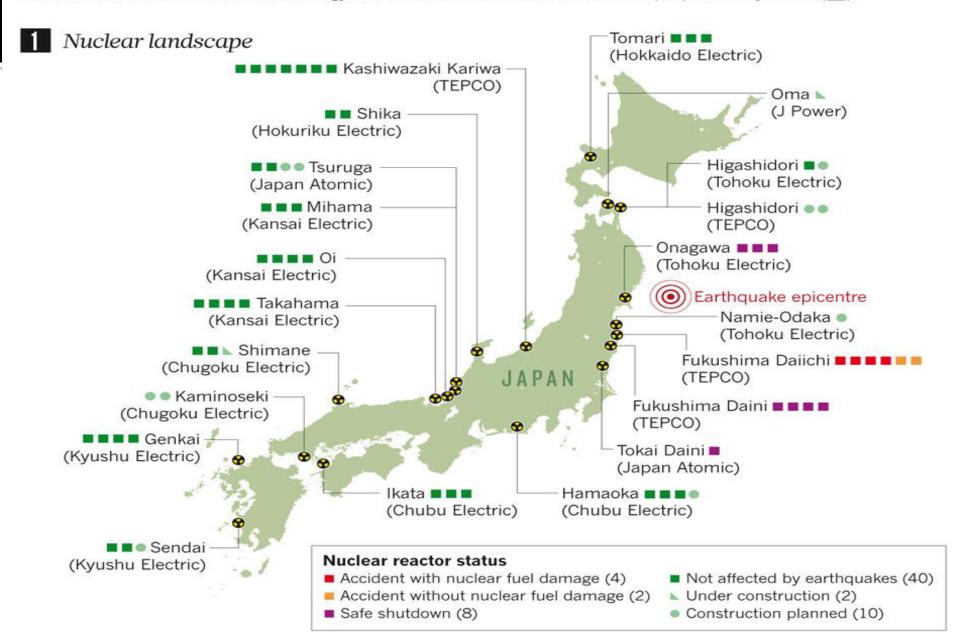
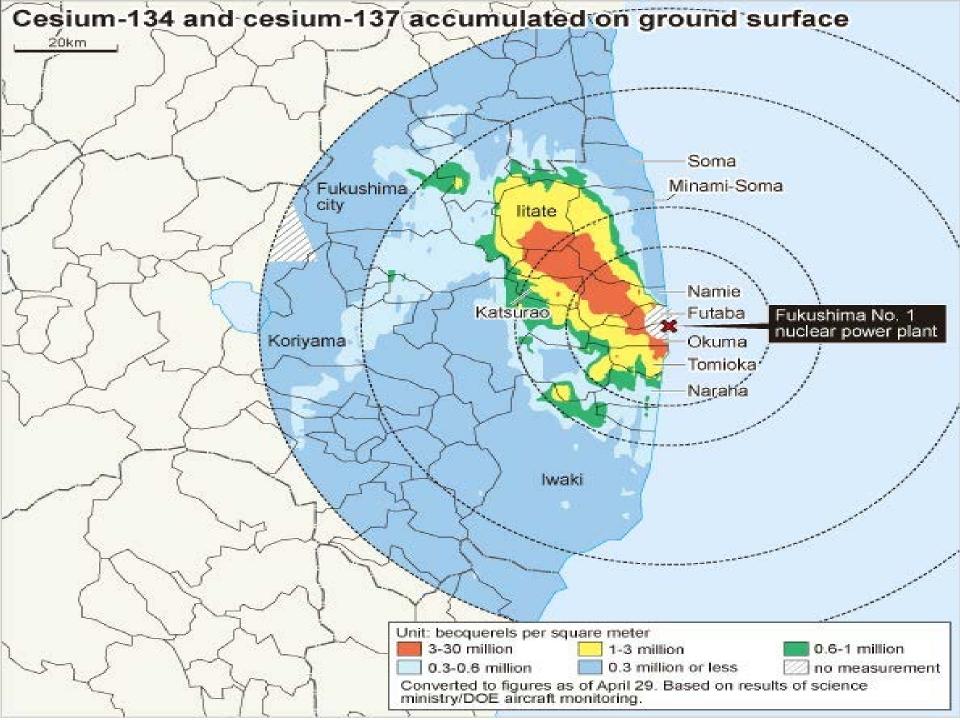
The Fukushima Nuclear Accident: A Social Science Perspective

