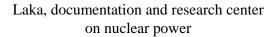
'Policy and public opinion on nuclear power'

Wageningen University, June 25 2014



War and Peace

From Manhattan Project to Bodega Bay



1980- independent documentation center, clearinghouse, supporting activists

- 1- research/publications
- 2- information accessible
 - 3- campaigning



Laka research & publications

- · Civil and military use of depleted uranium
- History of nuclear power in the Netherlands (www.kernenergieinnederland.nl)
- Election programs political parties since 1952
- Monitoring decommissioning and decomtamination historical buildings
- · Medical radioisotopes production without a nuclear reactor
- Free (daily) mailinglist with news (and analyses) about nuclear power in the Netherlands

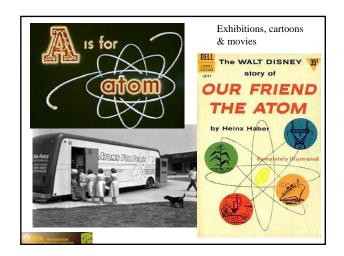


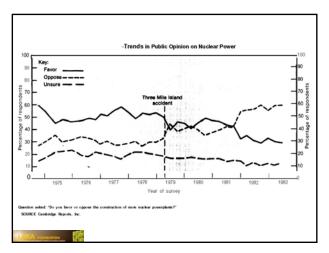
Selling nuclear power Atoms for Peace and Prosperity Dec. 6, 1953; Eisenhower addresses General Assembly UN

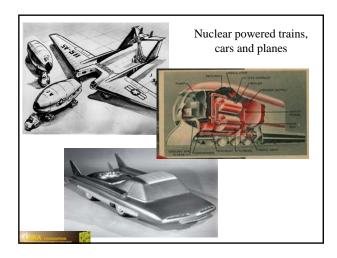


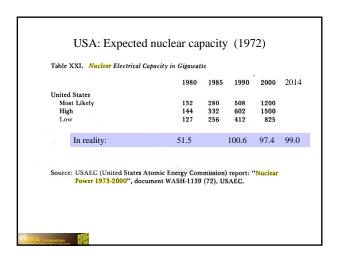
- In 1954, Lewis Strauss, Chairman U.S. Atomic Energy Commission, proclaimed development of nuclear energy would herald a new age. "It is not too much to expect that our children will enjoy in their homes electrical energy too cheap to meter"
- Nuclear power was offered by its proponents as a panacea: "it will give us all the power we need and more. Power seemingly without end . . . [p]ower to do everything man is destined to do. We have found what might be called perpetual youth."

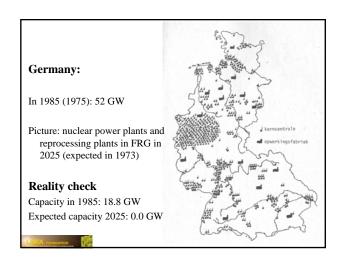
First commercially NPP proposed in USA (1958, Bodega Bay) was cancelled in 1964 after protests. Birth of anti-nuclear movement Times they are a changin... | Bodega Bay Benefit | Signature | Signature

