



Chaire Économie Industrielle de
l'Émergence en Afrique



Power to Empower Emerging Africa

Issues, and policy options for a new energy-development paradigm

March 5th-6th 2020, UM6P, Conference Center, Benguerir, Morocco

Energy is central to nearly all major socio-economic challenges faced by developing and emerging countries, particularly in Sub-Sahara Africa. With more than 60% of the population lacking access to modern form of energy, of which 80% in rural areas, limited and unreliable access is a major threat to the sub-continent overall growth prospects. Sustaining noticeable current socio-economic progress, energy demand is expected to rise at an unprecedented pace calling for a landmark increase in generation, transformation, transportation and access capacity. Against this background, innovative economic, technological, organizational and regulatory solutions open opportunities to embark in a novel energy-development paradigm.

Researchers, energy experts, and policy makers from public, private, and civil society are invited to expose their view and analysis on current potentials, new windows of opportunities and discuss policy options informed from current cutting-edge research.

Organizers:

Anna Creti, [Climate Economics Chair](#), Institut Louis Bachelier (Université Paris Dauphine, PSL)

Jean Pierre Ponssard, [Energy and Prosperity Chair](#), Fondation du Risque (CNRS-Ecole Polytechnique)

Pierre Noël Giraud [Industrial Economics of Emerging Africa Chair](#) (Université Mohamed VI Polytechnique, Mines ParisTech, PSL)

Ahmed Tritah, [Industrial Economics of Emerging Africa Chair](#) (Université Mohamed VI Polytechnique, Mines ParisTech, PSL) and [Energy and Prosperity Chair](#)

Coordinator: Ahmed Tritah, ahmed.tritah@mines-paristech.fr

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Program outline

THURSDAY MARCH, THE 5TH, MORNING

8h00-8h30 Participants welcoming and registrations

Welcoming address – 8h30-9h00

Hicham El Habti, *General Secretary, Mohamed VI Polytechnic University (cancelled)*

9h00-10h00

Session 1. Leveraging the development impact of energy: households and firms' channels

Chair : El Hadji Ibrahima Sall, *Président, Commission d'Evaluation et de Suivi des Politiques Publiques, Cabinet de la Présidence du Sénégal*

Jörg Peter, *Professor Head, Research Group, "Climate Change in Developing Countries" RWI*

"A perspective on the growing literature on the impacts of electrification"

Jeremy Tanguy, *Assistant Professor, University of Savoie Mont-Blanc*

"Rural electrification and child labor in Nigeria: the role of electricity end-uses"

10h00 10h30 Young researcher poster session

11h00-11h30 Coffee-break

11h-12h30

Session 2. Policy and regulatory framework

Chair : Anni Creti, *Professor, Université de Paris Dauphine, Director Climate Economics Chair*

Geoffrey Barrows, *CNRS Researcher, CREST Ecole Polytechnique*

"Market Power & Incomplete Regulation: An Application to the EU ETS"

Nguyen-Van-Phu, *Research Director, CNRS, Beta, Université de Strasbourg*

"Institutions and geography: A 'two sides of the same coin' story of primary energy use in Sub-Saharan Africa"

Vijay Modi, *Professor, The Earth Institute, Columbia University, Director, Infrastructure Programs, Millennium Villages Project, New York*

"Distribution companies: can't live with them, can't live without them."

12h30-14h00 Lunch

THURSDAY MARCH, THE 5TH, AFTERNOON

14h00-15h00 Keynote Speaker

Chair : **Ahmed Tritah**, *Associate Professor, UM6P-Mines Paris Tech, co-head Industrial Economics of Emerging Africa Chair, Chair Energy and Prosperity*

Daniel M. Kammen, *Professor, Director of RAEL, Chair in Energy, U. of Berkeley*

15h00-15h30 Coffee-break

15h30-17h00

SESSION 3 - POLICY SESSION

The future of energy-development nexus in the context of climate change

Chair: **Jean Pierre-Ponssard**, *Professor, Ecole Polytechnique, Director, Energy & Prosperity Chair*

M. Mouhamadou Makhtar Cisse, *Senegal Ministry of energy (cancelled)*

Giuseppe Montesano, *Deputy Director of Enel Foundation*

Youssef Khoumrany, *Engie, DGA Engie Service Maroc, Chief Business Development Customers Solutions for Africa*

Rebekah Shirley, *U. of Berkeley, Director of research Power For All*

Faraoun Malik, *Director, Themis Energy*

Vijay Modi, *Professor, The Earth Institute, Columbia University, Director, Infrastructure Programs, Millennium Villages Project, New York*

FRIDAY, MARCH THE 6TH, MORNING

9h-10h30

Session 4. Harnessing Africa energy resource potential for sustainable development

Chair : **Philippe Delacote**, *Research fellow, National Institute of Agronomic Research, Laboratory of Economics of Forestry*

Rebekah Shirley, *U. of Berkeley, Director of research Power For All*

“Africa's energy access workforce of the future”

Mouez Fodha, *Professor, Paris Sorbonne School of Economics*

“Natural resources and energy transition”

Fabien Prieur, *Professor, University of Montpellier*

“Stochastic petropolitics: the dynamics of institutions in resource-dependent economies”

11h00-11h30 Coffee-break

11h-12h30

Session 5. New technological and business models

Chair : Jörg Peter, *Professor, Head, Research Group, "Climate Change in Developing Countries" RWI*

Juan Miguel Gallego Acevedo, *Associate Professor, Universidad del Rosario, Bogota*

“Prepaid electricity and in-home displays: an alternative for the most vulnerable households in Colombia”

Prudence Dato, *Researcher, University of Basel, Competence Center for Research in Energy, Society and Transition*

“Intermittent renewable electricity generation with smartgrids”

Maria Eugenia Sanin, *U. Evry, Université Paris-Saclay*

"Access to energy and other infrastructure services in Latin America: putting the last mile first"

12h30-14h00 Lunch

15h-19h : Excursion to Marrakech

19h-23h : [Dinner Chez Ali \(with invitation, speakers only\)](#)

POSTER SESSION

A poster session will be held during the two days and will be presented by young researchers and PhD students. All participants are kindly invited to go through the presentations and discuss with the researchers.

Akil Amiraly, *Ecole Polytechnique*

The role of early customers and managers in the diffusion of solar photovoltaic systems, Bangalore (India): A case study of SELCO bringing its rural solution to an urban niche market

Mamadou Barry, *Université Paris Dauphine, Climate Economics Chair*

Does financial inclusion facilitates the adoption of solar panel? Evidence from Tanzania

Gwen Jiro Clochard, *Ecole Polytechnique*

Is Ethnic Diversity a Tragedy for Public Good Provision in Africa?

Quentin Hounyonou, *Mohamed VI Polytechnic University, Mines ParisTech*

How does electricity impact householdconsumption?: evidence from Tanzania

Miriam Kettani, *CEA, Evry University*

Shedding light on Moroccan household energy expenditures

Alpha Ly, *Mohamed VI Polytechnic University, Mines ParisTech, Industrial Economics of Emerging Africa Chair*

Rural Electrification and Deforestation Dynamic : Evidence from Côte d'Ivoire