

Membership matters

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Strategic vs Administration

- VP Membership and Development responsible for strategic engagements and negotiations
 - New members
 - Defaulting members
 - Excluded members
- IUPAP Secretariat responsible for administration, e.g.
 - Keep current records of Adhering Body and Liaison Chairs
 - Roll out negotiated arrangements for new members and resumption of old membership as per signed MoU
 - Issue invoices and receive dues
 - Etc

Ratification of EC&CC decisions

Territorial members

- South Africa increase in number of units from 3 to 5
- Jordan decrease in number of units from 2 to 1
- Nigeria resumption of membership at 1 unit

Corporate associate members

- CAEN incorporated with 1 unit
 - Large company providing a complete range of high/low voltage power supply systems and front-end/data acquisition modules for Nuclear and Particle Physics

Defaulting members

- For the time leading to the Centenary Celebration, it was felt that IUPAP should be lenient in dealing with defaulting members
- However, perennially defaulting members were 'given notice' at the 2023 GA to make arrangements to meet their obligations or else they will be formally excluded at the 2024 GA
- We made arrangements with some countries, e.g. Nigeria, Jordan, etc.
 - Signed new MoU with renewed commitment.

Exclusion from the Union

- All other territories who have not been fully paid up for past 6 years are henceforth formally excluded from the Union
 - Debt is capped at an amount equivalent to the cost for a 6 year period at the rate for 1 unit (CHF 15 000 in current terms)
 - IUPAP continues to communicate with excluded territories, keeps them connected with the work of the Union
 - VP Membership and Development through Membership Committee continues to engage with excluded territories, aim to develop a plan for resumption of full membership

Rights of defaulting members

- No voting rights for members in arrears of 3–6yrs
- Does not form part of the quorum for voting at the GA
- May continue to serve on Commissions and WG's

Resumption plan

- An example of a resumption plan (each case to be negotiated individually)
 - Year 1: pay 0% cost of 1 unit
 - Year 2: pay 50% cost of 1 unit
 - Year 3 and onwards: pay 100% of cost of 1 unit
 - Year 6: if above has been adhered to, the debt is officially written off in the books of the IUPAP

Members at different stages of evolution

- Territorial members
 - Current fully paid up members
 - New members
 - Potentially new members
 - Defaulting members
 - Excluded members
- Associate Territorial Members
 - This marks IUPAP's commitment to the development of physics
- Corporate Associate members (WG16)

Keep current IUPAP membership intact

- About 65 members (195 countries, i.e., 1/3 global membership)
- Must enhance the interests of our paying members
 - Continue with one-on-one engagements on 3-year cycle
 - Encourage proposals for new activities, new initiatives from Liaison Committees, not just Executive Council, Commissions and WG's
 - Members must readily see benefits
 - IUPAP should remain relevant to its members even as these times change
 - The world is not static
 - IUPAP must adapt to changing times
 - The work of IUPAP must be communicated to membership and beyond
 - Nominations linked to number of units
 - Special care for new members

Quest for new members

- Devise strategies to approach potentially new members
 - Target most physics-productive countries that are not members
 - Conversations with potentially new countries must be ongoing
- Use every opportunity that comes up, follow every lead
 - Commissions and WG's have an important role to play
 - Use global networks
 - Connect with embassies
- Negotiate a mutually attractive deal to bring new members on board
 - Sign MoU with nuanced conditions

