




Special Issue Call for Papers in CEREM: Structural Changes in Energy Issues

In the field of applied economics, models are constructed and predictions are derived based on available data. However, an essential concern arises when structural changes exist within the dataset. Failing to account for these changes during model development can lead to misleading estimates and predictions. Therefore, it is crucial to identify the locations of these changes prior to model building. There are instances where researchers anticipate the presence of structural changes at specific points in time, such as during economic crises or significant events like the COVID-19 pandemic. In such cases, when the change point is known, the widely accepted approach is to employ the Chow test. However, in scenarios where the change point is unknown, the detection of such points is commonly accomplished using tests like the Sup F test or CUSUM test. These methods aid in identifying structural changes within energy-related datasets as well. Given the potential for structural changes in energy issues, this special issue call for papers warmly invites applied works that focus on detecting and understanding these changes. The following list presents some suggested topics for contributions to this special issue of CEREM (Central European Review of Economics and Management, <https://www.cerem-review.eu/>):

- Impact of Economic Crises on Energy Markets: Identifying structural changes in energy markets during economic downturns and their implications for pricing, demand, and supply.
- Structural Shifts in Renewable Energy Adoption: Examining significant changes in the adoption patterns of renewable energy sources and their drivers, such as policy changes, technological advancements, and market dynamics.
- Energy Infrastructure Transformations: Investigating structural changes in energy infrastructure development, including shifts in investment patterns, transmission networks, and storage technologies.
- Behavioral Changes in Energy Consumption: Exploring structural shifts in consumer behavior and preferences that impact energy consumption, such as the adoption of energy-efficient technologies or changes in lifestyle choices.
- Macroeconomic Factors and Energy Demand: Analyzing the influence of macroeconomic variables, such as GDP growth, inflation, and employment, on energy demand and identifying potential structural changes in their relationship.
- Policy Shifts and Energy Markets: Assessing the effects of policy interventions, regulatory changes, and energy market reforms on structural shifts in energy pricing, market competitiveness, and investment decisions.
- Environmental Factors and Energy Transition: Investigating the role of environmental factors, such as climate change policies, carbon pricing mechanisms, and sustainability goals, in driving structural changes within the energy sector.

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- Technological Innovations and Energy Transition: Examining the impact of disruptive technologies, such as energy storage, smart grids, and electric vehicles, on structural changes in energy production, distribution, and consumption.
 - Long-Term Energy Scenarios: Developing scenario-based analyses to explore potential future structural changes in energy systems under different socio-economic, environmental, and policy conditions.
 - Energy Market Integration and Structural Change: Investigating structural changes and integration challenges in regional or international energy markets, including cross-border energy trade, market coupling, and harmonization of regulations.

Other related contributions are welcome. Normal CEREM procedures do apply.

Important Dates

- November 15, 2023: deadline contact authors to hand in abstract.
- January 15, 2024: deadline for contact authors to send in first draft.
- March 15, 2024: reviewers (1 author other article + 1 editor) deadline.
- May 15, 2024: deadline for contact authors to send in final draft.
- July 15, 2024: copy-editing process with CEREM to be finalized.

Editors of the Special Issue

Assoc. Prof. Sidika Basci, Ankara Yıldırım Beyazıt University, Türkiye
E-mail : sidika.basci@gmail.com

Dr. Wim Westerman, University of Groningen, The Netherlands
E-mail : w.westerman@rug.nl

Please submit your contributions to both Sidika Basci and Wim Westerman.