



Energy dynamics and climate stabilization



**Cédric
PHILIBERT**

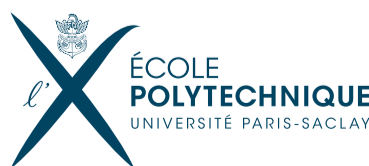
Renewable Energy Division,
International Energy Agency

**lundi
19 octobre
2015**

École polytechnique
Amphi. Becquerel
16h 00

Départements de Mécanique

Can the world peacefully transition from an economy dominantly based on fossil fuel use, towards an economy based on sustainable clean energy sources, notably renewables such as hydropower, wind and sun? This would be the key to mitigate climate change, as manmade greenhouse gas emissions predominantly originate from energy production and use. Recent technology development and deployment, with massive cost reductions for renewable power, gives reasons for hope that may facilitate an ambitious – if not likely binding – climate agreement at COP21. However, the road is still long before renewables dominate over fossil fuels to run the global economy. And skeptics say renewables will only add to the current resource basis but not displace fossil fuels, and thus not allow for reducing emissions.



& Physique • www.coriolis.polytechnique.fr

Conférence de l'Institut Coriolis pour l'Environnement de l'École polytechnique