



CONSEIL INTERNATIONAL DES GRANDS RESEAUX ELECTRIQUES  
INTERNATIONAL COUNCIL ON LARGE ELECTRIC SYSTEMS

**Steer. Com.**

# **LIFE OF THE ASSOCIATION**

## **2017 Membership Situation**

### **Steering Committee Meeting**

**May 2<sup>nd</sup> - 3<sup>rd</sup> 2018**

**LONDON  
(England)**

**CIGRE CENTRAL OFFICE 21 RUE D'ARTOIS, FR - 75008 PARIS**

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## 1. Year 2017 : Comments on Membership situation

### ▪ 2017 Membership figures as at March 31<sup>st</sup> 2018:

**8 225 Individual Members:** 7 552 Individual Members (I)  
673 Individual Members (II) (under 35)  
**1 262 Collective Members:** 1 087 Collective Members (I): Companies  
175 Collective Members (II): Educational Bodies / Universities  
**9 487 Members (= 14 937 Equivalent Members)**

### ▪ Compared with 2016 Membership figures as at March 31<sup>st</sup> 2017:

**8 022 Individual Members:** 7 426 Individual Members (I)  
596 Individual Members (II) (under 35)  
**1 218 Collective Members:** 1 060 Collective Members (I): Companies  
158 Collective Members (II): Educational Bodies / Universities  
**9 240 Members (= 14 666 Equivalent Members)**

Statistical information on the 2017 membership situation is summarized pages 6-8 in the Table: '2017 Membership: Equivalent, Individual and Collective Members'

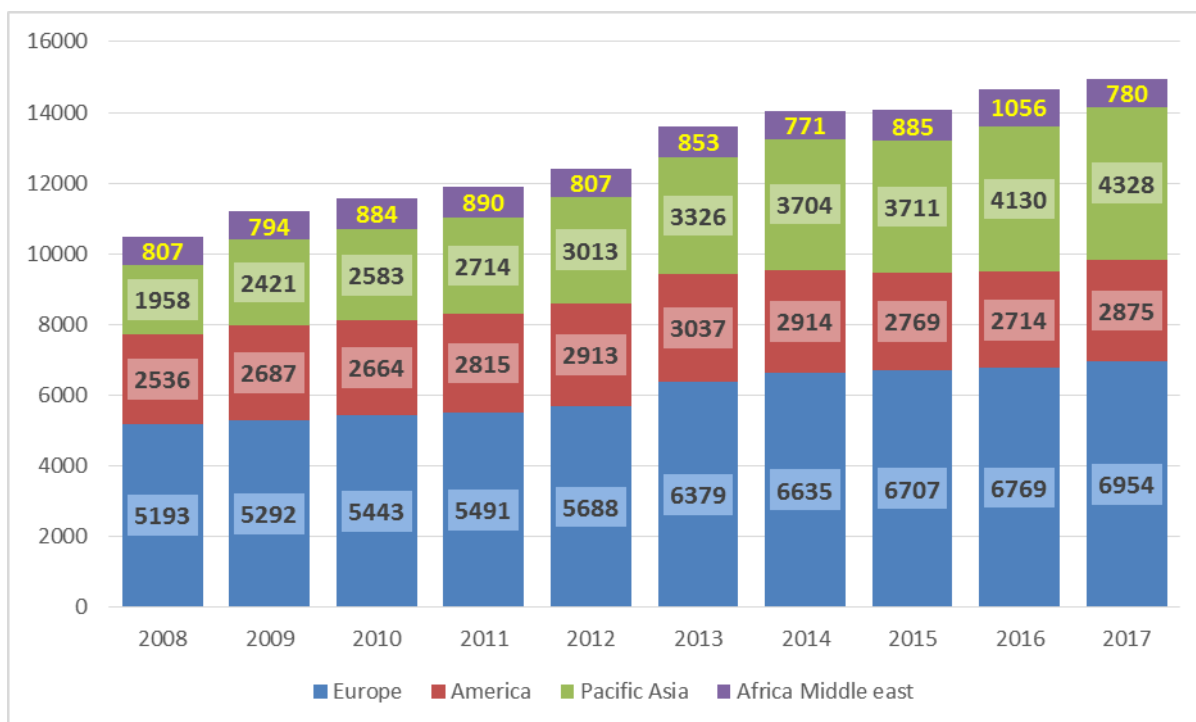
### ▪ Evolution of new Member applications since 2008:

**2017:** 1 676 new members: 1 022 Individual I, 505 Individual II, 123\* Collective I, 26 Collective II  
**2016:** 1 496 new members: 1 012 Individual I, 323 Individual II, 139\*\* Collective I, 22 Collective II  
**2015:** 1 366 new members: 884 Individual I, 380 Individual II, 86 Collective I, 16 Collective II  
**2014:** 1 736 new members: 1 177 Individual I, 463 Individual II, 87 Collective I, 9 Collective II  
**2013:** 1 755 new members: 958 Individual I, 684 Individual II, 102 Collective I, 11 Collective II  
**2012:** 1 826 new members: 1 235 Individual I, 492 Individual II, 86 Collective I, 13 Collective II  
**2011:** 1 424 new members: 859 Individual I, 446 Individual II, 109 Collective I, 10 Collective II  
**2010:** 1 292 new members: 779 Individual I, 432 Individual II, 80 Collective I, 11 Collective II  
**2009:** 1 271 new members: 710 Individual I, 598 Individual II, 83 Collective I, 16 Collective II  
**2008:** 1 240 new members: 942 Individual I, 188 Individual II, 89 Collective I, 21 Collective II

\* In 2017: 29 new Collective members (I) joined CIGRE via the Indian National Committee and 11 new Collective members (I) joined CIGRE via the Colombian National Committee.

