



## BIWAES 2021—Biennial International Workshop Advances in Energy Studies "Empowering Communities, Beyond Energy Scarcity"

Guest Editors:

**Prof. Dr. Sergio Ulgiati**

**Prof. Dr. Hans Schnitzer**

**Dr. Remo Santagata**

### Message from the Guest Editors

This Special Issue refers to the 11th edition of BIWAES, which will take place in parallel to the European Roundtable “Consumption and Production in a plus 1.5°C World”.

#### *A New Energy Scarcity*

Achieving sustainable economies and shared wellbeing calls for an urgent re-framing of the energy problem toward a balanced mix of solutions. The latter include technological improvement, use of energy resources consistent with their thermodynamic properties, a selection of environmentally friendly sources and carriers, suitable approaches to monitoring of impacts, lifestyle equity and reduction of energy poverty, and careful management of the energy-water-food-environment nexus.

#### *Empowering Communities*

#### *Interdisciplinary Evaluations*

It clearly appears that the energy problem cannot only be addressed in thermodynamic or technological terms. A deeper understanding of trends, solutions and policies can only be achieved through converging efforts by different disciplinary sectors, so that economic, social, environmental, cultural, and psychological expertise converges into an innovative picture of local and larger communities toward shared wellbeing.





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## Message from the Editor-in-Chief

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