

B2-C1-C2 WG Data Driven Astronomy Education and Public Outreach-DAEPO -2017

Report for the period Jan to Dec 2017

Chair: Chenzhou Cui

After its official announcement in April, the DAEPO working group has obtained some achievements. A brief summary will be given in the following.

In May, 2017, Chenzhou Cui introduced the IAU WG DAEPO at the International Virtual Observatory Alliance (IVOA) Interoperability Meeting in Shanghai, which was the first time a presentation about DAEPO was given at an international meeting. At the meeting, Chenzhou was elected as the Chair of IVOA Education Interest Group (IVOA EduIG).

In July, Chenzhou and Shanshan Li attended to the first International Symposium on Education in Astronomy and Astrobiology (ISE2A) in Utrecht in the Netherlands. They gave two presentations on DAEPO and related activities from Chinese Virtual Observatory (China-VO).

In October, the ADASS and IVOA Fall Interop were held in Santiago, Chile. A bird of a feather (BoF) session on Data-driven and VO-enabled Education and Citizen Science was organized by Chenzhou. In the BoF session, Ms. Janet Evans, Mr. Jonathan Fay and Dr. Chenzhou Cui presented their work relating to DAEPO. Participants shared their experience and discussed how to efficiently leverage the data and VO-tools at hand to design and carry out education activities and citizen science projects.

In November, the first South Africa - China Bilateral Workshop on Big Data Astronomy and the Astroinformatics 2017 was held in Cape Town. Feedback from audiences of the above events was very positive. The DAEPO initiative is considered very impressive and promising. The DAEPO has the potential to be an important new direction and new thinking for Astronomy education and public outreach.

The 4 DAEPO members discussed future work plans in detail. Including building a formal website for the WG First and keep collaborations and resource sharing with existing scientific bodies including EPO bodies, professional astronomers and technical (VO, ADASS, Astroinformatics, etc.) bodies.

On the IAU GA in Vienna, Sze-leung Cheung (SOC co-Chair), president of IAU OAO, will host a Focus Meeting (FM14) with the title "IAU's role on global astronomy outreach, the latest challenges and bridging different communities". All the DAEPO members are encouraged to contribute to the meeting.