

Summary: NASE STATISTICS

NASE organized (**December 2021**)

- 265 international courses, in 54 countries
- 66 courses in co-operation, in 8 countries more
- Total 66 countries

NASE prepared (**December 2021**)

- 73 NASE local working groups had been created involving 866 NASE members (41 IAU members and 825 non IAU members)
- 8939 teachers involving between 5 139 450 and 10 278 900 students (in average a teacher between 100 and 200 students per year)



Africa

Countries	from	LWG	Courses	Teachers	Students
<i>Algeria</i>	2021	1	2	39	7 800
<i>Benin</i>	2021	1	1	17	3 400
<i>Egypt</i>	2020	1	1	33	13 200
<i>Etiopia</i>	2018	1	2	63	47 000
<i>Ghana</i>	2013	1	2	50	84 800
<i>Kenya</i>	2013	1	2	68	83 200
<i>Mauritania</i>	2021	1	1	11	2 200
<i>Sao Tome/Prince</i>	2021		1	18	3 600
<i>Senegal</i>	2019	1	3	57	23 000
<i>Tanzania</i>	2019	1	2	52	32 600
<i>Togo</i>	2020	1	3	25	12 200
<i>Tunisia</i>	2017	1	1	48	48 600
<i>Uganda</i>	2019	1	2	62	37 200
<i>Zambia</i>	2019	1	1	24	14 400
14		13	24	567	413 200

Asia

Countries	from	LWG	Courses	Teachers	Students
<i>Armenia</i>	2019	1	1	27	21 600
<i>China</i>	2013	1	5	217	234 200
<i>India</i>	2021	1	3	99	19 800
<i>Indonesia</i>	2016	2	5	229	120 600
<i>Iran</i>	2019	1	22	778	216 800
<i>Japan</i>	2019	1	2	38	21 600
<i>Malaysia</i>	2021	1	1	9	1 800
<i>Mongolia</i>	2019	1	2	69	19 000
<i>Philippines</i>	2020	1	3	244	68 400
<i>South Korea</i>	2021	1	2	39	7 800
<i>Thailand</i>	2019	1	2	165	73 200
11		12	48	1 914	804 800

America

Numbers NASE summary

Countries	from	LWG	Courses	Teachers	Students
<i>Argentina</i>	2010	7	29	943	1 309 000
<i>Bolivia</i>	2012	2	4	317	516 200
<i>Brazil</i>	2012	4	6	261	334 800
<i>Chile</i>	2017	1	2	88	42 200
<i>Colombia</i>	2009	4	22	809	1 106 200
<i>Cuba</i>	2014	1	2	51	70 800
<i>Ecuador</i>	2009	1	11	583	635 400
<i>Guatemala</i>	2012	1	12	521	595 600
<i>Honduras</i>	2011	1	10	581	644 400
<i>Mexico</i>	2013	2	9	272	302 200
<i>Nicaragua</i>	2010	1	11	399	580 600
<i>Panama</i>	2011	2	8	176	183 400
<i>Paraguay</i>	2011	1	8	217	320 400
<i>Peru</i>	2009	2	7	341	590 500
<i>Puerto Rico</i>	2019	1	1	45	27 000
<i>Rep. Dominicana</i>	2020	1	2	162	18 400
<i>Salvador</i>	2019	1	3	75	43 800
<i>Uruguay</i>	2012	1	3	81	150 400
<i>USA</i>	2015	2	3	56	35 800
<i>Venezuela</i>	2021	1	1	285	57 000
20		34	154	5 448	7 787 300