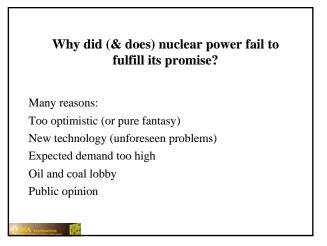


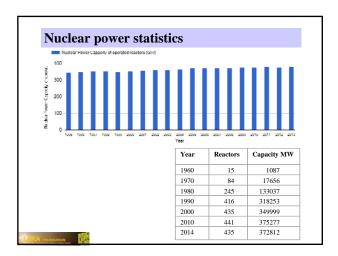


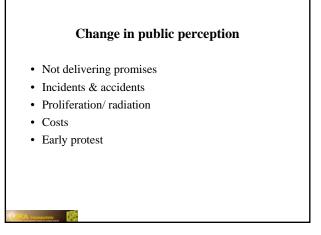


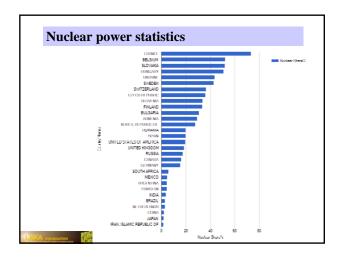


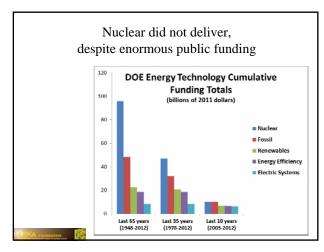


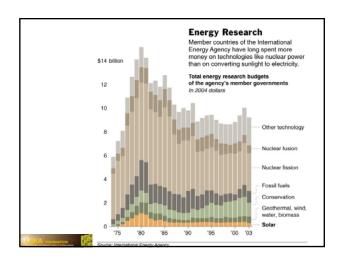


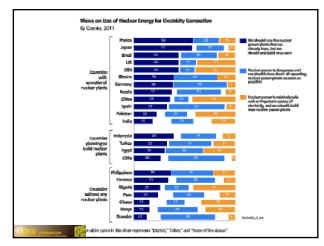


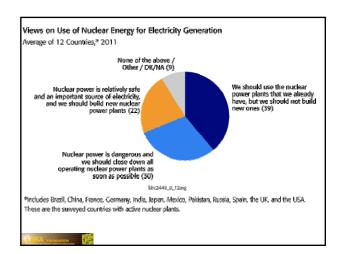


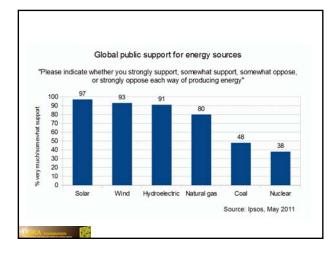


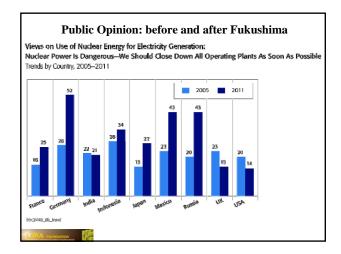


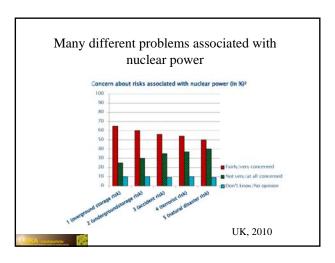












Policy and public opinion in The Netherlands

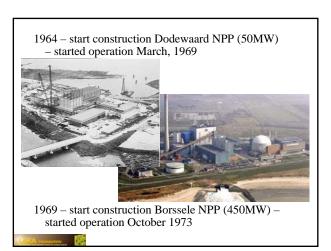
1957: first nuclear energy policy document:

- In 1962: first n-power reactor
- In 1975: 3000 MW, 34% of total capacity
- then all new capacity will be nuclear



1957: ITAL-reactor Wageningen

- Netherlands one of first European countries with research on nuclear energy
- 1950: plan to develop nuclear power in NL: first construction of research reactor
- First country outside US, UK & USSR technology to enrich uranium (1953)









Arguments in public debate

1972 – 1973 Second group joined debate: members of PSP and PPR; parties that began to fight technological optimism and (economic) growth thinking

Arguments in public debate:

Kalkar, technology too complex, accidents, radiation, thermal pollution (Rhine), questioning economic growth. Symbol for a centralized, technocratic, undemocratic society.

Energy scenario 1972, Ministry of Economic Affairs

Expected electricity production by nuclear power:

- In 1990: 14.000 MW
- In 2000: 35.000 MW -total capacity: 70.000 MW
- From 2000 on: only NPPs for new capacity

Fact is:

- Since 1973 no new reactors built
- Nuclear capacity in 2000: 450 MW (1990: 500)
- Energy saving programs: total electricity production in 2000: 19.000 MW (incl. CHP)

Arguments in public debate

July 1, 1973: Dutch government raises electricity bill by 3% to finance construction of Kalkar-reactor

1973 – 1974 Third group: individuals organised in (local) committees against Kalkar-heffing (tax).

Public debate on: fastbreeder reactor, safety (Pu), centralised production, nuclear weapons and 'Revanchismus' and from that connection civil & military use.



