

Social Acceptance of Renewables debunking myth in Japanese context

7-9 OCT 2013
WORKSHOP ON SOCIAL ACCEPTANCE OF RENEWABLE ENERGY
INTERNATIONAL RENEWABLE ENERGY AGENCY

Japan Renewable Energy Foundation

debunking myths in Japanese context



BEFORE FUKUSHIMA- a campaign for "3E"

renewables

- it may be good for environment, but unstable, expensive and even harmful sometimes

coal

- it may be bad for environment, but stable and affordable

nuclear power

- energy which could full-fill the energy security, economy and environment

AFTER FUKUSHIMA- a campaign for "3E+S"

renewables

- it may be good for environment, but unstable, expensive and even harmful sometimes

coal

- it may be bad for environment, but stable and affordable

nuclear power

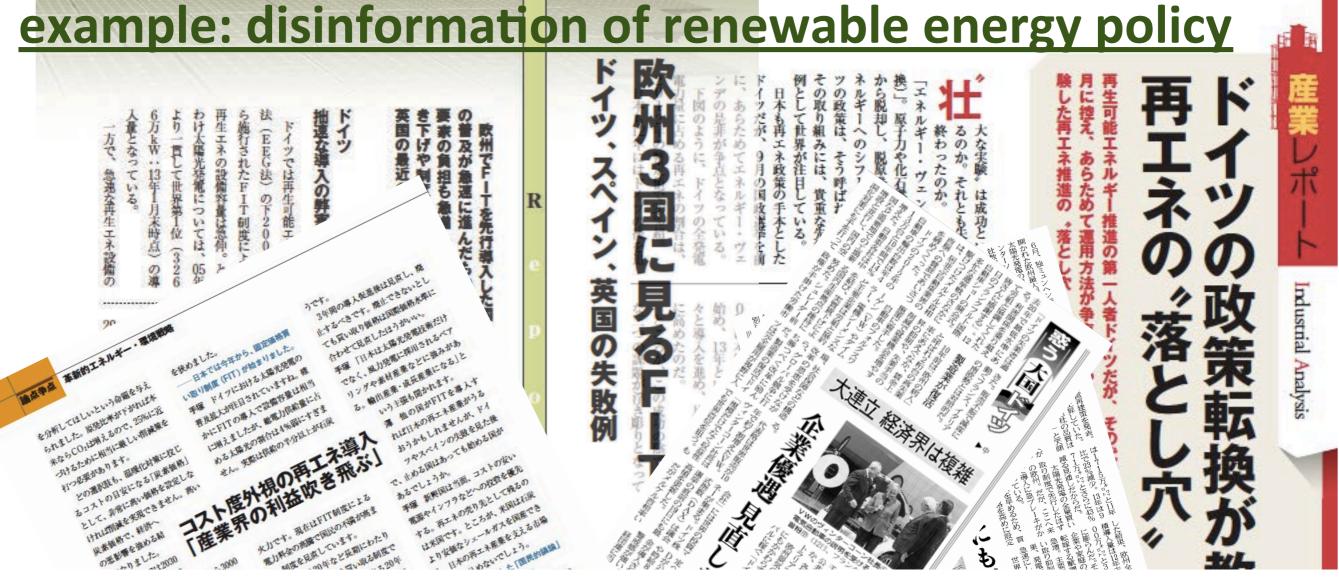
- it could be fatal to environment, but still could full-fill requirements of climate change, , energy security and economy