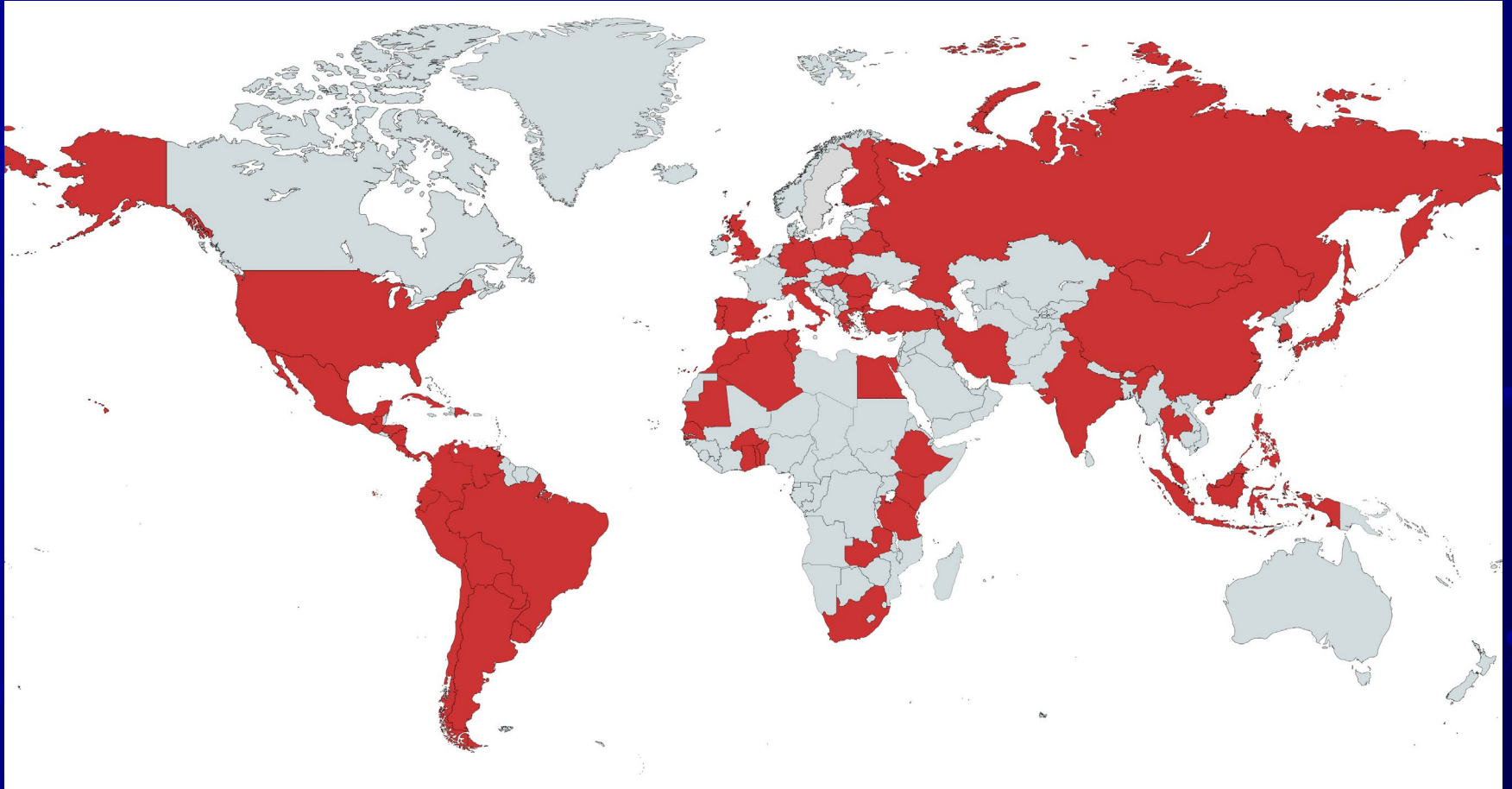
Europe

Countries	from	LWG	Courses	Teachers	Students
<i>Belarus</i>	2021		1	26	3 200
<i>Bulgaria</i>	2021	1	1	46	9 200
<i>Greece</i>	2021	1	2	283	56 600
<i>Hungaria</i>	2021	1	1	16	3 200
<i>Portugal</i>	2018	2	6	78	33 600
<i>Romania</i>	2014	1	8	212	230 000
<i>Russia</i>	2019	2	8	198	89 400
<i>Spain</i>	2016	5	11	352	152 200
<i>Turkey</i>	2021	1	2	19	3 800
9		14	40	1030	1 322 400

