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Results of the 2012 User Survey

These are very preliminary results of the 2012 user survey.

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Current status of the user survey:

Partner	Facilities	#of hashes	#of users	#of countries	Link
ALBA/CELLS	ALBA (Synchrotron)	773	773	30	
DESY	PETRAIII (Synchrotron) FLASH (FEL)	4206 (3870/463)	4197 (3862/462)	48 (48/25)	
DIAMOND	DLS (Synchrotron)	4417	4410	41	
ELETTRA	ELETTRA (Synchrotron) FERMI (FEL)	1701	1684	53	
ESRF	ESRF (Synchrotron)	10491	10287	51	
JCNS	FRM-II (Neutron)	1096	1095	41	
ILL	ILL (Neutron)	4671	4649	54	
CEA	LLB (Neutron)	1235	1235	40	
STFC	ISIS (Neutron)	2881	2881	-	
PSI	SLS (Synchrotron) SINQ (Neutron)	4822 (3827/1219)	4822 (3827/1219)	53 (48/39)	
SOLEIL	SOLEIL (Synchrotron)	4601	4568	48	
TOTAL	9 Photon Sources 5 Neutron Sources	40821	30958	77	

Basic numbers

Total number of hashes:	40821	Photons:	29743	Neutrons:	11078
Total number of unique users:	30958	Photons:	24121	Neutrons:	9040
Using only Neutrons:	6837	or 22.0% of all unique users			
Using only Photons:	21918	or 70.7% of all unique users			
Using Neutrons and Photons:	2203	or 7.1% of all unique users			
Using more than one facility:	6973	or 22.52406% of all users			
Using more than one Photon source:	4527	or 18.76787% of all photon users			
Using more than one Neutron source:	1604	or 17.74336% of all neutron users			
Total number of returning users:	21222 (68.6%)	Photons:	16457 (68.2%)	Neutrons:	6026 (66.7%)
Total number of new users:	9736 (31.4%)	Photons:	7664 (31.8%)	Neutrons:	3014 (33.3%)

Unique and Common Users

- Note: numbers are still preliminary.
- Remarkably, all facilities have users in common with all other facilities, also across neutron and photon sources. Typically, 30-40% of the users of any of the photon or any of the neutron sources also use at least one other facility. The numbers are bound to increase with more facilities being added

Photon Sources

Facility	# Users	Users using at least one <u>other</u> Photon Source	Users using at least one Neutron Source
ALBA	773	399 (51.6%)	65 (8.4%)
DESY	4197	1250 (29.7%)	424 (10.1%)
DLS	4407	1121 (25.4%)	536 (12.1%)
ELETTRA	1684	632 (37.5%)	90 (5.3%)
ESRF	10287	3535 (34.3%)	1260 (12.2%)
SLS	3827	1448 (37.8%)	357 (9.3%)
SOLEIL	4568	1764 (38.6%)	379 (8.2%)

Neutron Sources

Facility	# Users	Users using at least one <u>other</u> Neutron Source	Users using at least one Photon Source
FRM-II	1095	472 (43.1%)	257 (23.4%)
ILL	4649	1364 (29.3%)	1337 (28.7%)
ISIS	2880	884 (30.6%)	742 (25.7%)
LLB	1235	368 (29.7%)	323 (26.1%)
SINQ	1219	554 (45.4%)	413 (33.8%)