\*\* In 2016: 50 new Collective members (I) joined CIGRE via the Indian National Committee.

▪ **Evolution & distribution in geographical zones (Equivalent Members)**



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):**

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
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
	<u>1 4024</u>	<u>1 4072 + 48</u>	<u>1 4666 + 594</u>	<u>1 4937 + 272</u>

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

## 2. Evolution of National Committees in 2017

- **Significant variations.**

In 2017 there have been significant variations in the number of members in some countries with increases in India, Turkey, Iran, Chile, Hungary and decreases in GCC and Egypt.

- **The ranking is based on Equivalent membership**

In 2017 the 10 largest NCs were: China, Brazil, Japan, the United States, Russia, India, Germany, the United Kingdom, Australia and France.

*[In 2016 the ranking of the 10 largest NCs was as follows: China, Brazil, the United States, Japan, Russia, Germany, the United Kingdom, India, Australia and France*

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

## 3. National Committees below 40 equivalent Members (statutory requirement)

- **In 2017 only 3 NCs had less than the requested 40 Equivalent Members:**

Indonesia [26] - Cyprus [30] - Estonia [35]

- *Whereas in 2016, 7 NCs had less than 40 Equivalent Members:*

*Libya [0] - Venezuela [01] - Hungary [15] - Indonesia [16] - Cyprus [30] - Estonia [34] - Mexico [36].*

## 4. Transfer of the membership fees

- **Renewal membership fees of the current year must be transferred to the Central Office on March 31, at the latest. It is a mandatory deadline date.**

*Important note:*

*Nearly 50% of the National Committees did not comply with this requirement - neither in 2016 nor in 2017.*

- **Membership fees of new members** must be transferred **before December 15** of the current year. (for administrative reasons)

## 5. NCs Contact details

- Data updates concerning the NC President, Secretary or the administrative person in charge of the Members (such as: Name, email address, tel. N°, postal address...) must be notified **by email** to [membership@cigre.org](mailto:membership@cigre.org) .

## 6. Members of Administrative Council and Steering Committee

- **Reminder:** the Members of the CIGRE Administrative Council and CIGRE Steering Committee should be **Individual CIGRE Members**.

## 2017 - List of the Countries with CIGRE Members

1	ALGERIA	34	GERMANY	67	NORWAY
2	ANGOLA	35	GREECE	68	OMAN
3	ARGENTINA	36	HUNGARY	69	PAKISTAN
4	AUSTRALIA	37	ICELAND	70	PARAGUAY
5	AUSTRIA	38	INDIA	71	PERU
6	BAHRAIN	39	INDONESIA	72	PHILIPPINES
7	BANGLADESH	40	IRAN	73	POLAND
8	BELGIUM	41	IRELAND	74	PORTUGAL
9	BENIN	42	ISRAEL	75	QATAR
10	BOSNIA	43	ITALY	76	ROMANIA
11	BRAZIL	44	IVORY COAST	77	RUSSIA
12	BRUNEI	45	JAPAN	78	SAUDI ARABIA
13	BULGARIA	46	JORDAN	79	SERBIA
14	BURKINA FASO	47	KAZAKHSTAN	80	SINGAPORE
15	CAMEROON	48	KENYA	81	SLOVAKIA
16	CANADA	49	KOREA SOUTH	82	SLOVENIA
17	CHILE	50	KOSOVO	83	SOUTH AFRICA
18	CHINA	51	KUWAIT	84	SPAIN
19	COLOMBIA	52	LEBANON	85	SRI LANKA
20	CONGO D.R.	53	LITHUANIA	86	SWEDEN
21	COSTA RICA	54	LUXEMBURG	87	SWITZERLAND
22	CROATIA	55	MACEDONIA	88	TAIWAN
23	CYPRUS	56	MALAYSIA	89	THAILAND
24	CZECH REPUBLIC	57	MALI	90	TUNISIA
25	DENMARK	58	MALTA	91	TURKEY
26	DOMINICAN REPUBLIC	59	MEXICO	92	UKRAINE
27	ECUADOR	60	MOLDAVIA	93	UNITED ARAB EMIRATES
28	EGYPT	61	MONTENEGRO	94	UNITED KINGDOM
29	ESTONIA	62	MOROCCO	95	UNITED STATES
30	ETHIOPIA	63	MOZAMBIQUE	96	URUGUAY
31	FINLAND	64	NETHERLANDS	97	VIETNAM
32	FRANCE	65	NEW ZEALAND	98	ZAMBIA
33	GEORGIA	66	NIGERIA		

## 2017 Membership: Equivalent, Individual & Collective members

### CIGRE National Committees *and other countries*

#### 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
<b>Equivalent members:</b>	<b>2875,0</b>	<b>26,0</b>	<b>1660,0</b>	<b>110,0</b>	<b>173,0</b>	<b>32,0</b>

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
<b>Equivalent members:</b>	<b>4328,0</b>	<b>13,0</b>	<b>1939,0</b>	<b>173,5</b>	<b>353,0</b>	<b>57,0</b>

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

2017 Grand Total	Equivalent Members	Honorary & Fellows	Indiv. I	Indiv. II	Coll. I	Coll. II
(98 countries)	14937,0	115,0	7437,0	673,0	1087,0	175,0

vs 2016 100 countries with 14666 Equivalent members

7426

596

1060

158

vs 2015 (95 countries) with 14072 Equivalent members

7182

642

1006

141

vs 2014 (90 countries) with 14024 Equivalent members

7059

1021

990

130

vs 2013 (81 countries) with 13595 Equivalent members

6619

1110

986

137

vs 2012 (88 countries) with 12421 Equivalent members

6396

868

957

139

vs 2011 (93 countries) with 11910 Equivalent members

5860

716

1008

147