В	С	D	E	F	G	н	1	J	K L	M	N O
- Country	Number of shares		Joined as member	Year exited - Do	cuments - Cit	able doci + Ci	tations - S		ations pe + H index		T T
1 United States	18	6	1922		1234180	1214137	27255712	11623436	22.08	927	Secure
2 China (Beijing)	15	5	1934;1984		884259	878886	7420539	4258002	8.39	422	Moderately Sec
3 Japan	15	5	1922	4000	514943	509877	7133282	2386686	13.85	498	Precarious
4 Germany	15	5 5	1954	1960	514650	508335	10012088	3124788	19.45	588	Exited
5 France	15 15	9	1922 1922		356582 339010	352550 333393	6567121 7124716	1792680 1794291	18.42 21.02	491 549	
6 United Kingdom 7 Russian Federation	18	8	1957		335854	333613	3051124	1063890	9.08	358	
8 Italy	12	5	1923		248719	245327	4290546	1246261	17.25	431	
9 India	15	5	1948		217483	215116	2334366	812088	10.73	292	
10 South Korea	10	5	1969		193305	191265	2484615	585495	12.85	333	
11 Spain	8	4	1922		165885	163858	3056502	729481	18.43	384	
12 Canada	8	4	1922		155538	153429	3039210	568645	19.54	391	
13 Poland	4	3	1922		120912	119794	1472912	416380	12.18	286	
14 Switzerland	4	3	1922		108083	106696	2547695	459844	23.57	404	
15 Taiwan		3	1984		108855	105679	1359508	311347	12.75	243	
16 Australia	4	3	1925		102592	100994	2002030	413020	19.51	337	
17 Netherlands	4	3	1922		98704	97293	2343551	390634	23.74	387	
18 Brazil	8	4	1951		98413	97473	1149110	316584	11.68	240	
19 Sweden	8	4	1923		77852	76852	1523976	273606	19.58	308	
20 Belgium	4	3	1922		67936	67039	1226855	225187	18.06	271	
21 Ukraine					65969	65559	500556	150919	7.59	168	
22 Iran	<u> </u>	1	? 1951		58577	57971 55050	529478	209644	9.04	145	
23 Israel 24 Mexico	2	2	1925		55759 52465	51883	1171800 626810	193086 132290	21.02 11.95	287	
25 Turkey			1020		51139	50501	561506	153204		173	
26 Czech Republic	4	3	1993		49738	49326	632744	155246	12.72	202	
27 Austria	2	2	1957		49218	48524	1033524	160866	21	279	
28 Singapore	2	2	2009		42710	42249	755111	110733	17.68	237	
29 Denmark	3	2	1922		40567	40085	932080	143364	22.98	277	
30 Finland	3	2	1947		39108	38646	713815	126697	18.25	221	
31 Portugal	1	1	1984		39049	38403	635117	122338	16.26	212	
32 Greece	1	1	2009		38187	35891	598255	115819	18.53	200	
34 Malaysia					31821	31494	180674	60205	5.68	98	
35 Romania	1	1	1947; 1960; 2009	1960-1987	28908	28591	242912	57992	8.4	135	
36 Hungary	3	2	1948		28883	28533	521414	89318	18.05	211	
37 Argentina			1951; 1984	0047	28044	27761	396990	78254	14.16	163	
38 Egypt	1	1	1948	2017	23750	23542	228931	62901		119	
39 Chile			1984 1922		23335	23073	459121	90580	19.88 14.45	108	
40 South Africa 41 Ireland	1	1	1966		21593 21557	21278 21288	311945 394799	52388 57497	18.31	155	
42 Norway	3	2	1922		21339	21280	394799	59579	17.68	183	
43 Saudi Arabia	1	1	1990	2017-No votir	20078		188037	40482	9.37	114	
44 Slovakia	1	1	1993		17433	17298	215226	42502	12.35	141	
45 Bulgaria	o o	Ö	1957		17157	17003	227147	38492		129	
46 Belarus					16153	16047	151878	33012		116	
47 Pakistan	0	0	1951	2017	15776	15566	146249	49257	9.27	111	Risk of defaulting in 2019
48 Slovenia	1	1	1993		13793	13864	246274	43079	17.85	149	
49 Thailand					12948	12794	125334	24126		101	
50 Algeria		1	2009		12894	12572	81782	20629	6.44	75	
51 New Zealand	1	<u></u>	1954		12343	12092	220441	31196	17.86	153	
52 Colombia	1	1	2009	2017	10105	10017	120663	23785	11.94	107	
53 Indonesia 54 Serbia					10036	9971 9837	23274	5899 25413	2.32	56	
55 Crostia		1	1993		9972	9037	112373	25413	11.27	101	
56 Lithuania	1	1	2002		9042 9742	9889	98755	24570	10.14	101	
57 Turisia	1	i	2005		9570	9498	67745	20802	7.08	101 71	
58 Armenia					8815	8732	152116	28824	17.26	146	
	eet1 +										

