



January 7, 2021

To Whom It May Concern,

I am writing to indicate my support for Mohamadou Diallo's candidature for a CNRS position. He has proposed an exciting program of research into the predictability of atmospheric conditions relevant to renewable power. His plan to apply machine learning techniques to identify key modes of climate variability and dynamical processes has the potential to substantially improve subseasonal to seasonal predictions of wind and solar power generation. Developing this capacity is essential as the energy transition unfolds and our climate warms. I look forward to collaborating with Dr. Diallo on this important scientific project.

I am at present coordinating a new community effort through the WCRP SPARC activity, SNAP (the Stratospheric Network for the Assessment of Predictability) of direct relevance to Dr. Diallo's proposed work. This project involves a set of targeted numerical experiments designed to isolate the stratospheric influence on surface weather in sub-seasonal to seasonal forecast models. To date, nine operational centers across the world have indicated their interest in participation. The current timeline is to have these experiments completed by summer of 2021, and I hope that Dr. Diallo could apply his toolset to the analysis of the resulting dataset. These experiments would provide a valuable context for many of Dr. Diallo's research activities.

I would be happy to provide any further information that may be needed.

Sincerely,

A handwritten signature in black ink, appearing to read "P. Hitchcock", with a stylized flourish extending from the end.

Peter Hitchcock

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