

## **Centre of Excellence in Simulation of Weather and Climate in Europe**

### **Summer School on Effective HPC for Climate and Weather**

Dear Committee,

I am writing to request your financial subsidy in order to attend the minimal registration for the Summer School on Effective HPC for Climate and Weather. The reason of my request is that currently I have limited budget for travel in the larger project which my PhD project is part of.

I am currently a PhD student at Technical University of Denmark (DTU). I've been accepted for this position to develop a project entitled *Mesoscale Modeling of Future Climate Impacts on Variable Renewable Energy Generation and Energy Systems* and I started it in October last year. I came from Brazil with my partner to pursue the dream job. Since we applied all our savings for the visa process and for the first month living in a Scandinavian/expensive country, I unfortunately can not afford travel expenses by myself for a while.

My first year of PhD includes many courses, with some of them planned to be external to DTU. I have taken a course last January, in Boulder – USA. It was a Weather Research and Forecasting (WRF) training, which is essential to my project due to WRF being the model I will be using to produce my climate scenarios. For this travel I have spent almost half of my budget for travel. I was supposed to take a parametrization course at ECMWF next April, but it was canceled due to Coronavirus safety procedures and unfortunately I had no refund for the flight tickets. Now I have budget for two conferences which I need to attend in order to complete dissemination work for my PhD project, and for partially pay this summer school that I thought particularly interesting and very useful for my work.

My purpose on taking this course is to learn how to make an effective use of computational resources at DTU while working on my PhD project. I would also like to have insights during the course about useful tools and recent techniques that I could apply on my project. I would be very happy to disseminate the knowledge acquired after attending the course.

Please, let me know if you need any other information.

Thank you for your time and consideration.

Sincerely,

  
Graziela Luzia da Costa