Increase number of units

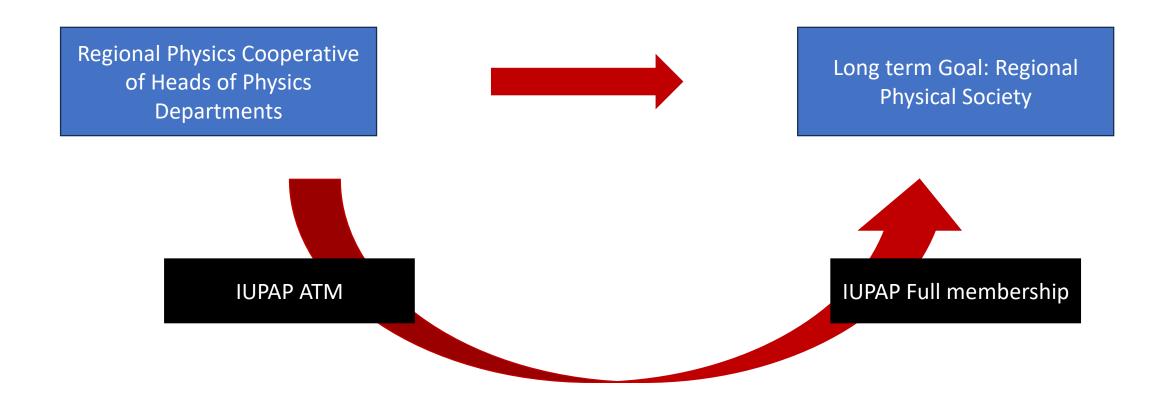
 South Africa is only country in several years that has increased number of units from 3 to 5

Associate Territorial Membership (ATM)

- Articles have been updated in 2023
- 10% cost of one share, benefits are limited, spelt out in MoU
- Not more than 10% of members should be ATM's
- Member country must commit to programme of physics development (quid pro quo), of mutual benefit
 - Not simply a discounted levy
- An open call for applications
- Renewal on 3-year cycle, following submission of a report
 - Can morph into full membership

[1] Nepal

- Nepal is an important test case
 - Thanks to Nilam Shrestha
- IUPAP and Nepalese Physical Society must work strongly together to help develop physics in Nepal
 - Spin-off effects in the region
- Work with other physics organisations in the region, also internationally
- In 2026, we will assess progress made
 - Nepal hosted International Conference of Physics for Sustainable Energy 2023
 - Nepal representative on WG21
 - Nepal nominates associate member to C13





[2] Pacific Island nations

- National University of Samoa (NUS) as a regional coordinating institution
 - Thanks to Gabriel Bioletti and David Hutchinson
 - Connecting with Fiji, Tonga and other island nations
 - IUPAP, NIP, Australian Academy of Science, APS, French Physical Society, IPSA, partners
- Plan for major workshop in 2025 on Energy for the Future
 - Energy is a pressing issue for local communities
 - LOC is being formed
 - Involve rangatahi (youth) aimed at late high school/early university-aged students
 - Preparing a Mission Statement
 - Preparing a budget

[3] Southern African physics cooperative

- SAIP to play a coordinating role
 - Thanks to Rudolph Erasmus, Azwinndini Muronga
 - IUPAP, APS, AfPS partners
- First consultative forum on co-creating the Southern Africa Physics Network (SAPhysNet) on 5 July 2024
- Grow physics cooperation in region, address problems of regional importance
 - DSI/NRF have expressed strong support
 - Aligned with strategies of DSI, SADC, AU
 - Role of Science, Technology, and Innovation (STI) in achieving sustainable socioeconomic development
- A task team has been established to drive the establishment of the cooperative
 - Develop ToR's for cooperative

[4] Proposed Eastern African physics cooperative

- EAIFR can play a coordinating role
- IUPAP, ICTP, IoP, SAIP, AfPS partners

[5] Proposed ATM member in Latin America

- Leave this to incoming President and incoming VP Membership and Development to pursue further
 - Can be a single ATM country as with Nepal or
 - Can be a regional physics cooperative

Time to say goodbye

- I will rotate off the Council at conclusion of GA 2024
 - Remain Chair of WG21 until Oct 2026, major conference in 2027
- Many thanks to Kennedy Reed, Michel Spiro, Bruce Mckellar, Jens Vigen
 - Singapore Office
 - Trieste Office
- Thanks to Edmund Zingu, Manfred Hellberg, Igle Gledhill