example: a performance table of energies

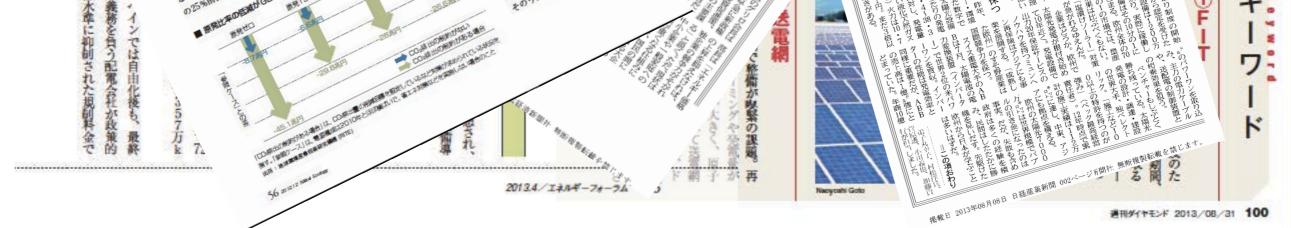


	production (procurement)			afloat		consumption		electricity utilization			score		
	develop ment	production (procureme nt)	import	storage	distributi on	ways of utilizatio n	environ ment impact	cost of supply	stablene ss	backend	accident	Р	N
Oil/LPG	negative	negative	negative	positive	positive	neutral	negative	negative	positive	positive	neutral	4	5
LNG	neutral	neutral	neutral	negative		neutral	neutral	neutral	positive	positive	neutral	3	1
Coal	positive	positive	positive	positive	neutral	neutral	negative	positive	positive	neutral	neutral	6	1
Nuclear Power	positive	neutral	positive	positive	neutral	neutral	positive	positive	positive	negative	negative	6	2
Hydro	negative	neutral	positive	neutral	neutral	neutral	positive	positive	positive	neutral	neutral	4	1
PV	neutral	neutral	positive	neutral	neutral	neutral	positive	negative	negative	neutral	neutral	2	2
Wind	neutral	neutral	positive	neutral	neutral	neutral	positive	neutral	negative	neutral	neutral	2	1
Geotherm al	negative	neutral	positive	neutral	negative	neutral	positive	positive	neutral	neutral	neutral	3	2
Biomass/ gas	negative	negative	positive	negative	neutral	neutral	positive	negative	neutral	positive	neutral	3	4

source: WG on Basic Energy Strategy, METI/ANRE, 2013



German FiT is a big failure- "a big gimmick" of renewables a lesson needs to be learnt from German policy revise "all the profits of industry will be brow-out"



example: misunderstandings of technology

日本經濟新開

(列島追跡)福島の地熱発電、開発が難航温泉枯渇に危惧強く 2012/10/8付 日本経済新聞 朝刊

東京電力福島第1原発事故を受け、再生可能エネルギーの導入促進へと大きく力ジを 福島県。しかし期待の大きい地熱発電の開発が難航している。周囲の温泉が枯渇しかれ して温泉関係者の反発が強いためだ。県は企業と温泉関係者が加わる会合を設けて協 めるが、歩み寄りの兆しは見えていない。

「今年度の調査はやめていただきたい」「地熱開発よりも原発 事故の後始末が先だ」――。7月31日、福島県が主催した地熱 資源開発に関する情報連絡会。企業や国の説明に、温泉関係 者の反発の声が上がった。



でに温暖化ガスの

利害対立が顕在化



(出光大分地熱などが運営する 滝上発電所、大分県九重町)

