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Galaxy/AGN Evolution: ongoing activities towards the SKA - 25'

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Nowadays deep radio surveys reach micro-Jy level flux densities detecting mainly star-forming galaxies and radio-quiet AGN. These are the classes of objects which have been studied for decades in the infrared, optical and X-ray bands. Moreover, radio observations are unaffected by absorption and therefore are sensitive to all kinds of AGN independently of orientation (e.g. Type 1s and Type 2s) and provide a dust-unobscured view on star formation achieving a better resolution than that obtained in current deep far-IR surveys. For these reasons radio observations provide a complementary and important tool to investigate the galaxy/AGN co-evolution throughout cosmic time. In this presentation I will summarize some recent results obtained from the VLA-COSMOS 3 GHz Large Project.

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Session Classification: Science with SKA Precursors and Pathfinders