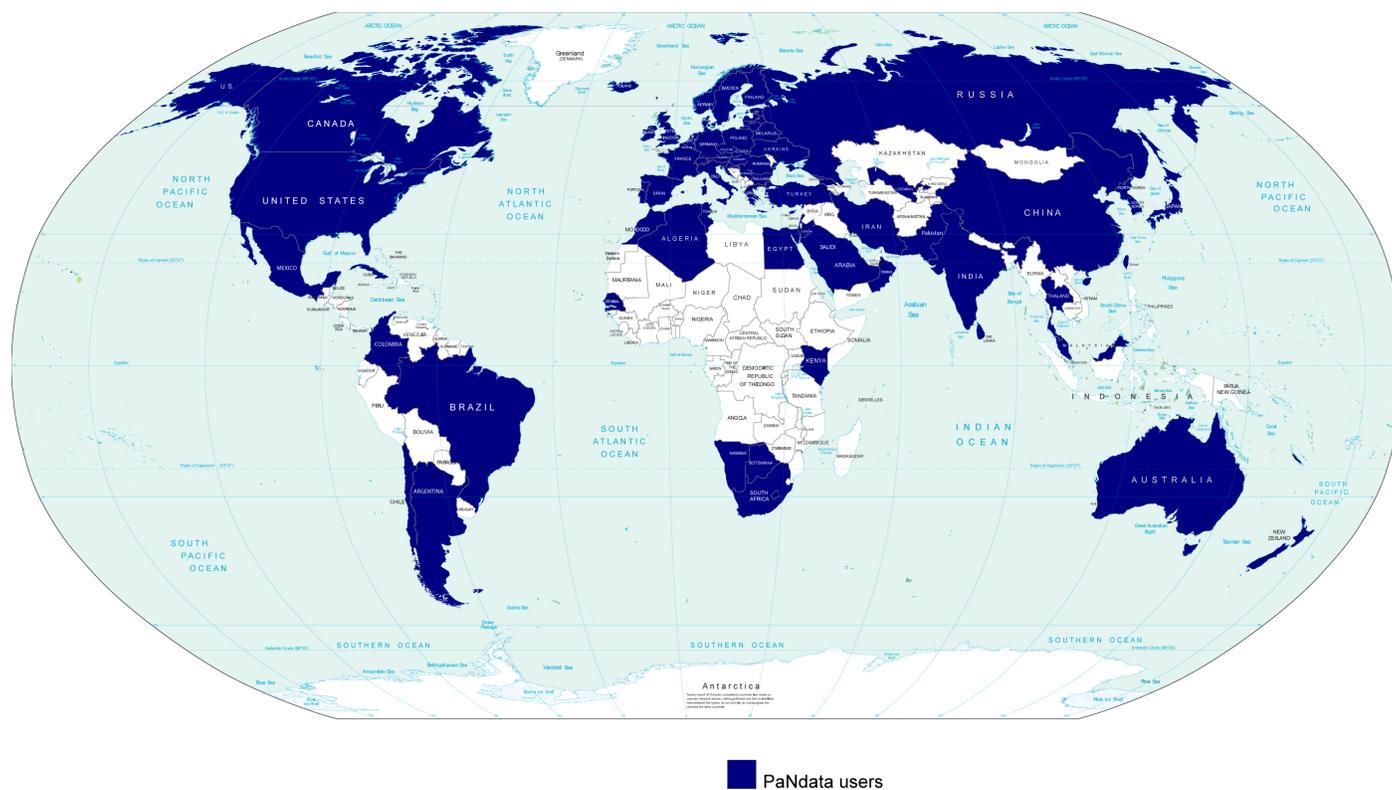
Number of Users shared between facilities

	ALBA	DESY	DLS	ELETTRA	ESRF	FRM-II	ILL	ISIS	LLB	SINQ	SLS	SOLEIL	neutron	photon	all
ALBA	773	61	58	40	281	2	51	13	5	10	77	105	65	399	773
DESY	61	4197	137	140	851	116	255	113	62	95	315	188	424	1250	4197
DLS	58	137	4407	83	810	30	267	399	33	52	229	192	536	1121	4407
ELETTRA	40	140	83	1684	318	8	56	27	15	11	130	262	90	632	1684
ESRF	281	851	810	318	10287	139	900	369	190	174	963	1286	1260	3535	10287
FRM-II	2	116	30	8	139	1095	347	137	89	161	33	29	472	257	1095

