonett, the author and Philippe Adam.

CN ITALIA
Membri
equivalenti
2008: 201
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2013:307
2014 :333
2015 :336
2016 :324
2017: 326
2018: 322

Dal 2013 CN ITALIA
Stabilmente
Sopra 300 Membri
Large National Committee

Small National Committees

These are National Committees with membership of between 40 and 100 members. There is normally a Board or Exco which consist of elected members with a Chairman and treasurer appointed from the elected members. The Study Committee members may form a Technical Committee. These normally chair the local panel or Regional activity group.

There may be a secretary to manage the invoices, correspondence, etc. This is normally not a full time employment but could be one to two days per week.

Organisation of conferences or events is normally performed by volunteers. An external conference organiser maybe employed.

A constitution or a memorandum of establishment outlining the operations of the Committee is recommended but not compulsory.

Medium sized National Committees

These are National Committees with membership between 100 and 250 members. The Board or Exco consisting of elected members is constituted. This may consist of 10-15 members depending on the role that the Committee wishes to employ. There may be a Communications role, Social events organiser, Technical events organiser etc. From the elected members a Chairman, Honorary secretary or Vice chairman and a Treasurer is elected. The Committee normally requires the services of a secretary which may work from 3 to 5 days per week depending on the workload.

The Technical Committee normally comprises the Study Committee members. The SC members are normally the chairman of the Regional Activity groups or Panels.

Large National Committees

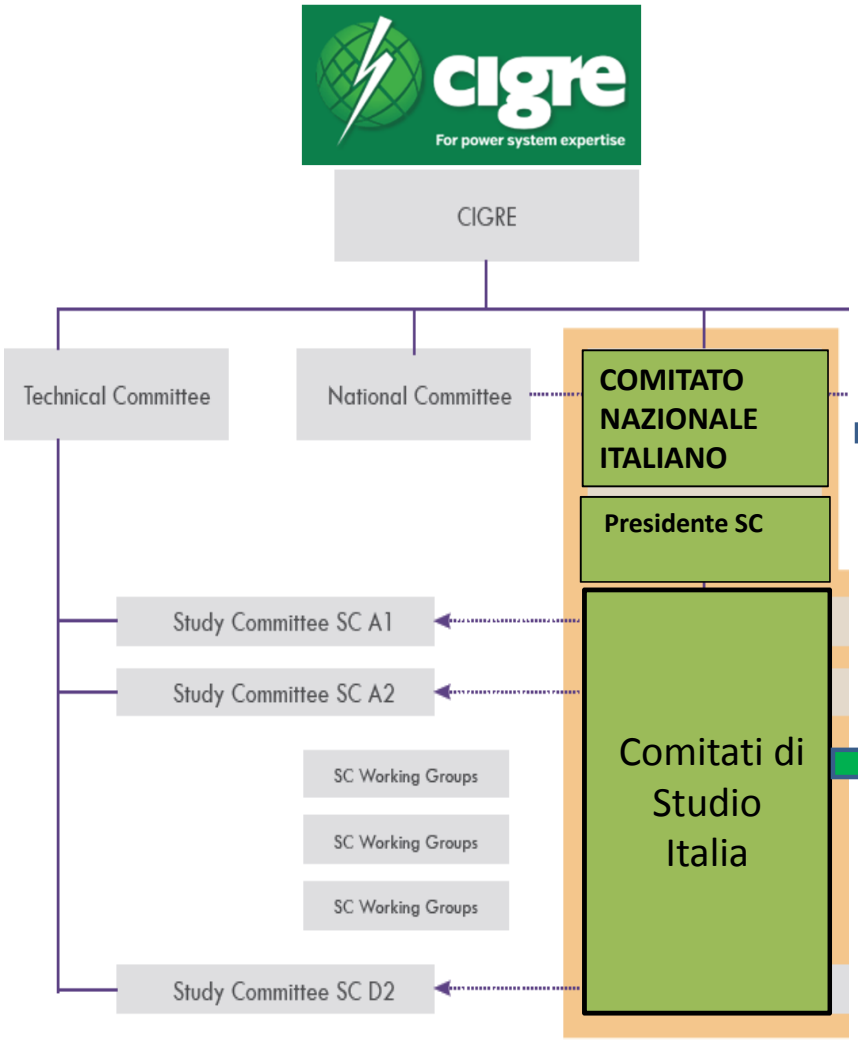
These are National Committees with members over 250. The structure is normally more permanent and may include permanent staff. An example of the structure of a large committee (using the Australian Model), is as follows:

Board – All volunteers drawn from a range of member companies and including some larger utilities

Secretariat – Executive manager – 4 days per week, Company secretary – 2 days per week

The Executive manager and the secretary work together to ensure the day to day and strategic issues are addressed. In addition the day to day operations of the organisation, finance, strategic plan implementation, conference organisation, policy and procedures, board support, external liaison and communications, website, newsletter, marketing, liaison with the Paris office, membership etc is also managed.

Other part time assistance may be contracted in as necessary- eg to aid the organisation of conferences.



Presidente: M. Rebolini

Segreteria Tecnica

Dr. Claudia Imposimato
RSE (Ricerca Sistema Energetico)
Via Rubattino, 54
20134 Milano (MI) - tel: +39.02.3992.5308
Contatta la Segreteria Tecnica

Consiglio di Presidenza

Presidente Comitati di Studio

Consiglio Tecnico NC Italia CIGRE

Responsabile e segretario per ciascun Comitato di Studio

Consiglio di Presidenza 29 Nov 2018

Ing.Massimo Rebolini **(Presidente)**

Ing. Evaristo Di Bartolomeo **(VicePresidente)**

Ing. Domenico Villani **(Vicepresidente)**

Dott. Claudio Fiorentini (vice presidente)

Ing. Michele De Nigris

Ing. Marco Marelli

Prof. Domenico Villacci

Prof. Massucco

Prof. Alfredo Testa

Ing. Vincenzo Girlando

Ing. Giulio Santagostino — Past President CN Italia

Dr. Claudia Imposimato **(Segreteria Tecnica)**

Ing. Antonio Ardito (Coordinatore Consiglio Tecnico)

Ing. Roberto Bacci

Ing. Debora Stefani

Ing. Antonio Negri — Membro Onorario Parigi

Prof. C. A. Nucci — Membro Onorario Parigi

Ing. A. Invernizzi — Membro Onorario Parigi

Ing. Aldo Bolza — Membro Onorario Parigi

Ing. Giancarlo Manzoni — Membro Onorario Parigi

Ing. Mario Sforzini — Membro Onorario Parigi

Ing. Enzo Tortello — Membro onorario CN Italia

Consiglio di Presidenza 2019

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(VicePresidente)

Ing. Domenico Villani
(Vicepresidente)

Dott. Claudio Fiorentini
(vice presidente)

Ing. Michele De Nigris

Ing. Marco Marelli

Prof. Domenico Villacci

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Dr. Claudia Imposimato
(Segreteria Tecnica)

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(Presidente Comitati di Studio)

Ing. Debora Stefani

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