再生可能エネル

利用

エコの名の森林

エコの名の下の環境破壊 私たちは地熱発電所建設 に反対します。

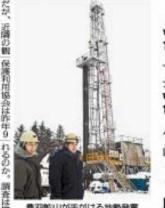


美しい景観 おいしい水 きれいな空気。そして豊かな温泉。 霧島はすばらしい自然に恵まれた景勝の温泉保養地です。

地熱発電はCO2を出さない国産のリーンエネルギーと言われます 有効かもしれません。しかし今までに地熱発電所が引き起こした多

良質の水や温泉 美しい景観は一度失われたら二度と帰っては びの高原」ではあれほど活発に吹き上がっていた蒸気や噴気が消



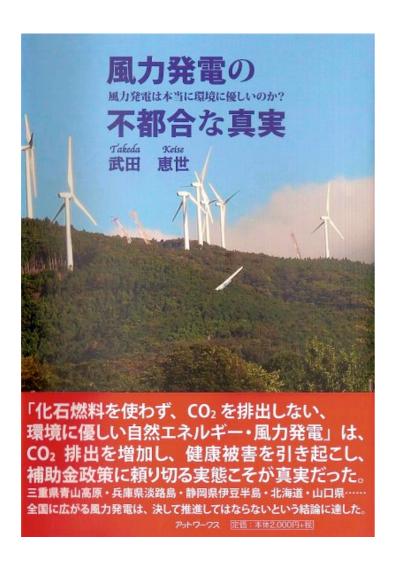


thousands forest could be destroyed by a "moment" we are against geothermal

promoted by hot spring industries

example: disinformation campaign for RE







"an environmentally friendly power without emissions" is adding CO2, causing health hazards and totally relying on subsidies...



Stop! Wind Power

Giant wind turbines destroy environment

reactions from industries and consumers





	Japan Business Federation (KEIDANREN)	The Japan Chamber of Commerce and Industry	Consumers Alliance Japan (SHODANREN)	Japanese Consumers' Cooperative Union
Nuclear Power	urges the government to advocate the importance of nuclear power	urges the government to advocate the importance of nuclear power	×	×
Renewables	claims RE are inefficient and unstable. requires revision or abolishment of FIT	appeals anxiety for a surcharge	appeals that consumer are not claiming about surcharge	0
Electric System Reform	appeals anxiety of a raise of electricity prices	requires restraining raise of electricity prices		requests consumers' choices for power companies
Climate Change	requires revision of the target; 25% reduction of CO2 claims it should be oluntary efforts	requires revision of the target; 25% reduction of CO2	requires explanation of burden to consumer	requests strongest efforts



1. Focusing on efficient dissemination;

- regular monthly study meetings with media;
- frequent study meetings with each political party;
- time to time workshop meetings with gov committee members

Topics; FiT, grid connection, electricity system reform, cost of decommissioning, cost of renewables, global trends of RE, new German policies, etc.



2. providing "real" on renewables;



newly published one coin booklet

"Renewable Energy Q&A"



- Q1. What is renewable energy?
- Q2. Renewables are expensive, aren't they?
- Q3. It's unstable, relied on weather, isn't it?
- Q4. Is there no environment impact or health effect?
- Q5. I've learnt that elec bill in Germany is expensive.
- Q6. It might be difficult to be a key energy resource.
- Q7. Is it profitable?
- Q8. How will the society change?

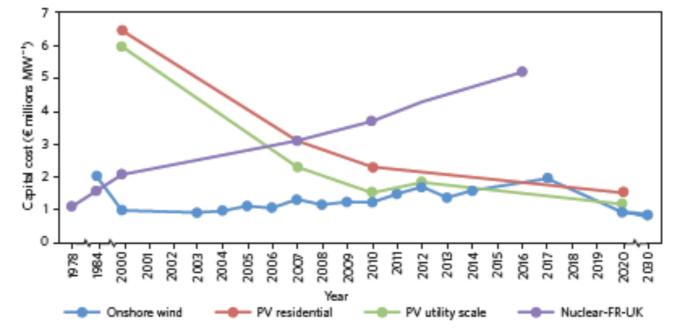
with prominent key experts as writers.



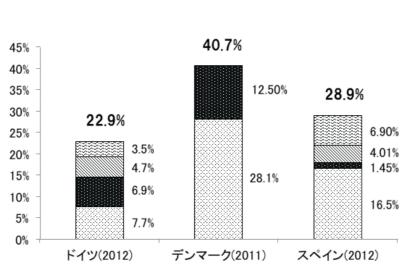
3. providing "real information"

