## **Energy Transitions and Urban Equity**

Rethinking Climate Justice through Local Infrastructure

ANNE 0ETTLI AND TERESA-LAURA LIESKE CONVERSATION WITH HANNES WEIGT AND ANNIKA SOHRE

of Basel. The first one was Prof. Dr. Hannes central to the understanding of climate justice Weigt, a professor of Energy Economics, and from an economic perspective: it is not about Dr. Annika Soehre, an environmental scientist moral appeals to individuals or companies, but researchers at the Faculty of Economics to that are made available to cost-causing actors. learn about the influence of economy on climate The market is not the problem here - it is their professional opinions and experiences on account of external costs such as environmental these topics in the context of their teaching damage or social inequality. at the University of Basel. Both are active in the Research Network Sustainable Future, which conducts interdisciplinary projects and questions the distribution: who bears the costs initiatives with researches from the University of the energy transition - and who benefits? in the fields of and initiatives in the areas According to Weigt, these distribution issues Energy, GeoBio and the Sustainable Digital are economically central and politically highly World. First, we will analyse the interview with controversial. They can be seen, for example, in Hannes Weigt and the second part of the paper debates about heating costs, mobility changes or will focus on the talk with Annika Soehre. CO2 pricing: while climate policy measures make

## Hannes Weigt

of energy and electricity market regulation in while CO<sub>2</sub> emissions cause real, socially Switzerland and Europe. In our conversation with perceptible costs, these are often not factored him, it became clear that anyone who wants to into the price. Only through pricing they become take climate justice seriously must deal with visible - but also politically vulnerable. the logic of the market - and with the limits The result: although the restructuring of the that can and must be set by society and the energy system is necessary, it is perceived by state.

companies are not moral actors - they act calls for more awareness, that the increasing according to the logic of profit maximization. costs are not new costs, but costs that are Responsibility for climate-friendly behaviour paid, by future generations, the environment or can therefore not be expected from companies, other people in the world. but must be demanded through clear regulatory framework conditions. Markets work - but only within the rules of the game that we give them. researching Basel, he identifies two central It is therefore the task of science, politics fields of action in which climate justice is and society to shape these rules in such a locally relevant: Heat supply and mobility. Both

For our second part of the course, we way that even profit-oriented companies act in interviewed two experts at the university the interests of the common good. This idea is at the university. We specifically looked for about structural incentives and binding rules justice and conducted these interviews find out rather the regulatory failure to take sufficient

Another focus of the discussion was social sense and save costs in the long term, they mean higher costs for many households in the short term - and therefore potential resistance from these. To Weigt, this is a typical conflict Hannes Weigt's research focuses on questions between individual and social cost perception: many as unfair or burdensome. This represents a key challenge for climate-friendly policy During the interview, Weigt makes clear that acceptance. Addressing individuals directly, he

Although Weigt himself is not specifically

areas directly affect the everyday lives of the one - with many structural barriers, but also population - and therefore harbour considerable numerous levers for change. potential for inequality. In the area of the heating transition, Weigt refers to typical be expected when switching to district heating promises ecological progress, and avoid inequality.

of Basel, Weigt emphasizes three central levers energy poverty than assumed. This contradicts with which universities can contribute to the widespread assumption that Switzerland is climate justice:

on sustainable development, e.g. a Bachelor's program that systematically integrates climate

combine social, economic and ecological aspects research shows that local participation and of transformation.

of Basel to translate and implement scientific political framework conditions and regulation findings into concrete policies.

Weigt is involved, is a first attempt to bring benefits and will only act in a climate-friendly together researchers from different disciplines. manner if corresponding political guidelines However, it lacks clear institutional anchoring exist. She agrees with economist Hannes Weigt faculty center that responds specifically to companies must not be released from their the challenges of sustainable development.

showed us how central the economic perspective both top-down structures and the promotion is to the discussion on climate justice - and of local commitment - otherwise there is a how important it is not to think in moral risk of excessive demands or even a backlash categories, but to create structured framework from populist counter-movements that oppose conditions. Companies and markets follow their ecological measures if they are perceived as own logic - it is the task of society to control unfair or elitist. Compared to Dr. Weigt, who this logic, not to complain about it.

