We find ourselves at a crossroads where many of our planet’s most critical scientific and environmental challenges are occurring when we are not well prepared to address them. Global climate change, loss of nightscape, rising sea levels, changing weather patterns, collapsing fisheries, and habitat losses are real threats to the world-wide economy and our way of life.

At the same time, youth continue to fall further behind their global peers in science and math, resulting in the threat of a future where fewer Earth-citizens are prepared for careers that will address these challenges.

The IAU recognized this perilous track and organized this working group, which gives a broad mandate to educate the public about night-scape, astronomy science and stewardship through achieving sustainable development within a quality lighting framework.

Our WG's proposal focus is on education for achieving sustainable development within a quality lighting framework, since through educating future citizens we will help reorient education towards sustainable development, as this will empower the world's 60 million teachers to become key agents of change, and through them reach local – global authorities and change the situation.

For this reason, our objective is to “Establish a National Contact in each country with active members of the Commissions C.C1 and C.B7, through the main observatory of the country or other institution willing to support the activities of the National Contact, with the commitment to the transfer and sharing of knowledge.”

We propose to use as a tool the following successive programs, as good practices and as a source of organized integrated knowledge:

1. Globe at Night (https://www.globeatnight.org/)
2. Cosmic Light EDUKit (http://nuclio.org/cosmiclightedukit)
3. IYL Quality Lighting Teaching Kit (http://www.noao.edu/education/qltkit.php)

We intend to establish a strong professional network with pre-service teacher courses as well as the in-service education of teachers at all levels, education policy-makers, and authors of educational materials, with a final target being to integrate the concept of quality lighting and to bring the topic of Light Pollution to the national educational environmental curriculum.

Already a strong team from all over the world has been gathered as a first nucleus for this initiative. We all hope and count on more participation so as to achieve our goals.

Margarita Metaxa, Richard Green, Constance Walker and Beatriz García

16 November 2016