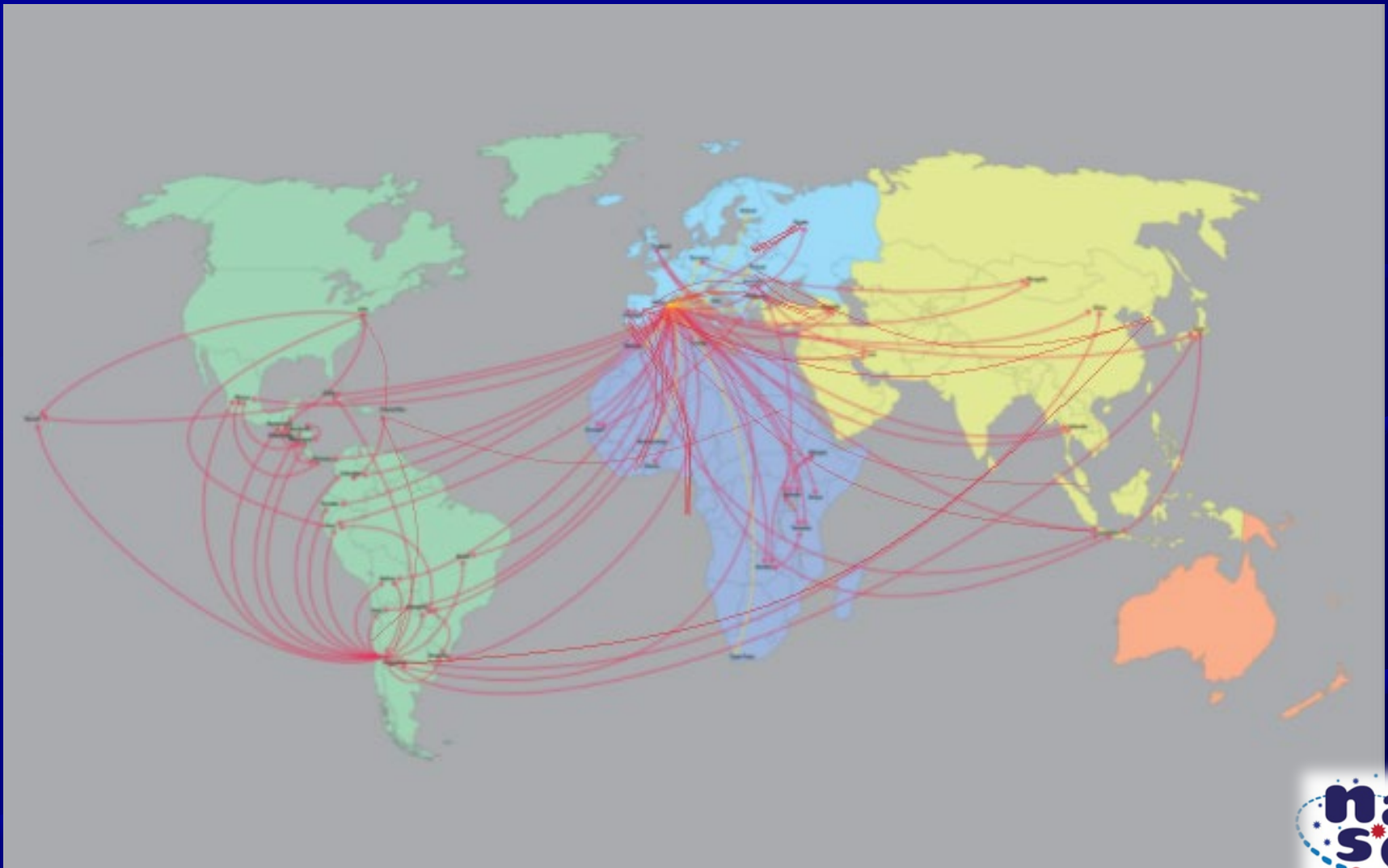
Courses (December 2021)



Countries (December 2021)



Connexions (December 2021)



