From Crude Oil to Renewables: When the Wind is Blowing across Oil Giant
Renewable energy continues to grow fast in the US despite Covid 19. In a remarkable move, the market capitalization of NextEra Energy, the world's largest producer of wind and solar energy, passed in December 2020 (at more than $145 billion) the one of Exxon Mobil, the oil giant which used to be [...]

Economic Modelling and the Constraints on Green Energy Growth
As macro-level modelling has become a key tool in guiding climate policies, the manner of representing the green energy sector is ultimately of importance for the way we support it. In particular, the development of green energies happens in a context that can be uneasy for economists where [...]

Programming, Numerical Methods, Financial Models and Risk Management - so why is that relevant in GrEnFin?
In computational finance, state-of-the-art numerical methods and computer methods are adopted to put a financial model into work. Methods like Monte-Carlo simulation, regression and machine [...]

Green Hydrogen Economy - The Portuguese Case
Within the scope of the Roadmap for Carbon Neutrality 2050 and, more specifically, at the level of the National Energy and Climate Plan 2030, the entry of Hydrogen into the Portuguese energy system is an inescapable fact. The contribution of Green Hydrogen to the energy transition [...]

Italy Entered the Market of Sovereign Green Bonds
On February 25, 2021, the Italian Ministry of Economy and Finance has published the "Framework for the issuance of Sovereign Green Bonds", according to which the first BTP Green will be issued. BTP Green is the new Italian government bond designed to support the environmental goals [...]

Just Transition Development Plan of Greek Regions in the post-Lignite Era
The Greek government is committed to the withdrawal of lignite power plants located in areas of the region of Western Macedonia (6 units of 4,438 MW) and the Municipality of Megalopolis in the Peloponnese region (2 units of 850 MW) by 2028 and for this reason "The Just Transition Development Plan" [...]

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