



Our ref.: 10395/2018/RES-WCRP

11 April 2018

Subject: WCRP endorsement letter for field study EUREC⁴A

To whom it may concern:

I am writing on behalf of the World Climate Research Programme to express our strong endorsement to EUREC⁴A, an atmospheric and oceanic field study to "Elucidate the Role of Coupling between Clouds Circulation and Climate" scheduled to take place over, and in, the Western Tropical Atlantic, in January/February 2020.

EUREC⁴A is an ambitious and exciting initiative, as it is expected to provide important observational constraints on cloud feedbacks, quantify how shallow clouds influence the atmospheric circulation, clarify the main ways through which the atmosphere and the ocean interact on the mesoscale, and the implication of the aforementioned for climate and climate change. In addition, EUREC⁴A is expected to serve as a benchmark for an exciting new generation of coupled models and satellite remote sensing instruments, tools which offer the best chance for breaking through stubborn cloud deadlocks that have hindered progress in climate science over the last decades, and our best hope for winning wholly new insights into the role of small scale atmosphere and ocean processes in the climate system.

EUREC⁴A is a capstone experiment of the World Climate Research Programme's Grand Science Challenge on Clouds Circulation and Climate Sensitivity. As a major international initiative with the potential for scientific breakthrough, for enhancing international and interdisciplinary cooperation, and for delivering benchmark data for emerging instruments and models, EUREC⁴A has the strong endorsement of WCRP. We strongly encourage all with the potential to be involved to act in ways that help maximize the opportunity and synergies the EUREC⁴A field initiative presents to the community.

We remain at your disposal should you require additional information on this exciting initiative.

Yours faithfully,

A handwritten signature in black ink, which appears to read 'D. Terblanche', is written over a horizontal line.

(D. Terblanche)
Acting Director, WCRP