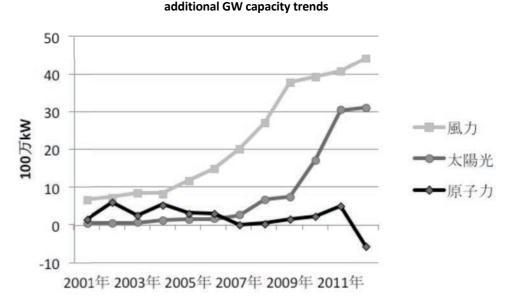


COMPARISON OF COST TRENDS OF NUCLEAR, WIND & SOLAR IN EUROPE



source: Sonja van Rensen, Nature Climate Change 3, 779-780 (2013) doi:10.1038/nclimate1991





source: BMU, DEA, IDAE

source: BP Statistics, IEA, EWEA, EPIC

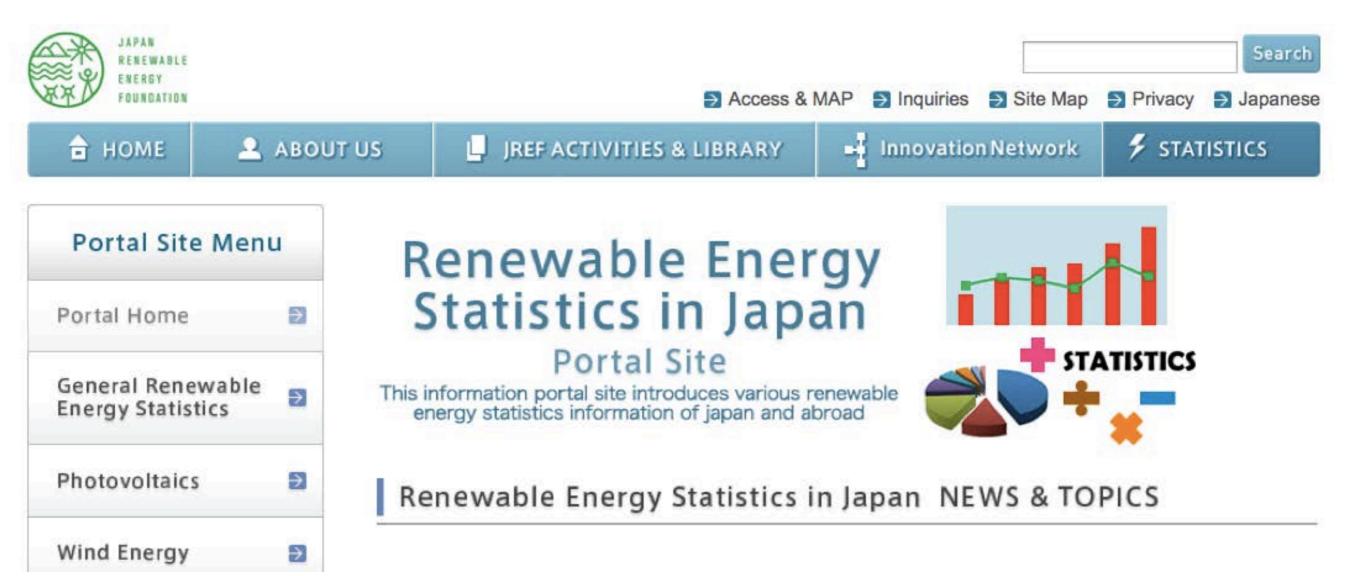




4. providing "real information"

RE statistics in Japan: gathering latest figures of development of renewables

- facts should be visible!







5. international experts' network

innovation network: established in 2012 to facilitate the exchange of information and proposals geared toward the evolution of Japan and the world into a sustainable society. around 50 global experts joined network and started discussions.