Arguments in public debate

1970-1971 start of anti-nuclear opposition: scientists & part of environmental movement critical of social structures (social criticism)

Started to raise questions publicly on: Scale, safety, radiation, fear for livelihood, wholeness of creation, thermal pollution (Rhine)

From 1974 on , opposition and not government and/or industry was setting agenda for public debate

January 16, 1976: Government postpones decision to built nuclear power plants, because of opposition within. Optimism about possible role of nuclear power ends

But not end of debate



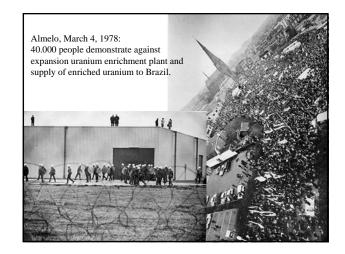
Arguments in public debate

Nuclear power: from environmental to political issue

1976 - Fourth group dominant in public debate: radical leftwing intellectuals: independent student unions, anarchist groups, and ultra-left wing political groups:

Public debate on: role of the state, centralization of administration and means of production and increasing repression. Undemocratic ('Atomic State')
In f.i. West-Germany struggle polarized: became (militant) struggle against repressive state apparatus.

This group politicized argumentation, combined struggles and brought anti-parlementarism in movement







Stop atomic state / Nuclear power leads to police state. Posters late 1970's

Arguments in public debate

1979 - 1980 Sixth group: radicalised young people, usually organized in so-called affinity groups ('basisgroepen') became dominant in public debate.

Characterized by non-hierarchical structures and reliance on new forms of action. Active in other movements: mainly squatters' and feminist movement, but also anti-militarism.

Arguments: atomic state, proliferation, repression, (non-) violence

Arguments in public debate

1977 – 1978 Fifth group joined debate due to combining struggles (apartheid, labour, third world): members and supporters of social democratic party, the Labour Party (PvdA), churches and traditional trade unions. Also Third world & solidarity movement

Issues: Uranium mining (indigenous people), waste (salt domes), third world, proliferation (NPT).

Moderate wing of the movement -ambivalent.



Teargas.... At blockade at Dodewaard Sept. 1981. Despite large demonstration end of the popular mass antinuclear movement.

In less than 10 years (1974-1982) radical change in public opinion on nuclear power.

BMD (Broad Societal Discussion) 1983-84: No support for nuclear energy

Despite this conclusion, only months later, government decided to build new nuclear reactors. First one to be finished in 1990

Plans shelved after Chernobyl (April 1986)



Arguments in public debate

Agenda public debate set by government and nuclear lobby

- End of nineties, early 2000, climate change issue became important in public opinion: "Nuclear power necessary to combat climate change" (but "nuclear power needs climate change more, than climate change needs nuclear power"
- 2006: decision to extend lifetime of Borssele NPP to 2033 and lobby for new nuclear gained power.
- 2009: Delta (and RWE) announced new construction at Borssele and started procedure to obtain licence

Policy change

Government scenario's:

1974: 3000 MW in 1985 1980: 5000 MW in 2000 1985: 6000 MW in 2000

1995: no new reactors



And then... March 2011, Fukushima



Fukushima showed that chance of severe accident (with off-site consequences) is much higher than calculated. Focus in public opinion back on safety argument.

January 2012: Delta and RWE delay decision to built new reactor 'for a few years' due to 'economical reasons'.

April 1986: Chernobyl

• Government cancelled plans for new reactors.

And nuclear power was announced dead:

- - Environmental organisations shut down their campaigns
- - nuclear power disappeared from public debate
- Dodewaard closed in 1997 because 'lack of perspective for nuclear power'
- – Borssele to close in 2003
- – government documents: 'the nuclear power era seems to have been ended in the Netherlands'
- General feeling: 'If we don't talk about nuclear power, it will disappear naturally'

(opinion poll June 2014)

Q: Especially which energy sources do you think The Netherlands should use for electricity production

 Solar
 83%

 Wind
 78%

 Hydropower
 59%

 Biomass
 33%

 Nuclear
 11%

 Natural Gas
 9%

 Hard coal
 2%