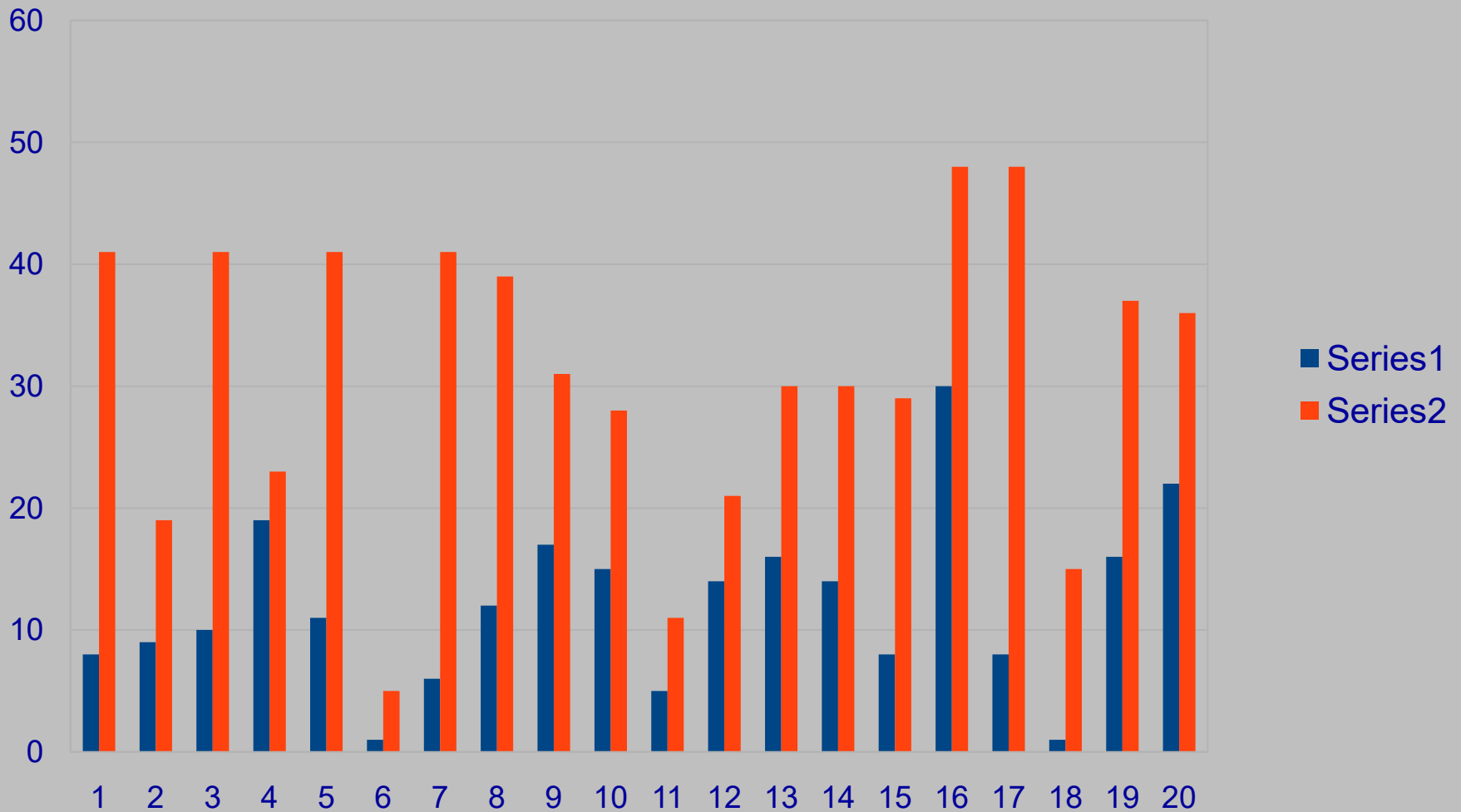
3 types of Evaluation:

- * 1) **satisfaction** when the course finishes
- * 2) **pre-post** evaluation at the beginning and at the end of the course
- * 3) **retrospective** opinion questionnaire after several years



2) pre-post results

NASE2016-Mendoza-Evaluation Pre-Post



3) retrospective questionnaire:

Have you applied any of the lessons done?

Yes	No
90%	10%

Have you used the documentation given in the training session?

Yes	No
94%	6%

After the course, has your concept about astronomy changed?

Yes	No
88%	12%



3) retrospective questionnaire:

Which of the final objectives of the project do you think are really covered by the lessons?

	Yes	No
Using astronomy to promote education and provide pupils with skills in science and technology worldwide	100%	0%
Promote respect for cultural astronomy and learn the presence of astronomy in daily life	94%	6%





"I hear and I forget.
I see and I learn.
I do and I understand "

Confucius 551 aC – 478 aC



**Thank you
very much for
your attention!**

<http://www.naseprogram.org>