Expert

Showing:





Adnan Z. Amin
Director-General, International
Renewable Energy Agency (IRENA)



Morgan D. Bazilian

Deputy Director, Joint Institute for
Strategic Energy Analysis (JISEA)



Daniel Hugo Bouille



Bernard Chabot International Consultant and Trainer on Renewable and Sustainable Energy BCCONSULT, France



Michael T. Eckhart

Managing Director, Citi Corporate and
Investment Banking



Mohamed El-Ashry Senior Fellow, UN Foundation



Jose Etcheverry

Associate Professor and Co-Chair,

Sustainable Energy Initiative, Faculty of
Environmental Studies, York University



Dörte Fouquet

Lawyer/Partner, Becker Buettner Held



Dolf Gielen

Director, Innovation and Technology

Centre (IITC) of the International

Renewable Energy Agency (IRENA)



Paul Gipe



Stefan Gsänger Secretary General, World Wind Energy Association



Kirsty Hamilton
Associate Fellow, RE Finance Project,
Chatham House



6. international experts' network

REvision Conference, seminars, workshops: started in 2011, JREF

holds annual international conference, inviting experts around the world to deliver the latest discussion of renewables and energy policies. target could be public, MPs, ministries and experts. audience is more than 600 hundreds, live webcast is available.

since 2012, we hold the conference in front of METI.....







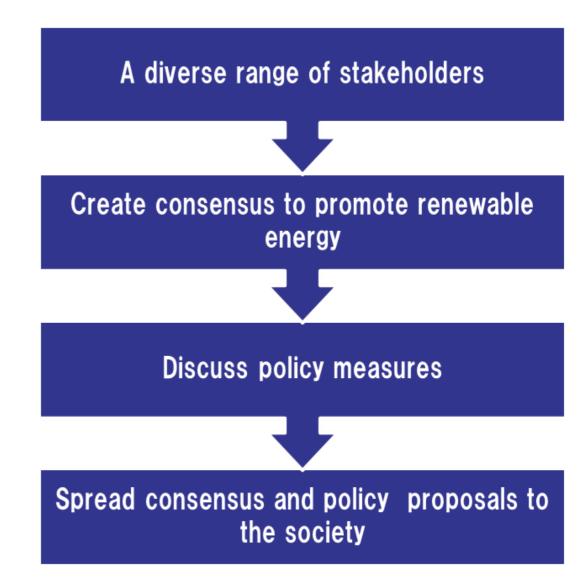


6. a study group with nature protection NGOs: Promote discussion

of renewable energy use towards sustainable society by going beyond the framework of each renewable energy

Participants

- The Nature Conservation Society of Japan
- · WWF Japan
- Wild Bird Society of Japan
- Japan Wind Power Association
- The Geothermal Research Society of Japan
- Hot Spring Research Center, Japan
- Japanese association for Water Energy Recovery
- Biomass Industrial Society Network
- Researcher
- Ministry of the Environment (observer)
- Ministry of Agriculture, Forestry and Fisheries (observer)
- Institute for Sustainable Energy Policies
- Japan Renewable Energy Foundation





















6. a study group with nature protection NGOs:

Potential of renewables and future scenario Risks and benefits of renewables Best practices Policy measures: location planning and community power initiative Relative risks of each energy source



- Consensus and policy proposals will be released in March 2014.
- Each participant will spread the consensus through his or her activity.



Debunking the Renewables "Disinformation Campaign"



http://blog.rmi.org/blog_2013_07_31_debunking_renewables_disinformation_campaign

by Amory B. Lovins
Chief Scientist, RMI

.....The sad truth is that the debate on clean and renewable energy is unbalanced, and seldom by accident.

..... And when bad news does happen, says ACORE president and retired U.S. Navy Vice Admiral Dennis McGinn, opponents of renewables are pushing it <u>"as if it's the only news."</u>

They are dominating the conversation through misrepresentation, exaggeration, distraction, and millions of dollars in lobbying and advertising."

This misleading coverage fuels policy uncertainty and doubt, reducing investment security and industry development. Disinformation hurts the industry and retards its—and our nation's—progress. As Germany has shown, investing in renewables can grow economies and create jobs while cutting greenhouse gas emissions even in a climate as "sunny" as Seattle. We just have to get the facts right, and insist that our reporters and media tell us the truth, the whole truth, and nothing but the truth.

thank you for your attention



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