

Promoting night sky in natural parks of Tuscany

This Initiative is a follow up of the activities performed by IBIMET in 2017-2018 about ALAN monitoring and organization of public events for raising awareness about light pollution and its effect on the environment. The final result of this activity was the organization of the symposium on protection and promotion of night sky (<http://capraianightsky2018.com>) held in Capraia Island (IT), 13-14 September 2018, in collaboration with the University of Pisa and Attivarti.org and with the support of the Stars4all project. The symposium was a success far beyond our expectations. It hosted 35 participants from Europe, Turkey, Canada and Malaysia, talking (32 presentations) about topics covering technical aspects of night sky quality measurement, the development of innovative sensors, the impact of light pollution in ecology, outreach and citizen science initiatives, and case of integrated promotion of territories. In Capraia Island we also organized in summer 2017-2018, 4 night time excursions for raising tourists awareness about the topic of light pollution by doing practical measurements and observations (average participation around 40 persons). All these activities raised the interest of local administrators of Capraia Island in the Parco Nazionale dell'Arcipelago Toscano and of a natural park in the mainland Parco Regionale Migliarino S. Rossore Massaciuccoli (PMSRM), both showed interest in promoting public events, monitoring campaign for assessing level of light pollution and taking into consideration actions for improving night sky quality in view of getting international certification. The first concrete action towards this goal has been the setup of two additional sky quality meters (SQM) at PMSRM in October (see figure 1 and 2) to the the one set in Montecristo Island since 2015 (fig. 3).

This project aims to support these activities for the next year summarized in the list action can be summarized as follows:

- Maintenance of SQMs set in PMSRM till the end of 2019
- Installation and maintenance of SQM in Capraia Island and other sites that show an interest in the topic
- Data analysis and reporting to local and park authorities
- Organization of public events for raising awareness of the general public and administrators
- Presentation of the results to national or international events

Fig. 1





Fig.2



Fig. 3