Ivan Nygaard - DTU Orbit (18/11/2018)

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Research outputs:

The uptake and diffusion of solar power in Africa: Socio-cultural and political insights on a rapidly emerging socio-technical transition
Research output: Research - peer-review › Journal article – Annual report year: 2018

Flood management in urban Senegal: an actor-oriented perspective on national and transnational adaptation interventions
Research output: Research - peer-review › Journal article – Annual report year: 2018

Market for the integration of smaller wind turbines in mini-grids in Kenya
Research output: Research › Report – Annual report year: 2018

Market for the integration of smaller wind turbines in mini-grids in Tanzania
Research output: Research › Report – Annual report year: 2018

Market for the integration of smaller wind turbines in mini-grids in Uganda
Research output: Research › Report – Annual report year: 2018

Off-grid access to electricity innovation challenge
Research output: Research - peer-review › Report chapter – Annual report year: 2018

Sustainability transitions in developing countries: Stocktaking, new contributions and a research agenda
Research output: Research - peer-review › Journal article – Annual report year: 2018

System building in the Kenyan electrification regime: The case of private solar mini-grid development
Research output: Research - peer-review › Journal article – Annual report year: 2018

The rise and fall of foreign private investment in the jatropha biofuel value chain in Ghana
Research output: Research - peer-review › Journal article – Annual report year: 2018

Access to electricity in rural Africa - from donor support to innovative business models
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Evolution of the Jatropha Biofuel Niche in Ghana
Research output: Research - peer-review › Working paper – Annual report year: 2017
Feasibility of wind power integration in weak grids in non-coastal areas of Sub-Saharan Africa: the case of Mali
Research output: Research - peer-review › Journal article – Annual report year: 2017

How can we stimulate and exploit a market in Africa for small wind turbines
Research output: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

Measures for diffusion of solar PV in selected African countries
Research output: Research - peer-review › Journal article – Annual report year: 2015

Policy and planning related to climate change in developing countries
Research output: Sound/Visual production (digital) – Annual report year: 2017

Working in a broad partnership in the Kenya Miniwind Project
Research output: Sound/Visual production (digital) – Annual report year: 2017

Exploring product development possibilities and alternative uses of PV solar cells in Ghana
Research output: Research › Report – Annual report year: 2016

Lignocellulosic residues for production of electricity, biogas or second generation biofuel: A case study of technical and sustainable potential of rice straw in Mali
Research output: Research - peer-review › Journal article – Annual report year: 2016

Niche development and upgrading in the PV value chain: The case of local assembly of PV panels in Senegal
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

The emerging market for pico-scale solar PV systems in Sub-Saharan Africa: From donor-supported niches toward market-based rural electrification
Research output: Research - peer-review › Report – Annual report year: 2016

Utility led rural electrification in Morocco: combining grid extension, mini-grids, and solar home systems
Research output: Research - peer-review › Journal article – Annual report year: 2015

Assessment of technical potential and selected sustainability impacts of second generation bioenergy in Ghana
Research output: Research › Ph.D. thesis – Annual report year: 2015

Enhancing Access to Electricity for Clean and Efficient Energy Services in Africa
Research output: Research › Report – Annual report year: 2015

Governance and Community Responses to Floods in Poor Peri-urban Areas: The case of Urban Disaster Risk Reduction and Climate Change Adaptation in Pikine, Senegal
Research output: Research › Ph.D. thesis – Annual report year: 2015

Overcoming Barriers to the Transfer and Diffusion of Climate Technologies
Research output: Research › Book – Annual report year: 2016

Private sector investment in the biofuel value chain in Ghana seen in an innovation system perspective
Research output: Research › Sound/Visual production (digital) – Annual report year: 2016

Prospects for bioenergy use in Ghana using Long-range Energy Alternatives Planning model
Research output: Research - peer-review › Journal article – Annual report year: 2015
Review of solar PV policies, interventions and diffusion in East Africa
Research output: Research - peer-review › Journal article – Annual report year: 2015

The conceptual and practical challenges to technology categorisation in the preparation of technology needs assessments
Research output: Research - peer-review › Journal article – Annual report year: 2015

Measures for diffusion of solar PV are aligned in technology action plans for 6 countries in the African region
Research output: Research › Sound/Visual production (digital) – Annual report year: 2014

Measures for the Diffusion of Solar PV are Aligned in Technology Action Plans for Six Countries in Africa
Research output: Research › Journal article – Annual report year: 2014

Measures identified in technology action plans to enhance national capacity: The case of Solar PV in Africa
Research output: Research › Sound/Visual production (digital) – Annual report year: 2014

Prospects for investment in large-scale, grid-connected solar energy in Africa
Research output: Research › Sound/Visual production (digital) – Annual report year: 2014

