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The Role of the Nation State in Environmental Policy: The Challenge of Globalisation

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Summary

During the last years we have witnessed more and more fears that the nation state and its ability to set demanding standards in fields like environmental policy has diminished in the context of globalisation. There is, on the other hand, the hopeful prognosis of neo-classical economists that the same globalisation would be connected with deregulation and fundamental reduction of the role of government. Neither the fear nor the hope of a withering away of the nation state in times of globalisation are supported by empirical research. States in concert have expanded and co-ordinated their regulatory powers. And it is only the nation state, the guarantor of diverse societal interests, that has the competence, the resources, the power and legitimacy to regulate the actions of disparate actors who might otherwise destroy shared environmental resources. There is a remarkable potential at least in the advanced OECD countries to promote change by the adoption of a pioneering policy, the stimulation of international competition and the diffusion of best practice. This potential of the highly advanced countries may be seen as a moral obligation to assume a higher responsibility for the global environmental development. The advanced nations cannot hide behind the fictive monster of globalisation, seemingly legitimising any kind of inactivity. On the contrary, it is their obligation to provide the world with better "demonstration" effects", with a better model of production and consumption overcoming the resource and environment intensive model of the past.

I have used the concept of Ecological Modernisation since 20 years. The core of this concept is an environmental policy approach strongly relying on the logic of innovation and its diffusion in *market economies*. Such an innovation-oriented environmental policy is by its very nature a national pioneer policy.

But what are the conditions of first-moverpolicies in environment? Is the nation-state still able to implement a demanding environmental policy in times of globalisation?

During the last years we have witnessed more and more fears that the ability of the nation-state to set ambitious standards in fields like environmental policy has diminished in the context of globalisation. There is also, on the other hand, the hopeful prognosis of neo-classical economists that the same globalisation would be connected with deregulation and fundamental reduction of the role of government. Neither the fear nor the hope of a withering away of the nation state in times of globalisation are supported by empirical research. But the subject is still highly relevant, since the debate has taught us a lot on the role of the nation state in the context of globalisation.

I would like to present ten theses regarding the role of the nation state in global environmental policy. My basis are mainly cross-national studies, partly made by the Environmental Policy Research Unit of the Free University of Berlin.

1 Globalisation has created a policy arena for pioneer countries, at least in environmental policy.

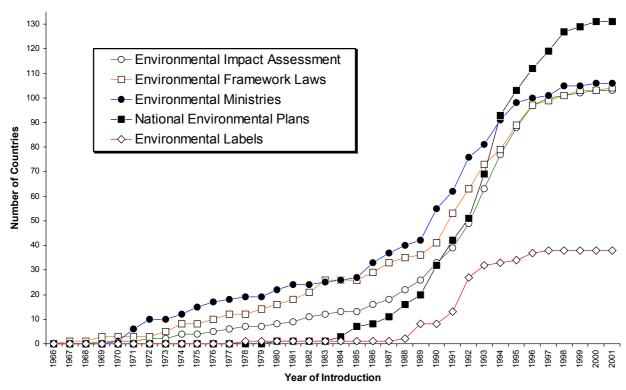
Pioneering environmental policy of certain (highly developed) countries has always been possible since 1970. The influence of small innovative countries in global policy has never before been as important as today in the field of environmental policy (Andersen/Liefferink 1997, Jänicke/Weidner 1997, Jänicke/Jacob 2001, Andersson / Mol 2002). This means that political competition and pioneer roles of countries have become relevant. But political competition needs an arena. The international system and especially the globalisation of environmental policy has created this policy arena. The Johannesburg Summit may be taken as an

example. Here the situation has improved since the end of the cold war (and its dichotomic policy arena). International institutions like the OECD or the UNEP, but also global networks of all kinds provide a basis for benchmarking and competition in global environmental policy. The hard core is regulatory competition giving support to domestic innovative industries or protecting the national regulatory culture against pressures to adapt to policy innovation from abroad. This countervailing mechanism against the neglect of environmental considerations in the global economy may be not strong enough, but it can be improved.

2 The nation state is both, the subject and object of global environmental policy learning and lesson-drawing

The national government is the subject of policy learning on how to solve environmental problems. At the same time national governments are looking for best practice, observing other governments (Rose 1993, Bennett 1991, Kern et al. 2001). Successful environmental policy innovations – the introduction of new institutions, instruments, or strategies – thereby are often adopted by other governments. This improvement by imitation can be conceived as **horizontal policy learning**. It is an important mechanism of global environmental policy development and policy convergence. International institutions such as the OECD, UNEP or special regimes play an important role as policy arenas for pioneers and as agents for the diffusion of environmental policy innovations. This role seems to be more important than the creation of policy innovations by the international institutions themselves. Figure 1 shows some examples of the diffusion of environmental policy innovations - such as environmental ministries or green plans - from pioneer countries to the rest of the world. The speed of diffusion has increased in the 1990s, strongly supported by the Rio process. This may imply capacity building at the national level, even if the divergence of capacities (behind the convergent policy patterns) remains remarkable.

