Danish appropriations of the Precautionary Principle

Examples from chemicals regulation (work in progress)

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Received comments

- Why discourse coalitions and not other types of more robust types of alliances?
- The newspaper analysis hits the many and various cases at very different moments in their development. This may may confuse the discourse analysis
- My own comments:
 - Precaution may be conceived as probably the first concept used by authorities that incorporate a (social) constructivist perspective on regulation, i.e. that nature and society (science and the social) cannot be taken apart.

Danish appropriations of the Precautionary Principle

#My approach to the PP and theoretical considerations

#Outlining the Danish appropriations of the precautionary principle

#One example: What happens when the PP 'returns' to Denmark?

Basic approach

- **XI** conceive of the precautionary principle as an boundary concept that potentially:
 - □ Enables a critical rather than a positivist approach to technology
 - □Enhance the legitimacy of a wider range of knowledge as relevant
 - △A Trojan Horse; that possible may help change the system from within

Analytical approach I

- **#**Discourse analysis inspired by Hajer's "The politics of environmental discourse"
 - □ Discourse co-determinating for how social reality takes form;
 - □Social stability and change thus has an linguistic 'condition d'être'
- #Discourse as a condition
- #Discourse as a strategic possibility

Analytical approach II

#Discourse especially important with complex and ambiguous problems...

XTwo central concepts from Hajer:

△Story lines

△Discourse coalitions

Analytical approach III

署 Story lines

- ☐ facilitate the reduction of the discursive complexity of a problem
- □ rationalises or constructs the problem as coherent
- □ allows actors to expand their own understanding and discursive competence of the phenomenon

Analytical approach IV

#Discourse coalitions:

- □A set of story lines, which is the 'cement' of the coalition
- □ The actors who utter these storylines through discursive activities,
- ☐ Finally, the practices in which these discursive activities are based