Prospects for investment in large-scale, grid-connected solar power in Africa
Research output: Research › Report – Annual report year: 2014

Review of Solar PV Market Development in East Africa
Research output: Research › Article in proceedings – Annual report year: 2014

Review of Solar PV Market Development in East Africa
Research output: Research › Working paper – Annual report year: 2014

Sustainable energy transitions in emerging economies: The formation of a palm oil biomass waste-to-energy niche in Malaysia 1990–2011
Research output: Research - peer-review › Journal article – Annual report year: 2013

Development of biomass power plant technologies in Malaysia: niche development and the formation of innovative capabilities
Research output: Research › Ph.D. thesis – Annual report year: 2013

Enhancing access to green electricity in Africa – The role of off-grid and mini-grids
Research output: Research › Sound/Visual production (digital) – Annual report year: 2013

Transnational linkages and sustainable transitions in emerging countries: Exploring the role of donor interventions in niche development
Research output: Research - peer-review › Journal article – Annual report year: 2013

Agricultural residues for energy production in Mali
Research output: Research › Report – Annual report year: 2013

Applications de production d’énergie éolienne et solaire au Mali : évaluation basée sur les cartes des ressources éoliennes et solaires du Mali
Research output: Research › Report – Annual report year: 2013

Estimation des ressources éoliennes et solaires au Mali
Research output: Research › Report – Annual report year: 2013
Estimation of wind and solar resources in Mali
Research output: Research › Report – Annual report year: 2013

Etude de préfaisabilité d'une centrale électrique à paille de riz
Research output: Research › Report – Annual report year: 2013

Modernizing Bioenergy
Research output: Research › Sound/Visual production (digital) – Annual report year: 2013

Overcoming Barriers to the Transfer and Diffusion of Climate Technologies
Research output: Research › Book – Annual report year: 2012

Pre-feasibility study for an electric power plant based on rice straw
Research output: Research › Report – Annual report year: 2013

Résidus agricoles pour la production de l'énergie au Mali
Research output: Research › Report – Annual report year: 2013

Rural Electrification Approaches in West Africa: Some reflections
Research output: Research › Sound/Visual production (digital) – Annual report year: 2013

Screening of feasible applications of wind and solar in Mali: Assessment using the wind and solar maps for Mali
Research output: Research › Report – Annual report year: 2013

Diffusion of renewable energy technologies: Case studies of enabling frameworks in developing countries
Research output: Research - peer-review › Book – Annual report year: 2011

Business Models for Rural Electrification from Agro-Industries - The Case of Kenya, Tanzania, Rwanda, and Malawi: Revised version
Research output: Research › Report – Annual report year: 2011

Institutional options for rural energy access: Exploring the concept of the multifunctional platform in West Africa
Research output: Research - peer-review › Journal article – Annual report year: 2010

Review of national frameworks for involvement of agro-industries in rural electrification
Research output: Research › Report – Annual report year: 2010

Using modeling, satellite images and existing global datasets for rapid preliminary assessments of renewable energy resources: The case of Mali
Research output: Research - peer-review › Journal article – Annual report year: 2010

Organisation of rural electrification: The case of Burkina Faso
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Review of national frameworks for involvement of agro-industries in rural electrification
Research output: Research › Report – Annual report year: 2009

Rural electrification in Sub Saharan Africa in a context of fluctuating oil-prices
Research output: Research › Article in proceedings – Annual report year: 2009
The compatibility of rural electrification and promotion of low-carbon technologies in developing countries - the case of Solar PV for Sub-Saharan Africa
Research output: Research - peer-review › Journal article – Annual report year: 2009

The Role of Existing SMEs in Developing Low Carbon Energy: The Case of the MFP Programme in West Africa
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Aide mémoire sur les principes d'accordement de la subvention dans l'approche ERD - une réflexion spécifique sur la proposition de mettre en oeuvre les principes de l'Aide Basée sur le Résultat ABR. Rapport de travaille élaboré dans l'assistance technique au Fonds de Développement de l'Electrification, Burkina Faso
Research output: Research › Report – Annual report year: 2008

Aide mémoire sur les principes de tarification appliqués dans l'approche ERD - Analyses et proposition de lignes directrices pour la tarification de centres ERD. Rapport de travaille élaboré dans l'assistance technique au Fonds de Développement de l'Electrification, Burkina Faso
Research output: Research › Report – Annual report year: 2008

Climate change and energy challenges facing developing countries - with special focus on Sub-saharan Africa
Research output: Research › Sound/Visual production (digital) – Annual report year: 2008

External support to local institutions: providing political leverage to weaker groups, or sustaining traditional relations of power?
Research output: Research - peer-review › Journal article – Annual report year: 2008