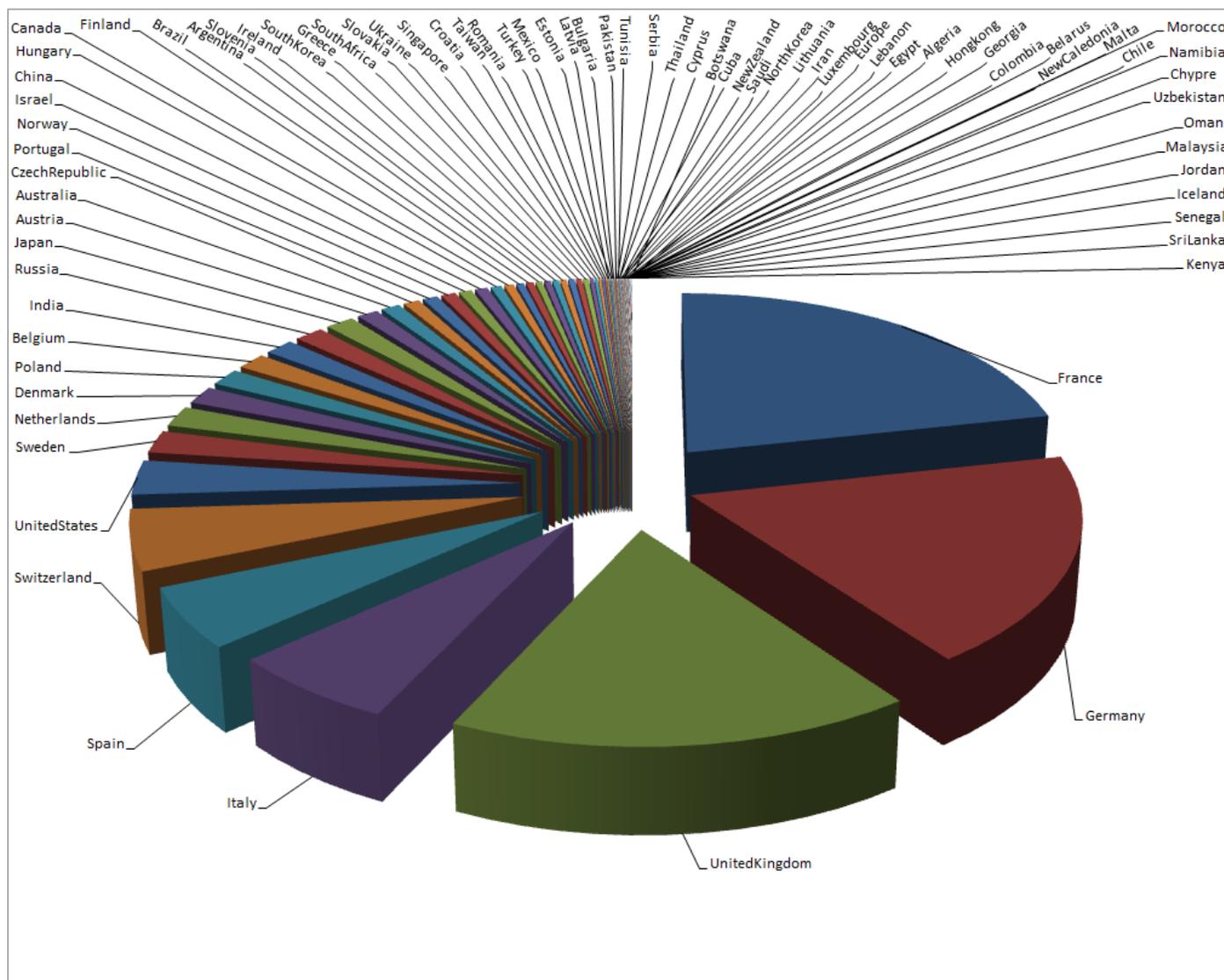
ILL	51	255	267	56	900	347	4649	731	301	395	156	222	1364	1337	4649
ISIS	13	113	399	27	369	137	731	2880	89	233	94	56	884	742	2880
LLB	5	62	33	15	190	89	301	89	1235	74	39	151	368	323	1235
SINQ	10	95	52	11	174	161	395	233	74	1219	224	31	554	413	1219
SLS	77	315	229	130	963	33	156	94	39	224	3827	399	357	1448	3827
SOLEIL	105	188	192	262	1286	29	222	56	151	31	399	4568	379	1764	4568
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neutron	65	424	536	90	1260	1095	4649	2880	1235	1219	357	379	7436	2284	9040
photon	773	4197	4407	1684	10287	257	1337	742	323	413	3827	4568	4589	19594	24121
all	773	4197	4407	1684	10287	1095	4649	2880	1235	1219	3827	4568	8980	18833	30958

Where do our users come from?

Currently we count users with home institutions located in 77 different countries, including places like New Caledonia or Botswana.

