PROPOSAL OF PROJECT FOR JOINTLY SUPERVISED DOCTORAL THESIS UNITA

Cultural Heritage □;   Circular Economy □;   Renewable Energy ■;

Interdisciplinary ■

Title of the project:

Conventional energy versus renewable energy: the impact of turbulences

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Description of the PhD project

Over the last decades, conventional and renewable energies have played a crucial role in the economic field, also having deep implications in the environmental area. The transition process from oil to renewable energy is significantly advanced but is still far from the targeted agenda.

Although renewable energy showed its valence over time, the recent pandemic disease evidences unexpected aspects. More precisely, the post-pandemic shock reveals that the renewable energy market does not have the needed elasticity to react accordingly, the pressure of conventional energy consumption provoking an 'explosion' of international oil and gas prices. Not only the pandemic crisis has been impacted the market, but also the current Ukrainian war.

In this context, the main project objective is to explore the socio-economic consequences of co-movement between conventional energy and renewable energy by considering a large pallet of turbulences, running from economic to financial, pandemic and geopolitical shocks.

Different econometric methodologies in both time- and time-frequency domains are expected to serve as empirical ground, validating the results.