

**IAA Severo Ochoa Meeting: Addressing Key Astrophysical
Questions from Granada**
18th-21st October 2022

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“The SKA and its Regional Centres”

The SKA Observatory (SKAO) is building the two largest radio telescopes in the world, in an international effort to revolutionise our view of the radio sky. Born from an ambition to trace the formation of the earliest galaxies, observing this era via the very weak emission from neutral hydrogen atoms will be possible only by using a collecting area of unprecedented size: large enough not only to provide a window onto Cosmic Dawn but also to explore new frontiers in galaxy evolution and cosmology, cosmic magnetism, the laws of gravity, extra-terrestrial life and – in the great tradition of radio astronomy – the unknown. Telescope construction activities have now begun and, in a truly global collaborative effort, preparations are underway to build the required data infrastructure and prepare the scientific community for access to it. I will talk about the status of the SKA Observatory, the plans for SKA Regional Centres, and the role of Open Science.