



Renewables and Energy Security in Japan, East Asia and Norway

再生可能エネルギーとエネルギー安全保障—
日本、東アジア、ノルウェーの事例

知識

Knowledge/ Kunnskap

9-10 November 2011

[NTNU Gløshaugen](#)

Rådssalen, Hovedbygningen

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Seminar Schedule

Wednesday, 9 November 2011

9:00-9:45: Registration and coffee

9:45-10:15: Welcoming addresses: Johan Hustad (NTNU), Julie Christiansen (NFR), Paul Midford (NTNU)

10:15-11:15, Panel 1: Energy Security

CHAIR: PAUL MIDFORD

Jakub Godzimirski, Norwegian Institute of International Affairs: "Energy Security in Norway"

Frank Umbach, Centre for European Security Strategies (CESS):
"Energy Security in Japan"

Øystein Tunsjø, Norwegian Institute for Defense Studies:
"Energy Security in China and East Asia"

11:15-12:00: Discussion

12:00-13:00: Lunch

13:00-14:00, Panel 2: REN, Engineering and Social Science Perspectives

CHAIR:

Tore Undeland, NTNU: Engineering paper on renewable energy in Norway

Takanori Isobe, Tokyo Institute for Technology:

"MERS (Magnetic Energy Recovery Switch) Technology for Renewable Energy and Power Saving Applications"

Yu Wang, Tsinghua University: Presentation on renewable energy in China

14:00-14:15: Coffee Break

14:15-15:00: Discussion

Thursday, 10 November 2011

9:30-10:00, Keynote Address: Taro Kono, Member, House of Representatives, National Diet of Japan, “The Politics of Renewable Power in Japan”

10:00-10:15: Q&A with Representative Kono

10:15-10:30: Coffee break

10:30-11:30, Panel 3: REN and Industrial Policy (and Climate Policy?)

CHAIR: NATSUYO ISHIBASHI, NTNU

Espen Moe, NTNU Social Research: “Political constraints on renewables in Japan”

Eric Zusman, Institute for Global Environmental Strategies: “Policy Challenges in China”

Gard Hopsdal Hansen, NTNU: Presentation on Norway and China

11:30-12:15: Discussion

12:15-13:15: Lunch

13:15-14:15, Panel 4: REN and Energy Security: Policy Recommendations

CHAIR: ESPEN MOE, NTNU Social Research

Audun Ruud, SINTEF Energy Research, Norway and Renewables; Policy Challenges

Gunnar Fermann, NTNU: Energy Security, Policy and Energy/Renewables

Paul Midford, Director, NTNU Japan Program: “Debates and public opinion on energy policy in Japan”

Jørgen Delman: From ‘worn’ to “green” China model? The environment, renewable energy, climate change, and the 12th five-year plan

14:15-14:45: Discussion

14:45-15:00: Coffee

15:00-15:30: Closing Roundtable

Seminar Overview

The 2011 Norwegian University for Science & Technology (NTNU) Japan Seminar will focus on an ever more pressing theme, global energy security, the emergence of renewable energy sources, and how this relates to Japan, East Asia and Norway. Due to eventual resource depletion, the threat of global warming, and advancing technology, renewable energy will, more or less by default, end up playing a much larger role in the future energy security and CO2 reduction strategies of many nations. The seminar will focus on countries and regions that share both major commonalities and differences in their energy strategies and renewable energy policies. Both Japan and Norway are countries with powerful energy lobbies. This strongly affects energy policy-making in both countries. Also, Japan's devastating "3-11" March 2011 earthquake and tsunami calls into question Japan's previous strategy of enhancing energy security and reducing green house emissions by building a large number of new nuclear power plants. High economic growth in East Asia, particularly China, is the most important reason why the demand for energy will only keep expanding and East Asia is already one of the most important regions of the world, in terms both of demand for and supply of energy in general, and renewable energy more specifically. The seminar will host panels focusing specifically on the energy security situation of these countries and regions. It will host panels on technological and industrial challenges for renewable, and it will host panels on industrial policy and renewables as well as on policy recommendations for drawing renewables and energy security together in a common strategy.

2011年度ノルウェー科学技術大学（NTNU）日本セミナーはますます重要な課題、つまりグローバルエネルギーの安全保障と再生可能エネルギーの出現に関する日本、東アジアとノルウェーとを検討する。自然資源の減少、地球温暖化の脅威と進んだ技術による再生可能エネルギーが沢山の国の将来エネルギーの安全保障また二酸化炭素削減戦略の中の役割が必然的に拡大になる。このセミナーはエネルギー戦略における重要な共通点と相違点を持っている諸国と地域に集中している。日本とノルウェー両国にはエネルギー政策過程に影響が強いエネルギー圧力団体（ロビー）がある。その上に今年の東日本大震災と津波で沢山原子力発電所を建築でエネルギーの安全保障を促進し、二酸化炭素を削減という以前の政策が疑いになった。世界エネルギーの需要がますます上がっている重要な理由が東アジア、特に中国の高い経済成長率により、すでにこの地域が、エネルギーの需要と供給、また再生可能エネルギーで最も重大な地域のひとつになった。このセミナーは、前述の諸国と地域のエネルギー安全保障の状態を焦点しているパネルを提供する。その上に再生可能エネルギーの技術と産業の課題、また産業政策と再生可能エネルギーだけでなく、共通な戦略で再生可能エネルギーとエネルギー安全保障を組み合わせるために政策提案というテーマについてパネルを提供する。