## Annika Sohre

in her research. As part of the Network on responsibility should not be shifted

A central theme of Soehre's research is soproblems such as the tenant-landlord dilemma: called Positive Energy Districts - neighbourhoods landlords have to invest, while tenants bear the that produce more energy than they are supposed (energy) costs. Social inequalities are also to to consume. This technically ambitious concept or heat pumps if certain households are unable considerable social risks. As Soehre points out, to finance these conversions. He also sees such districts are often created as high-priced potential for conflict in mobility - for example, new buildings that remain inaccessible to lowif car-free zones are introduced or fossil- income groups. The result: instead of justice, fuel vehicles are banned, which particularly new exclusions are produced. To counteract this, affects people without alternatives. Local Soehre is investigating how energy vulnerability climate policy must therefore create targeted - i.e. the risk of spending a disproportionate compensation mechanisms to ensure acceptance amount of income on energy - can be taken into account in planning and implementation. According to Soehre, a nationwide survey showed When asked about the role of the University that significantly more households suffer from fundamentally prosperous and resilient. This is where it becomes clear that climate justice must Teaching: expanding interdisciplinary courses also be negotiated locally in the Global North.

During the discussion, Soehre made it clear that climate justice must always be understood Research: Greater promotion of projects that as an interplay between different levels. Her bottom-up initiatives (such as superblocks or Engagement: Strategic cooperation with the City neighbourhood projects) are crucial - but that remain necessary at the same time. She cites the behaviour of business as an example: companies The Sustainable Futures Network, in which act according to the principle of maximizing - for example through an institute or a cross- in this assessment - but also emphasizes that responsibility, as they have market and political influence. Climate justice is The conversation with Prof. Dr. Hannes Weigt ultimately a question of governance: it requires sees the way how "the economy" works as given, she is more open to rethink it fundamentally with ideas such as degrowth.

When asked about the role of the individual, Our second interview, we conducted with Soehre emphasized that committed individuals Annika Soehre, who combines interdisciplinary are often a driving force behind sustainable perspectives with concrete local challenges projects. At the same time, however, the entire Sustainable Futures and her projects on Energy individuals. Commitment must be possible at Communities and Positive Energy Districts, she different levels of intensity - not everyone has worked intensively on issues of climate can work full-time for sustainability. Social justice in Basel and Europe. Our conversation norms and imitation effects are particularly with her shows that climate justice is not only effective: If climate-friendly behaviour becomes a global issue, but also a highly topical local visible in one's own environment, this lowers the hurdle for others to become active themselves. teaching and practice on climate justice. This confirms many of the discussions in the seminar on the impact of everyday practices and cultural change.

role as coordinator of the Sustainable Futures realization that has relevance beyond Basel. Network shows how difficult interdisciplinary collaboration can be in a university context. Faculty boundaries, a lack of budgets and rigid Soehre and Prof. Dr. Hannes Weigt impressively structures hinder the development of a truly show how diverse the topic of climate justice integrated approach to sustainability. Soehre can be thought about and researched - and how calls for a "vessel for interdisciplinarity" - much local strategies benefit from different whether as a new institute or a cross-faculty scientific perspectives. centre - that better integrates research,

Our conversation with Dr. Soehre has shown that climate justice is a multi-layered, often contradictory field. Technological innovations What can the University of Basel do itself? alone are not enough - social participation, Soehre sees many good approaches in the political frameworks and cultural change are university's climate strategy - but also just as crucial. Basel offers many starting major implementation gaps. The strategy is points: from local superblock initiatives to ambitious, but now needs to be substantiated and energy districts and university strategies. implemented more boldly. This concerns not only However, all of these approaches need to be more technical measures, but also the involvement coordinated and inclusive. Climate justice is of all faculties and groups, from the student created where structural transformation comes body to the professors. At the same time, her together with democratic participation - a

In conclusion, the discussions with Dr. Annika

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