

Sufficiency's integration into climate and energy strategies

Briefing note

October 2022

Energy and climate transition scenarios are crucial tools to anticipate and plan the necessary transition towards climate neutral, environmentally compatible, and resilient economies.

However, most scenarios published to date have sought to achieve the transition through ambitious technological changes, despite the potentially related investments and environmental risks. Sufficiency, which is about redesigning our societies and needs to rely less on resource intensive services (energy, material, land) to achieve well-being, has been underrepresented in that regard. It has recently gained prominence in Europe in the context of the energy crisis, calling for rapid energy saving measures, but is still a taboo word in most public policies and political discourse.

This briefing note aims to demonstrate the potential of sufficiency as a key lever for making economies climate neutral and resilient, as illustrated by the CLEVER scenario, a collaborative Low Energy Vision for Europe towards net zero emissions by 2050 at the latest.

Pathway To Energy Sufficiency The 2050 Study

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Pathway To Energy Sufficiency The 2050 Study:

Pathway to Energy Sufficiency John S. Steinhart, 1979 **Resettling America** Gary J. Coates, 2023-06-10 Nominated for 1982 Transformational Book Award an international competition sponsored by Renewal Magazine *Low Energy Futures for the United States*, 1980 **Housing and Planning References**, 1979 **No Nukes** Anna Gyorgy, 1979 A classic A comprehensive and accessible presentation of the ins and outs of nuclear power It includes explanations of nuclear plant operation the fuel cycle health and safety hazards the economics and politics of nuclear power international anti nuclear programs and alternative energy sources Trends Affecting the Future of the Fish and Wildlife Service Vary T. Coates, Grant H. Prillaman, Joseph F. Coates, 1983 *National Energy Plans in the Asia-Pacific Region* Guy J. Pauker, 2013-10-22 National Energy Plans in the Asia Pacific Region is a collection of papers presented at Workshop III of the Asia Pacific Energy Studies Consultative Group held in Honolulu Hawaii at the East West Center from 25-28 February 1980 The collection presents a framework for energy policies in the Asia Pacific Region energy policies of the United States oil exporting countries industrial oil importing countries and countries importing more than and less than 50% of their oil requirements and the role of international institutions in energy research International energy policy makers and researchers will find the book invaluable Living With Energy Shortfall Jon Van Til, 2019-04-16 This book is about the ways Americans may live in the years ahead and the forms their cities suburbs towns and rural areas may take in the light of changing patterns of energy supply and societal affluence It is written for the ultimate energy policy maker the private citizen *SERI-RR*, 1980 **Florida's Renewable Energy Potential** United States. Congress. House. Committee on Science and Technology. Subcommittee on Energy Development and Applications, 1981 **Future Survey Annual**, 1980 The Climate and Development Challenge for Latin America and the Caribbean Walter Vergara, Ana R. Rios, Luis Miguel Galindo Paliza, Pablo Gutman, Paul Isbell, Paul Hugo Suding, Joseluis Samaniego, 2013-04-22 This book is a joint effort lead by the Inter American Development Bank IDB in collaboration with the Economic Commission of Latin America and the Caribbean ECLAC and the World Wildlife Fund WWF focused on the climate and development challenge for LAC It deals with a matter that is bound to affect the likelihood of achieving sustainable progress in Latin America and the Caribbean Indeed climate change is already affecting the foundations on which Latin American societies rely for sustenance and welfare **Pathways to Low-Carbon Development for Viet Nam** Asian Development Bank, 2017-12-01 Viet Nam has had rapid economic growth in recent years but this growth has been energy dependent even as the energy system has become more carbon intensive This study uses a bottom up model to evaluate 63 measures to reduce greenhouse gas emissions from household electricity industry power generation and transport It finds potential for emissions reduction by 53% in 2050 and that much of this reduction can occur at low or negative financial costs Moreover these measures are found to ultimately lead to faster and more inclusive economy wide growth Policy measures are identified to help realize the modeled potential *IES Report*

,1972 **Climate Change 2022 - Mitigation of Climate Change** Intergovernmental Panel on Climate Change (IPCC),2023-08-17 This Working Group III contribution to the IPCC Sixth Assessment Report provides a comprehensive and transparent assessment of the literature on climate change mitigation The report assesses progress in climate change mitigation options for reducing emissions and enhancing sinks With greenhouse gas emissions at the highest levels in human history this report provides options to achieve net zero as pledged by many countries The report highlights for the first time the social and demand side aspects of climate mitigation and assesses the literature on human behaviour lifestyle and culture and its implications for mitigation action It brings a wide range of disciplines notably from the social sciences within the scope of the assessment IPCC reports are a trusted source for decision makers policymakers and stakeholders at all levels international regional national local and in all branches government businesses NGOs Available as Open Access on Cambridge Core *Global Energy Assessment* Thomas B. Johansson,Anand Prabhakar Patwardhan,Nebojša Nakićenović,Luis Gomez-Echeverri,2012-08-27 Independent scientifically based integrated policy relevant analysis of current and emerging energy issues for specialists and policymakers in academia industry government *Subject Guide to Books in Print* ,1983 **Energy Economics** Subhes C. Bhattacharyya,2019-11-02 This book provides an updated and expanded overview of basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues in the light of recent developments such as the Paris Agreement the UN Sustainable Development Goals and new technological developments in the production and use of energy The new edition is divided into four parts covering concepts issues markets and governance Although the content has been thoroughly revised and rationalised to reflect the current state of knowledge it retains the main features of the first edition namely accessibility research informed presentation and extensive use of charts tables and worked examples This easily accessible reference book allows readers to gain the skills required to understand and analyse complex energy issues from an economic perspective It is a valuable resource for students and researchers in the field of energy economics as well as interested readers with an interdisciplinary background **China's Long-Term Low-Carbon Development Strategies and Pathways** Institute of Climate Change and Sustainable Development of Tsinghua University et al.,2021-11-30 This open access book introduces a multi disciplinary and comprehensive research on China s long term low carbon emission strategies and pathways After comprehensively considering China s own socioeconomic conditions policy design energy mix and other macro development trends and needs the research team has proposed suggestions on China s low carbon development strategies and pathways until 2050 with required technologies and policies in order to realize the goals of building a great modern socialist country and a beautiful China These achievements are in conjunction with the climate goals set in the Paris Agreement alongside Global Sustainable Development The authors hope that the research findings can serve as a reference for all sectors of Chinese society in their climate research efforts offer support for the formulation and implementation of

china s national low carbon development strategies and policies and help the world to better understand China s story in the general trend of global green and low carbon development *Sustainable Energy Policies for Europe* Rainer Hinrichs-Rahlwes,2013-09-25 The discussion about energy perspectives beyond 2020 up to 2030 and eventually 2050 has started There seems to be a verbal consensus on the necessity of ambitious climate change mitigation policies without a convincing perspective of the necessary policy decisions to be reached in due time Methods to achieve greenhouse gas reduction as well as energy security vary from aiming for 100% renewable energies and setting up appropriate policy frameworks to implementing a mix of renewables comprising so called clean fossil and nuclear energy This book provides an analysis of the different approaches and the reasons why there is no sustainable alternative to aiming for 100% renewables and how this vision could come true The book provides an overview and in depth analysis of a vital debate It describes how the present policy framework with 2020 targets for the share of renewables for increase of energy efficiency and for greenhouse gas emissions reduction was developed and how it has been implemented so far Furthermore it describes and analyses the emerging debate about the future of our energy system and the necessary next steps and targets leading up to 2030

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