Future energy systems to cope with climate and energy challenges: Africa
Research output: Research - peer-review › Report chapter – Annual report year: 2008

Ideas for concrete energy interventions in Africa: Paper developed for the Africa Commission
Research output: Research › Report – Annual report year: 2009

Regional developments in energy systems, economics and climate: Africa
Research output: Research - peer-review › Report chapter – Annual report year: 2008

Renewable energy resources in Mali - preliminary mapping
Research output: Research › Report – Annual report year: 2008

Ressources énergétiques renouvelables du Mali - cartographie préliminaire
Research output: Research › Report – Annual report year: 2008

Universal energy access and rural electrification in developing countries: Promoting investment in clean energy technologies
Research output: Research › Sound/Visual production (digital) – Annual report year: 2008

Access to Energy: Experiences, Challenges and Dilemmas
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

Energy Security and Sustainability in Africa
Research output: Research › Report – Annual report year: 2007
Révision organisationnelles d’ERD et principes ABR
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

Synthèse et recommandation
Research output: Research › Sound/Visual production (digital) – Annual report year: 2007

Energy and development: The difficult encounter at the development interface
Research output: Research › Sound/Visual production (digital) – Annual report year: 2006

Institutions - invented, reinvented and changed. A challenge for development intervention
Research output: Research › Ph.D. thesis – Annual report year: 2006

Research output: Research - peer-review › Book – Annual report year: 2002

Institutions, social processes and power relations at village level - two options for case studies of rural electrification?
Research output: Research › Article in proceedings – Annual report year: 2002

Projects:

Trade in Environmentally Sound Technologies
Project: Research

Supporting sustainable mini-grid development and local production of wind turbines using the case of Kenya
Project: Research

Tendering sustainable energy transitions
Project: Research

Capability transfer and upgrading in PV value chains in Sub Saharan Africa
Project: PhD

Innovative Approaches to Rural Electrification in Africa: Organisational models that can accelerate and scale up access to modern energy services for rural households in Sub-Saharan Africa
Project: PhD

Governing Transition towards Low-carbon societies: The Role of Institutions in Designing Low Carbon Development Strategies
Project: PhD

Analytical approaches to integrating agriculture and forestry in low carbon and resilient development strategies
Project: PhD

The effectiveness of South-South Cooperation: Climate Change Technology Transfer from Brazil to Latin American Countries
Project: PhD

Community Based Adaptation to climate change in Sub Saharan Africa - the role of local institutions and social capital
Project: PhD
The transfer of technologies for climate change mitigation and industrial development in developing countries
Project: PhD

Sustainability assessment methodologies for Nationally Appropriate Mitigation Actions (NAMAs) in developing countries
Project: PhD

Biofuel Production from Lignocellulosic Materials
Project: Research

Green Energy and Low Carbon Development
Project: Research

Activities:

Potential for integration of small wind turbines in mini-grids in East Africa
Activity: Talks and presentations › Conference presentations

Bæredygtighedsmål – hot or not?
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Trade in Environmentally Sound Technologies
Activity: Talks and presentations › Conference presentations

How can we stimulate and exploit a market in Africa for small wind turbines?
Activity: Talks and presentations › Conference presentations

Reviewer for the Swedish Research Council FORMAS (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Working in a broad partnership in the Kenya MiniWind project
Activity: Talks and presentations › Conference presentations

Policy and planning related to climate change in developing countries
Activity: Talks and presentations › Conference presentations

Energy Research & Social Science (Journal)
Activity: Research › Journal editor

Reviewer for the Swedish Research Council FORMAS (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Niche development and upgrading in the PV value chain: The case of local assembly of PV panels in Senegal
Activity: Talks and presentations › Conference presentations

Regional Capacity Building Workshop for Technology Needs Assessment (TNA) project: Barrier analysis, enabling frameworks and technology action plans
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Energy transition research in Asia – useful for practitioners of development cooperation?
Activity: Talks and presentations › Conference presentations
Private sector investment in the biofuel value chain in Ghana seen in an innovation system perspective
Activity: Talks and presentations › Conference presentations

Environmental Science & Policy (Journal)
Activity: Research › Journal editor

Regional Capacity Building Workshops for Technology Needs Assessment (TNA) project, Prioritization of technologies
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Barrier analysis and enabling frameworks
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Measures identified in technology action plans to enhance national capacity: The case of Solar PV in Africa
Activity: Talks and presentations › Conference presentations

Prospects for investments in Large-scale, grid connected solar energy in Africa
Activity: Talks and presentations › Conference presentations

Measures for the Diffusion of Solar PV are Aligned in Technology Action Plans for Six Countries in Africa
Activity: Talks and presentations › Conference presentations

Wiley Interdisciplinary Reviews: Energy and Environment (Journal)
Activity: Research › Journal editor