



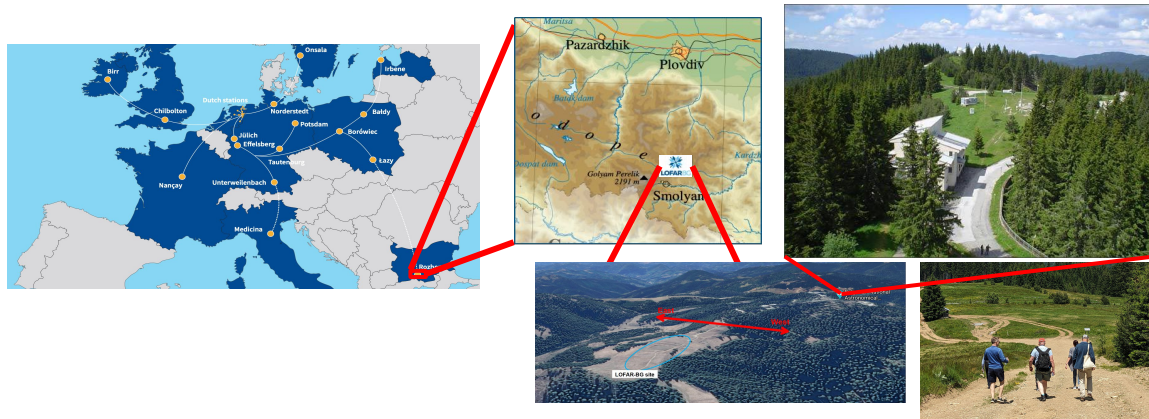
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# LOFAR-BG



## the South-easternmost station of LOFAR ERIC: status update

**Station location:** Next to the Rozhen National Astronomical Observatory, in the Rhodopi Mountains in the south of Bulgaria.



**Fig. 1.** The location and images of the LOFAR-BG. Top left: LOFAR-BG on the map of Europe (Credit: Astron). Top middle: Position of the station in Bulgaria. Top right: Rozhen Observatory (Image by P. Markishki). Bottom: Aerial view of the site (left) and ground view (right). Images by K. Kozarev.

# Status of LOFAR-BG

**LOFAR-BG is part of the National Roadmap for Research infrastructure. The consortium is also a founding member of LOFAR ERIC.**

Current activities include: work on station terrain; preparation of local infrastructure; developing the signal backend system (both hardware and software) for single-station observing; working on high-speed (100 Gbps) connectivity to the station; training of students.

The building of the station and start of operations are planned for 2025.

Phase/Year	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Preparatory	Yellow	Yellow	Yellow										
Infrastructure and Rollout				Red	Red								
Scientific exploitation			Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
LOFAR ERIC Participation			Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

**Table 1.** Long-term plans for LOFAR-BG.

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