Figure 1: The Global Diffusion of Environmental Policy Innovations



Source: Busch / Jörgens 2002

3 Policies are differently affected by globalisation.

The international pressure on wages, taxes on mobile sources and social security provisions is a reality in times of globalisation (Scharpf 1998). Environmental, but also health or security standards have their own (e. g. WTO) rules and their own logic in international regulatory competition. The reasons why environmental policy is a particular case seem to be extremely important and need special explanation:

4 There is no "race to the bottom" in environmental policy – but why?

Several empirical cross-national studies have rejected the RTB-hypothesis (see

box). Many arguments are well-known today (Vogel 2001, Wheeler 2001, Drezner 2001):

No international race to the bottom:

- "We find no race to the bottom...countries with more open trade regimes have more stringent regulations" (Eliste/Fredricksson 1998).
- National environmental pioneer policy can create "first-mover advantages" (Ashford 1979, Porter/van der Linde 1995, Wallace 1995)
- Bangladesh, India, Indonesia, and Thailand "are fast adopting industrial pollution control standards similar to those in developed countries" (Hettige et al. 1996).
- Strict environmental policy is no strong incentive to de-locate "dirty industries" into developing countries with re-imports into rich countries (Jaffe et al. 1995, Jänicke et al. 1997)

Countries and companies that trade with countries with strict regulations tend to have stricter policies themselves (Eliste/ Fredricksson 1998, Foljanty-Jost 1997) - the largest markets are rather strictly regulated. The globalisation of environmental policy has partly changed the framework conditions of the world market (Jänicke/Weidner 1997, Weidner/Jänicke 2002, Vogel 2001). Regulatory competition in environment often creates first-mover advantages for national economies. This is part of the global competition (Porter / v. d. Linde 1995, Wallace 1995) and essential to the development of "environmental lead markets" (Jänicke/ Jacob 2001). Strict environmental regulations (within limits) remain a possibility to protect national industries. Multinationals

tend to use the same standards everywhere (Wheeler 2000). Differences in environmental standards tend to decrease; generally they are less important than differences e.g. in labour costs or taxes.

I would like to add two arguments:

- The environmental issue has become a dimension of general technological progress. 40% of the innovations in 2010 are supposed to be relevant for environmental improvement (Faucheux 2000).
- The environmental issue has become important in the international competition for innovation there is a close correlation between strict environmental regulation and competitiveness.

5 Pioneer countries in environmental policy are highly competitive.

The Global Competitive Report shows a remarkable high correlation ($R^2 = 0.89$) between ambitious environmental policy and the competitiveness of a country (Global Competitiveness Report 2000). Other studies have revealed a similar relationship (Sturm et al. 2000). Of course, this is no causal proof. The causal relation can go in both directions; also third factors (e.g. the GNP per cap.) may be important. But in the light of such a correlation nobody can longer insist on the traditional economic argument of an immanent contradiction between competitiveness and a demanding environmental policy. The strong correlation of the "third factor" GNP can be explained by the formula: Highly developed countries are characterised by both, high perceived environmental pressure and high capacity to react.

6 The open ("globalised") national economy needs and is characterised by strong government, both in size and scope.

This is contrary to the thinking of many neoclassic economists. There are crossnational studies showing that public expenditures in open economies in the OECD tend to be relatively higher (see: Cameron 1978, Garret 1998, Bernauer 2000). But it seems plausible to assume both, a larger size and a larger scope of government activities in countries being highly integrated into the international economy. Open economies need

- a well developed infrastructure for successful international competition, that means more money and more public activities in fields such as education, R&D or transport.
- the compensation of distributional and other effects of rapid structural changes connected e.g. with a low degree of protection of domestic industries.
- more regulatory activities of all kinds necessary to adapt to international developments (e.g. standards).

7 New technologies as a rule start from national "lead markets".

The ecological modernisation of the world market depends on national lead markets for environmental innovations (Jänicke/ Jacob 2001, Beise 2001). A lead market is "the core of the world market where the local users are early adopters of an innovation on an international scale" (Beise, 1999: 4). The U.S. as lead market for the internet, Japan as lead market for fax, or Finland as lead market for mobile phones are wellknown examples. Empirically, lead markets are characterized by e.g. high per-capita income, demanding, innovative buyers, high quality standards and pressure for change (see also F. Meyer-Krahmer, 2000).

Lead markets for *environmental* technologies, however, are characterised by two additional factors. 1. They are typically not only stimulated by higher environmental preferences of consumers in that country, but also by special promotion measures, or by political intervention in the market. 2. A lead market for environmental innovations relates to global environmental needs and is – due to market failures - strongly dependent on government support, sometimes also on support from NGOs such as Greenpeace or the media.

Here again the role of the highly developed nation state and of pioneer countries is crucial: The global economy and its multinational enterprises are still in need of locations where the risky take-off of a new environmental technology finds public support and innovative buyers who are willing to pay a higher price and accept the teething problems of that technology before it becomes cheap and effective enough to succeed on global markets. The regulators in Denmark and Germany created favourable market conditions and the customers of electricity in both countries were willing to bear the high price for wind power technology until it became competitive and profitable on the global market.

