Report on the outcomes of a presentation and participation in a ITC Conference[1]

Action number: CA21126

Grantee name: Anni Kasikov

Conference Details

Conference title: European Astronomical Society Annual Meeting

Conference web-page: https://eas.unige.ch/EAS_meeting/

Conference venue[2]: Lausanne, Switzerland

Accepted contribution details

Title of the presentation: Stellar neighbourhoods of yellow supergiants and hypergiants in the Milky Way

Co-authors:

Other details of the presentation: specify here any additional details related to the contribution (e.g. title of the session / track of the conference programme in which the contribution is accepted)

On July 1st, part of S13a: Massive supergiants in focus: single, binary and stellar merger pathways across the Hertzsprung Russell Diagram

Outcome of the conference participation

Description of the outcome of the presentation of the accepted contribution, in terms of grantee's visibility, including the establishment of new contacts for future collaborations

(max.500 word)

I gave a talk on the results from my latest paper on the stellar enviroments of yellow

super- and hypergiant stars and additionally I covered some new results on my investigation of the circumstellar envirnments of these stars based on a spectroscopic near-ulraviolet to near-infrared survey of these stars in the southern sky. The talk was well attended (I would estimate 40-50 people in the room), and it was also recorded, the recording is available for all registered conference participants.

I was very happy that I was able to discuss my reasearch with Dr Lee Patrick and Dr Ignacio Negueruela. I also had a wonderful conversation with Dr René Oudmaijer about the circumstellar

[1] This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the Grant Holder Manager to verify the grant documents compliance and proceed with the payment.
[2] For an online conference, specify virtual participation; for hybrid conferences, specify whether it is an in-person or virtual participation.

environments of yellow hypergiants, as he is an expert onmodeling the ejecta of these massive stars, we agreed to keep in touch and collaborate on my ongoing project. Additionally, I met PhD students working on similar research questions, and especially I had a great discussion with Cormac Larkin, Daniel Jadlovský, and Wasif Shaqil about mass loss, hydrodynamic simulations, and probing the ejected matter and binary companions with the Very Large Telescope Interferometer.

As the EAS meeting is a huge conference, I took advantage of learning more about upcoming large-scale projects and surveys: how to use the Gaia data release 4, what are the possibilities with the data coming from soon-to-be-lanched Nancy Grace Roman space telescope, and what is the status of the large spectroscopic surveys WEAVE and 4MOST. I also attended sessions on using the Very Large Telescope Interferometer, and I discussed ideas and feasibility of writing an observing proposal for my target sample with some experts in this field.

Acknowledgement of inclusion of necessary supporting documents to claim the grant

I confirm that the following documents have been uploaded on e-COST as an integral part of this report:

- the certificate of conference attendance issued by the conference organiser.

- the programme of the conference or book of abstracts / proceedings indicating the presentation (oral) of the grantee.