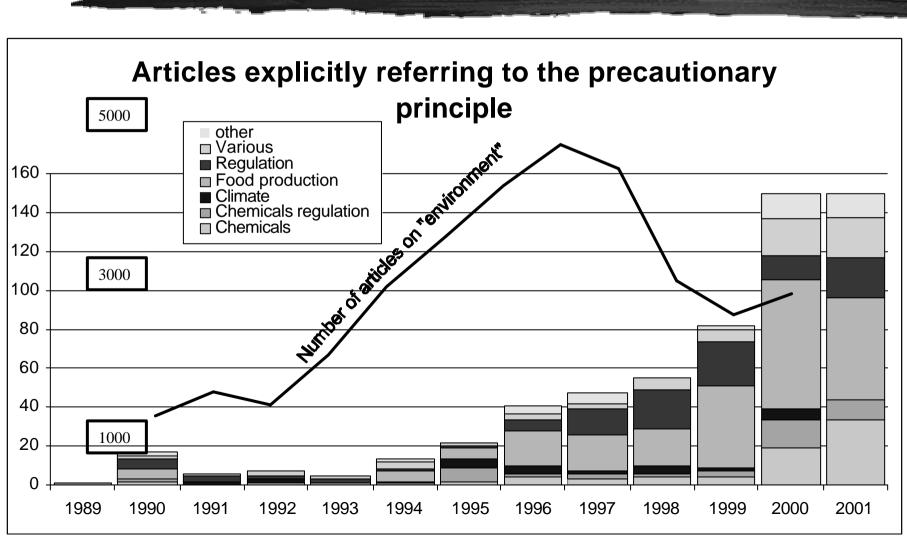
Analytical approach... applied

#Mapping story lines in newspapers #Concentration on specific cases

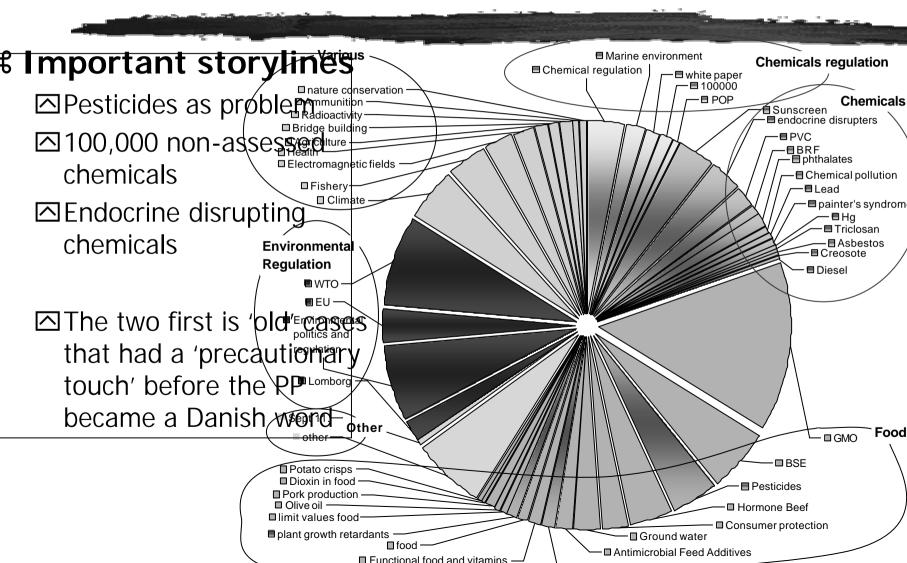
Precaution in Denmark Content and/or label

- **#1970**'s: precaution-like practise in specific areas (No specific concept relates precaution to environment in Denmark)
- #1980's: Denmark pushes for precaution and precaution-like measures internationally
- **%**1990's: The precautionary principle returns to Denmark primarily via the Rio Declaration; precaution is perceived as a 'new' concept

'Precaution' in newspapers



The varity of issues relating to the explicit PP



First Domestic use of the explicit principle – 1990

器A Friday in July 1990...

- ... The Environmental Minister banned Plant Growth Retardants! (straw shortening chemicals)
 - ☑Two discourses are distinct (and straightforward):
 - ☑A 'traditionalist' around 'sound science' and protection of economic interests
 - ☑A 'reformist' around precaution, wide appliance of science, and consumer-protection

First Domestic use of the explicit principle – 1990 II

- # But the discourse coalitions around them are new...
- **#**Ministry for Health
- **X** Established testing regime
- **X** Agrochemical Industry
- **X**Major bread industry Kohberg

- #Ministry for Environm.
- ****Agricultural feeding** experiments
- #Pig-breeders
- ₩Major bread industry
 Schülstad

First Domestic use of the explicit principle – 1990 III

- **X**The prohibition was forced to be withdrawn.
- **XEnvironmental Minister Lone Dybkjær** concluded:
 - ☐ "This is a bad decision seen from the environmental perspective. It show that our legislation is outdated" ...
 - □ "The precautionary principle has to be invoked into the environmental legislation"

Endings

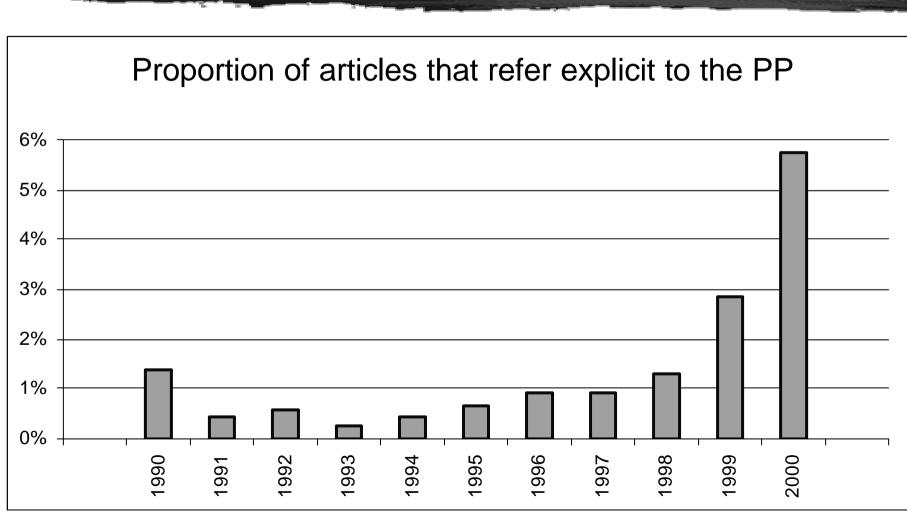
- **X**Tradition of precaution-like practise in isolated fields; Push for precaution internationally
- #Reintroduction from the international perspective; 'learning' leads to wider use of the PP.