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NUCLEAR POWER IN JAPAN

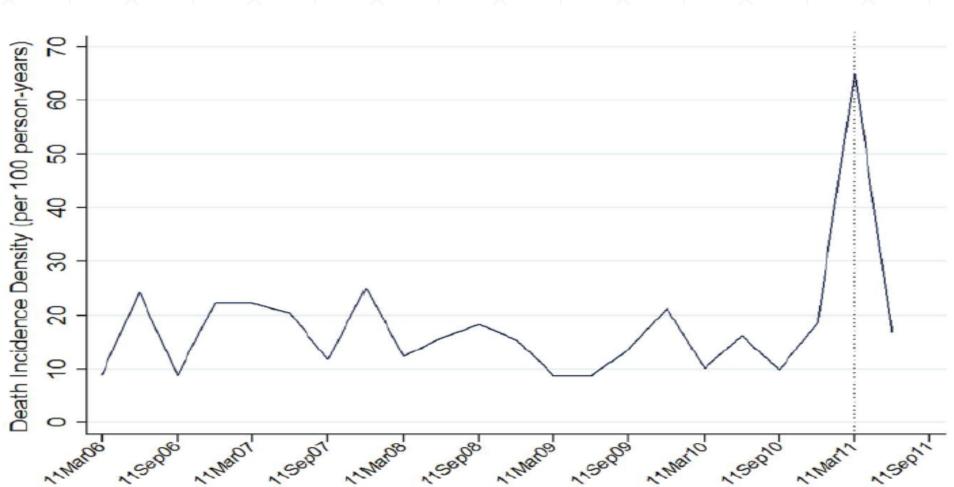
Fifty-four nuclear reactors supply about a quarter of Japan's electrical energy needs (1). Before the Fukushima disaster struck, new reactors and energy conservation were set to double that proportion by 2030 (2).





Spike in elderly deaths due to evacuation (Nomura et al. 2013)

Effects of evacuation on nursing home residents in Minamisoma-city 1



Lack of Medical Care

Increasing cases of Chronic Diseases

	柚木·大野台	保健センター	玉野地区
身長・体重を 測定した人数	291 人	266 人	183 人
肥満だった 人の数	125 人	83 人	59 人
肥満だった 人の割合	43.0 %	31.2 %	32.2 %

⑥ 血圧つづき

収縮期血圧が140mmHg以上または拡張期血圧90mmHg 以上の方を高血圧としています。

	柚木•大野台	保健センター	玉野地区
血圧を 測定した人数	291 人	265人	183 人
高血圧だった 人の数	77 人	44 人	29 人
高血圧だった 人の割合	26.5 %	16.6 %	15.8 %

1/3 of all medical consultations in Fukushima City centered on radiation



Public Opinion on N-Power

Date / Source	Increase	Maintain status quo	Decrease	Abolish	No opinion
Dec. 2005 (PM Office)	55	20	14	2	7
Oct. 2009 (PM)	59	19	14	1	5
April 2011 (Yomiuri)	10	46	29	12	3
June 2011 (Asahi)	4	41	36	16	3
August 2011 (Soka gakkai)	5	49	32	13	1



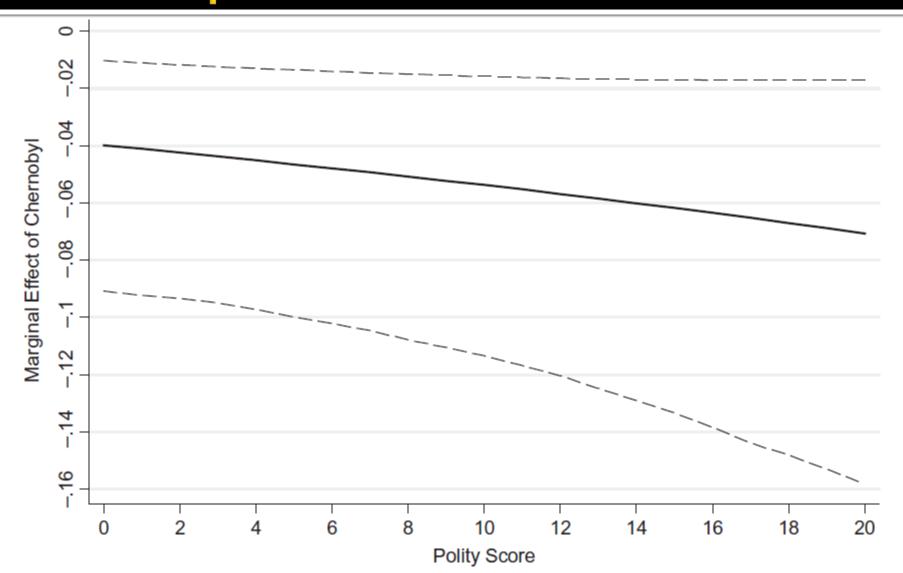


Public Backlash (http://www.youtube.com/watch?v=rVuGwcgdlhQ)

So, are you saying that they don't? They have that right, don't they?



Fuhrmann (2011): impact on nuclear development



Conclusions

Death spike among evacuees and anxiety / confinement-related health problems

Massive loss of trust (citizen science) and anger towards authorities (lawsuits, referenda, protests)

Need for bottom up, citizen-based recovery and community-based disaster planning