8 Environmental policy innovation as well as regression are caused primarily at the national level

In an expert inquiry for 20 different countries of the world we asked the participants: What are the main restrictive sectors in environmental protection? The answer was: First the energy sector, second road traffic, third agriculture, fourth the construction sector (Jänicke/Weidner 1997). These are actually sectors that are not under hard global competition, partly even the contrary is true (agriculture, the power industry, the construction industry strongly depend on public or regulated demand). A lot of times it is again the nation state who resists international regulation: Countries such as the US, Japan, the UK or, more recently, Denmark are examples of the double option of either being innovator or laggard in environmental policy.

9 The nation state will remain the "local hero", not least in the field of environmental protection.

There is no functional equivalent to national governments as highly visible, legitimised and competent territorial actors and protectors (Willke 1992). To whom could we address our complaints on environmental disruptions or issues such as BSE if not to this actor? Governments, on the other hand, have no exit option. They need both a material and political base. They do not react to economic pressure alone. The legitimation they need necessitates a broader orientation. The environment is an aspect that cannot be ignored. Therefore national governments try to seek compromises between the economy and the ecology. The answer is technology. As far as technology can provide solutions for environmental problems (in many fields we need more far-reaching "structural" solutions), the potential of national policy action is higher than generally assumed. This solution, however, is essentially restricted not only by the general availability of technology, but also to the more advanced countries.

THE NATION STATE AS "LOCAL HERO"

- · High visibility, "first address" in case of complaints
- Highest competence, also as actor in the global arena
- Monopoly of coercive power
- Financial resources
- High pressure for legitimation (compared to other levels)

M. Jänicke / FFU 2002

10 Global environmental governance strongly depends on both the competence and creativity of national governments and the international system as a complex mechanism of policy diffusion and coordination.

Of course this ("horizontal") view on the role of national governments is no alternative to the ("vertical") view on international institutions. The more interesting question is whether international regulation or the competitive role of pioneer countries represents the main motor of global environmental policy development. At the Johannesburg Summit the EU (strongly influenced by the German government), for the first time, has gone beyond the minimalist global consensus by stressing its pioneer role. Together with a large group of about 125 countries it is going to follow an ambitious policy to support renewable energies.

Two Approaches to Global Environmental Policy

- Consensus: "Governance by international regulations" (e.g. Kyoto protocol)
 - International institutions, negotiations and regulations
 - and their effects on national policies
 - Global consensus, often on a low level
 - "vertical" perspective
- Competition: "Governance by national pioneer policy" (e.g. obligatory feed-in tariffs; Alliance for renewable energies)
 - Influence of pioneer countries in terms of policy diffusion
 - Demonstration effects of policy innovations and best practice
 - Pressure by political and technological competition
 - "Horizontal" policy learning and lesson-drawing

Jänicke/FFU 2000/2

This paper has underlined the role of the pioneers, of innovation and diffusion. We need a lot more research on the role of (different) national policies as well as on the mechanism of political competition in the global arena to provide an answer to the question. But even if the competitive pressure (both in policy and technology) caused by pioneers in environmental policy would prove to be the most forceful driving force, the international institutions would play an important role as policy arenas and as agents of diffusion.

Conclusions

This short paper is not be misunderstood as an optimistic picture of globalisation. In general, we are not very successful in the field of environmental protection. The global economic development increases, both at the same time, the level of environmental pressure (e. g. in the field of transport) and the capacity to react to environmental problems. The race between those two tendencies may not be won by environmental policy. The question is, however, whether globalisation is the main problem.

In sum, neither the increased importance of global markets nor the globalisation of political governance have weakened the role of national governments. "...the economic dimensions of globalisation have had little, if any, impact on lowering national regulatory standards, while the social and political dimensions of globalisation have, on balance, contributed to the strengthening of national regulatory standards" (David Vogel, 2001). "States in concert" have expanded and coordinated their regulatory powers. And it is only the state, the guarantor of diverse societal interests, that has the competence, the resources, the coercive power and legitimacy "to regulate the actions of disparate actors who, in their pursuit of individual gain, might otherwise destroy shared environmental resources" (Raustiala, 1997).

One important reservation, however, needs to be made: It is the highly developed nation state which has preserved or even increased his capacity in the context of globalisation. The situation of the less developed countries may be viewed quite differently.

Keeping this in mind, we could draw two political and normative conclusions from the above ten statements:

First, there is a remarkable potential in the advanced OECD countries to promote change by the adoption of a pioneering policy, the stimulation of international competition and the diffusion of best practice. This may sometimes be more helpful than relying only on weak and/or on weakly implemented treaties (such as the Kyoto protocol). Secondly, this potential of the highly advanced countries may be seen as a moral argument to assume a higher responsibility for the global environmental development. The advanced nations cannot not hide behind the fictive monster of globalisation, seemingly legitimising any kind of inactivity. On the contrary, it is their obligation to provide the world with better "demonstration effects", with a better model of production and consumption overcoming the resource and environment intensive model of the past.

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