Danish appropriations of the Precautionary Principle

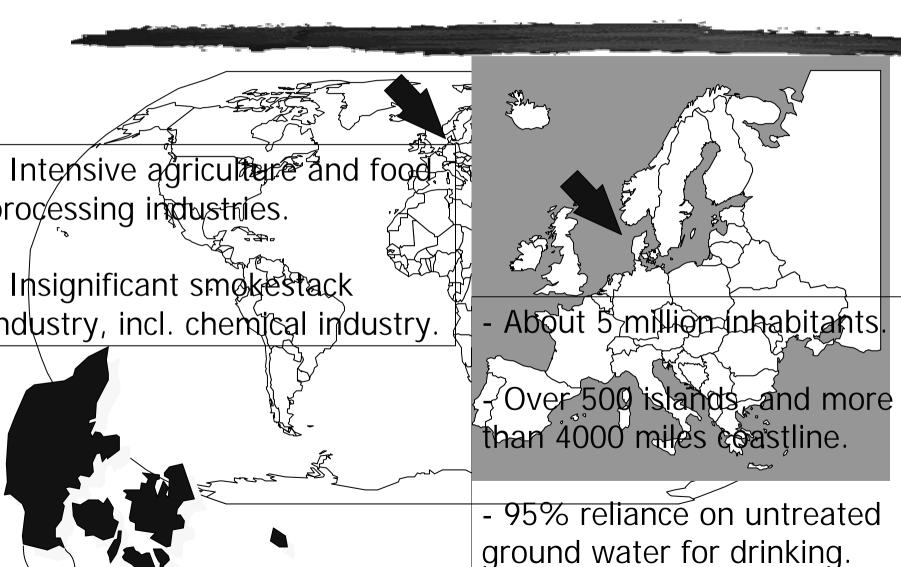


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'Precaution' in newspapers II



Denmark...



Pesticides regulation in the 1970s 1980s

- #1970s DDT, dieldrin banned due to persistence & bioaccumulative properties
- **X**1986 1st Pesticides Action Plan leads to amendments to the Chemicals Substances Act:
 - ☐ "Old" Chemicals must be re-evaluated
 - □Permits are time limited 5 & 10 years
 - **△**Substitution Principle with a flavour of Precaution:
 - ☑ "Approvals can not be given to Pesticides if means or methods with same field of application exists, which - based on investigations or experience - may be expected to be essentially less harmful for health or environment"

Pesticides regulation in the 1990s

- **%**1987 -> 1994: Pesticides assessed to be unacceptable for health and environment was unhindered sold and used!
- **%**Cases was dragged by means of endless rows of plaints and piles of counter evidence from the industry. The purpose was obviously to 'clog up'.
- **%**1994 The pesticide Atracine was found in ground water -> massive media uproar
- #Following this the Parliament decided to tighten the regulation. Industry had now just 6 weeks to table new evidence

Pesticides regulation in the 1990s : Cleaning out!

- **%**1994: 20 formulations with 7 active substances banned! (including Atracine)
- #1996: 110 formulations with 12 active substances banned!

□maneh -> fenoronimorph

Pesticides regulation in the 1990s : PAP II



- #1997 the parliament initiates an independent commission that shall assess the total consequences of a phase-out of pesticides
- **#**Four scenarios (the 1997 frequency of spraying wa 2,45):

 - ☑reduced use: 0.5 frequency, 90\$ /Capita /year
 - △optimised use: 1.4-1.7 frequency, 0\$ /Capita /yea
 - □ total change-over to organic: 0 frequency, 240-600\$
 /Capita /year

Pesticides regulation in the 1990s : PAP II

- #Based on this, the parliament passes the Pesticides Action Plan II, aiming at the optimised use scenario within 5 to 10 years (1.4-1.7), and a spraying frequency of 2.0 before 2002.
- **X**The means is to be information and counselling combined with threat of an increase of pesticides tax by 2002.
- #Hereto comes the aim of expansion of organic farming to cover about 23% of the agricultural land by 2003