

Online Franco-African Seminar in Digital Sciences - LIRIMA
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Digital Science and environment - From geophysical flow modeling to the environmental impacts of digital science

Abstract

For the preservation of the environment, ICT is both part of the problem and part of the solution:

- part of the problem because the environmental impacts of ICT, although hidden, are real and growing rapidly,
- part of the solution because digital modelling, optimization, data provision, development of decision support tools can contribute significantly to the preservation of the environment.

This presentation will seek to illustrate these two aspects. The presentation will start by presenting the results and scientific challenges for the numerical simulation of ocean flows and certain natural hazards. Secondly, we will discuss the profound changes required to master the environmental impacts of digital technology.

Biography

Research director at Inria, Head of the ANGE team from 2012 to 2019 and deputy scientific director of Inria since the end of 2019, in charge of issues related to the environment and energy.