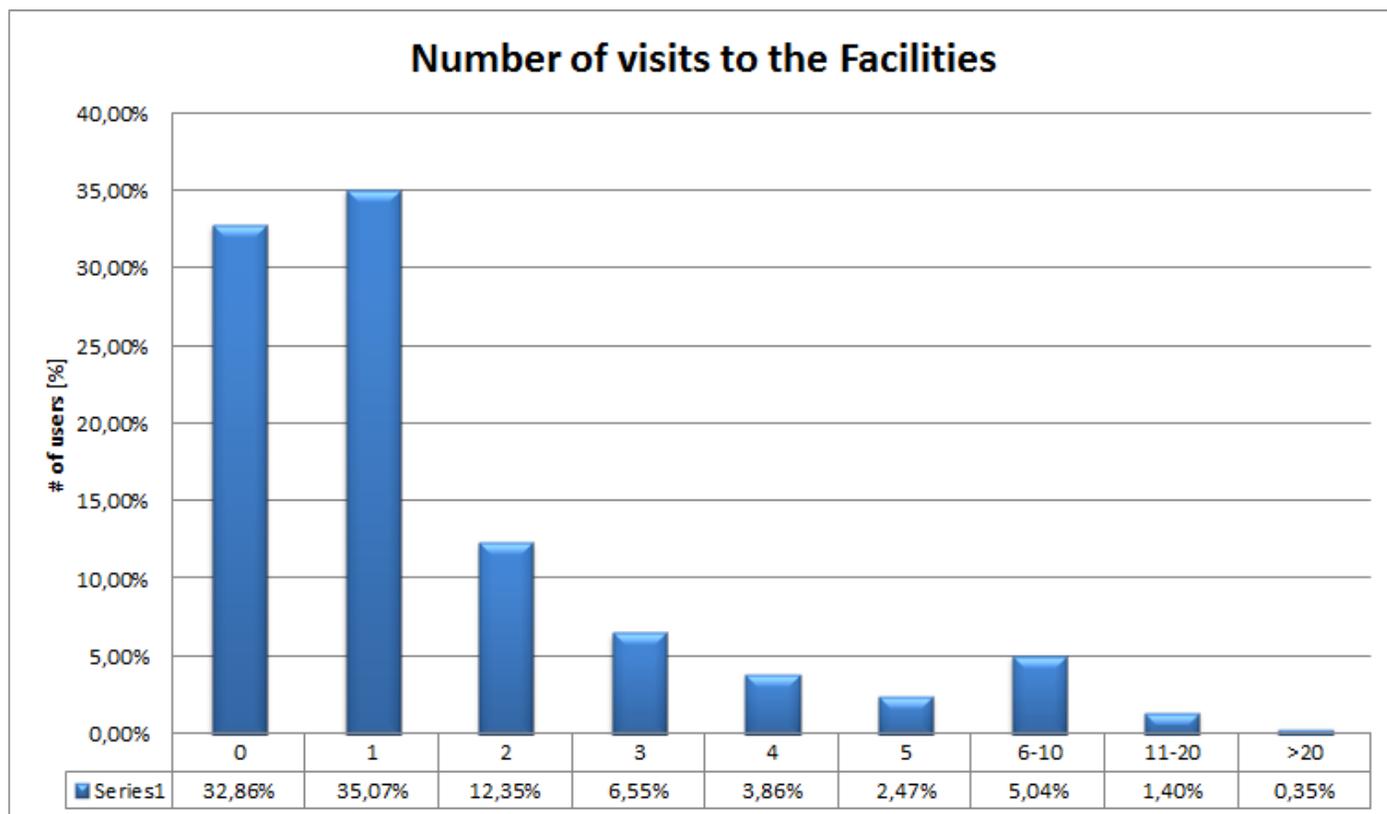


The majority of the users are - little surprising - coming from Europe, but a significant fraction are coming from the United States, Canada, Australia or Japan, despite the fact that these countries provide similar facilities and instruments themselves. It clearly demonstrates the uniqueness and strength of the European Photon and Neutron research environment.



How often do users show up at the facilities?

Some users visit several facilities more than 30 times within 2 years, but the vast majority of our users show up at most twice in a 2 year time span. They are still using our services, submit proposals, access data or simply collaborate. This strongly emphasizes the need for an advanced identity management and remotely accessible services of all kind. Roughly 1/3 of the users are first time users. Though results are still preliminary, that would indicate an increase of user in the order of 10.000 per year. To estimate the increase of active users more data are needed.



Gender and Age of our users

Roughly 30% of the users (with uniquely known gender) of the neutron and photon facilities are women, but for young scientists the ratio of female scientists is significantly higher. For 13% of the users the gender has not been recorded or could not be revealed, and roughly 5% appear as males in some databases and females in some others. The vast majority of the users are 40 years old or younger.

