Record Nr. UNINA9910299626603321 Autore Crastan Valentin Titolo Global Energy Demand and 2-degree Target, Report 2014 / / by Valentin Crastan Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2014 **ISBN** 3-319-12310-6 Edizione [1st ed. 2014.] 1 online resource (266 p.) Descrizione fisica Disciplina 333.7 333.79 338926 551.6 Soggetti Energy policy Energy and state Climate change Environmental economics Renewable energy resources Energy Policy, Economics and Management Climate Change/Climate Change Impacts Climate Change **Environmental Economics** Renewable and Green Energy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto Introduction -- Summarizing Preview -- World -- OECD-34 -- EU-27 -- Middle East -- Eurasia+ -- Rest of Asia/Oceania -- Non-OECD America -- Africa -- G-20 -- G-20 countries, indicators and 2°C scenario -- Population, GDP, Energy and CO2 emissions of World, OECD, Non-OECD, G-20. This report takes a neutral and independent point of view in attempting Sommario/riassunto

to show concrete ways to achieve the goal of reducing CO2 emissions and limiting global warming to the 2-degree target. It presents an overall picture spanning all key countries. In the report, the temporal

evolution of the main parameters is given from 1970 to 2011 for all regions of the world and all G-20 countries, starting from the basic data, gross domestic consumption. The parameters are then extrapolated to 2030, taking into account current trends, local factors and the requirements of the 2-degree climate target. An important basis is the structure of the current energy consumption and energy flows of all regions of the world and all G-20 countries, which is analyzed in the appendix in detail and reproduced as clearly as possible. The reports from climate science make it clear that with a greater level of warming, adaptation is the more expensive option. Compliance with the 2-degree climate target is a challenge, but not impossible. The book is intended not only for the scientific community but also for decision makers in government and industry.