

Unravelling the secrets of low clouds during the dry season in Gabon

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Tropical rain forests in Gabon are peculiar in that they exist in a „light deficient“ environment. Unlike the large Congo rain forest, a persistent low-level cloud cover is present during the major dry season apparently enriching the biodiversity and stability of the Gabonese rain forest against climate variations. The MSc thesis is a pilot study for a Franco-German research proposal currently under review. In the thesis, a smart use of satellite products and SYNOP cloud observations shall result in a sub-daily statistic of low-level cloudiness in Gabon and neighbouring countries. The study shall thus contribute to the planning of a field campaign in Gabon in summer 2021.

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