



LOFAR



POLFAR

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## **The case for LOFAR2.0 Greece**

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We provide preliminary information and expression of intent behind organising, building and sustaining LOFAR2.0 radio station in Greece. With the Bulgaria and Italy stations in the planning, and the development of LOFAR2.0 in the next couple of years (expanding the bandwidth and exploring the long baselines for higher resolution studies), the involvement of Greece in this distributed facility is timely. LOFAR science addresses a number of areas from astrophysics and particle physics to ionosphere studies and space weather, as well as Earth applications. Greece has exceptional scientist working on a wide area related to key science projects (KSPs) of LOFAR and can play an important role and be a valued partner and contributor.