

## **WG report Network for Astronomy School Education-NASE 2017.**

R.M. Ros & B. García. President & Vice –president of NASE "on behalf of 479 NASE members in 34 Local NASE Groups", International Astronomical Union

Report for the period Jan to Dec 2017

The Network for Astronomy School Education, NASE, organizes courses for secondary and primary school teachers in different continents. The main goal of NASE is to organize courses for teachers in the language that they normally use. A small group of two or three members of NASE visit the country and they teach the course in cooperation with IAU members in the country (if there are any) and any teachers interested in astronomy. These people form a new local NASE working group and they repeat the course at least once per year. Of course, they are invited to cooperate with NASE in other courses and in the creation of new materials. The local NASE working group cooperates with local institutions (Ministry of Education, Universities and/or Observatories, Teachers Associations).

The educational resources and course materials are in several languages: English, Spanish, Portuguese, Chinese Mandarin, Romanian, Indonesian, French and we are translating into other languages.

The basic course is the same in all countries, with the respective changes on latitude and longitude. Every course includes a special session on "Cultural Astronomy and Astronomy in the city" in order to show the particularities of the site. This part is prepared by local astronomers in cooperation with archaeo-astronomy members of the IAU. Other special courses were also created. We have courses of 4, 3 or 2 days related to more particular topics. Further information can be found at <http://www.naseprogram.org>.

We organized 10 courses in 2017 in 4 different continents (Africa, America, Asia and Europe):

- 103 Tunis (Tunisia), November 14<sup>th</sup>-17<sup>th</sup>
- 102 Shuizuishan (China), November 2<sup>nd</sup>-3<sup>rd</sup>
- 101 Cluj (Rumania), October 30<sup>th</sup>- November 4<sup>th</sup>
- 100 Ping Tang (China), October 16<sup>th</sup>-20<sup>th</sup>
- 99 Managua (Nicaragua), July 24<sup>th</sup>-26<sup>th</sup>
- 98 Guatemala (Guatemala), June 22<sup>th</sup>-24<sup>th</sup>
- 97 Jujuy (Argentina), June 8<sup>th</sup>-9<sup>th</sup>
- 96 Foz de Iguacu (Brazil), Mai, 21<sup>th</sup>-26<sup>th</sup>
- 95 Salta (Argentina), April 24<sup>th</sup>-27<sup>th</sup>
- 94 Tena (Ecuador), March 6<sup>th</sup>-10<sup>th</sup>

We organized several courses in cooperation: three workshops in Brazil and one in Argentina in 2017.

We have published:

- 14 steps to the Universe 2017, Ed. Rosa M. Ros & M. Kay Hemenway, 2<sup>nd</sup>

edition

- 14 pasos hacia el Universo 2017, Ed. Rosa M. Ros & Beatriz García, 2<sup>nd</sup> edición
- Rosa M. Ros & Beatriz García, Sun and eclipses, 2017 (Ed. by CONICET, Argentina)
- Rosa M. Ros & Beatriz García, Sol y eclipses, 2017 (Ed. by CONICET, Argentina)