



# **Nuclear Waste Governance**

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Dr. Achim Brunnengräber

Environmental Policy Research Centre, FFU





← Demonstration for Energy Transition, Berlin, May 2014

Blocking Nuclear Transports Hamburg, August 2014 →



ABSCHALTEN



#### **Outline**

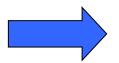
- Crisis in Nuclear Waste Governance
- A narrow framing for NWG
- A different framing
- Defining Governance
- New modes of Governance





#### Crisis in Nuclear Waste Governance

- governments and companies are unable or unwilling to take on the nuclear waste challenge
- decision makers have allowed for decades to store nuclear waste in temporary facilities
- absence of concerted long-term waste strategies (muddling through)
- highly complex safety, environmental, and health problems



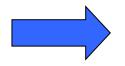
inconvenient truth: still a long way off from having an adequate solution





# **Narrow Framing**

- Civilian use of nuclear energy neglected the input-side (mining) and the back end of nuclear fuel (disposal)
- companies' strategy: leaving the problem to future generations (private goods – public bads)
- top-down (government) organised process / marginalising citizens concerns and anti-nuclear movements
- (positivistic) belief that science / engineering can solve the problem



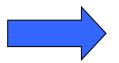
worldwide no operating deep geological disposal facility!





# Different way of Framing

- many dimensions, anti-nuclear-movements, public opinion, political-science relations ...are relevant in the site-selection process
- strong (local) opposition to storage / geological disposal and site explorations (new alliance / networks)
- new conflicts within states-industrial nuclear complex and between governments and companies about responsibilities, financing or public participation



growing pressure to solve the problem?





# Defining "Governance"

"[...] governance implies that **private actors are** involved in decision-making in order to provide common goods and that non-hierarchical means of guidance are employed [...] Where there is governance, private actors may be independently engaged in selfregulation, or a regulatory task may have been delegated to them by a public authority, or they may be regulating jointly with a public actor. This interaction may occur across levels (vertically) or across arenas (horizontally)"

Adrienne Héritier (2002: 3), emphasis added by AB





#### **Governance Approach**

#### to understand

- the turbulent history / the decades of controversy
- the complex set of formal and informal institutions
- the actors' strategies, values, interests and conflicts
- the power dependencies involved
- the level of action (multi-level governance)
- the blurring of boundaries and responsibilities
- the public distrust of government and industrial actors

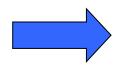






#### **New Modes of Governance**

- investigation and evaluation of the past conflicts
- transparency and information, volunteerism
- inclusive participation, influence, right to veto and restart possibilities at all steps of siting
- financial compensation to enable participation
- bringing together the public, the political and technical/ scientific community
- local, regional and national contextualisation



precondition: phase out?







#### **Construction Site NPP Brokdorf 1976**







Demonstration against a final Repository in Gorleben 2010





# The challenge

Nuclear Waste Governance is highly controversial

and first and foremost a major democratic challenge

not just a technical or scientific one!





# Thank you very much for your attention!

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