

Systematic literature review of studies at the nexus of gender and energy transition

Authors: Lucio Pisacane, Serena Tagliacozzo, Marco Cellini, Cloe Mirenda, Chiara Vassillo, Clemens Striebing, Sabine Loose
Contributors: all partners



SLR Objectives

1

Identifying the **state of the art** of the research on the nexus between gender and energy transition, encompassing the different aspects in which the transition develops itself and the differences between diverse socio-economic contexts.

2

Identifying the main **research gaps** in the available literature on the gender-energy nexus.

3

Identifying the **policies recommendation** formulated by the relevant literature on the gender-energy nexus.





Knowledge gap

Limits of previous SLR on the gender-energy transition nexus:

- Focus on the **effect of the transition on women**, not considering the other side of the coin (e.g. role of women in ET).
- Gender just as a **dimension or a variable among other**.
- **Country or regional focus**.
- Assess only **specific contextual aspects** of the nexus.



gEneSys SLR contribution

Comprehensively assess the nexus considering:

- **Reciprocal effect** of each dimension on the other.
- **Cross-country** and **cross-region** perspective.
- **Multidisciplinary view**.
- **Multiple scope** perspective.



Data and sample

**Data extraction from
Web of Science.**

647 papers

**Abstract screening
inclusion/exclusion
criteria.**

288 papers

Articles' reading

136 papers excluded
because they don't
assess the G-ET nexus.

152 papers



Mix of quantitative and qualitative methods.

Data analysis in 2 phases:

1th phase

Descriptive statistics

(e.g. publication n. by year, journal, type of publication, gender issue assessed, research methods, identifying research gaps, including policy recommendation, etc.)

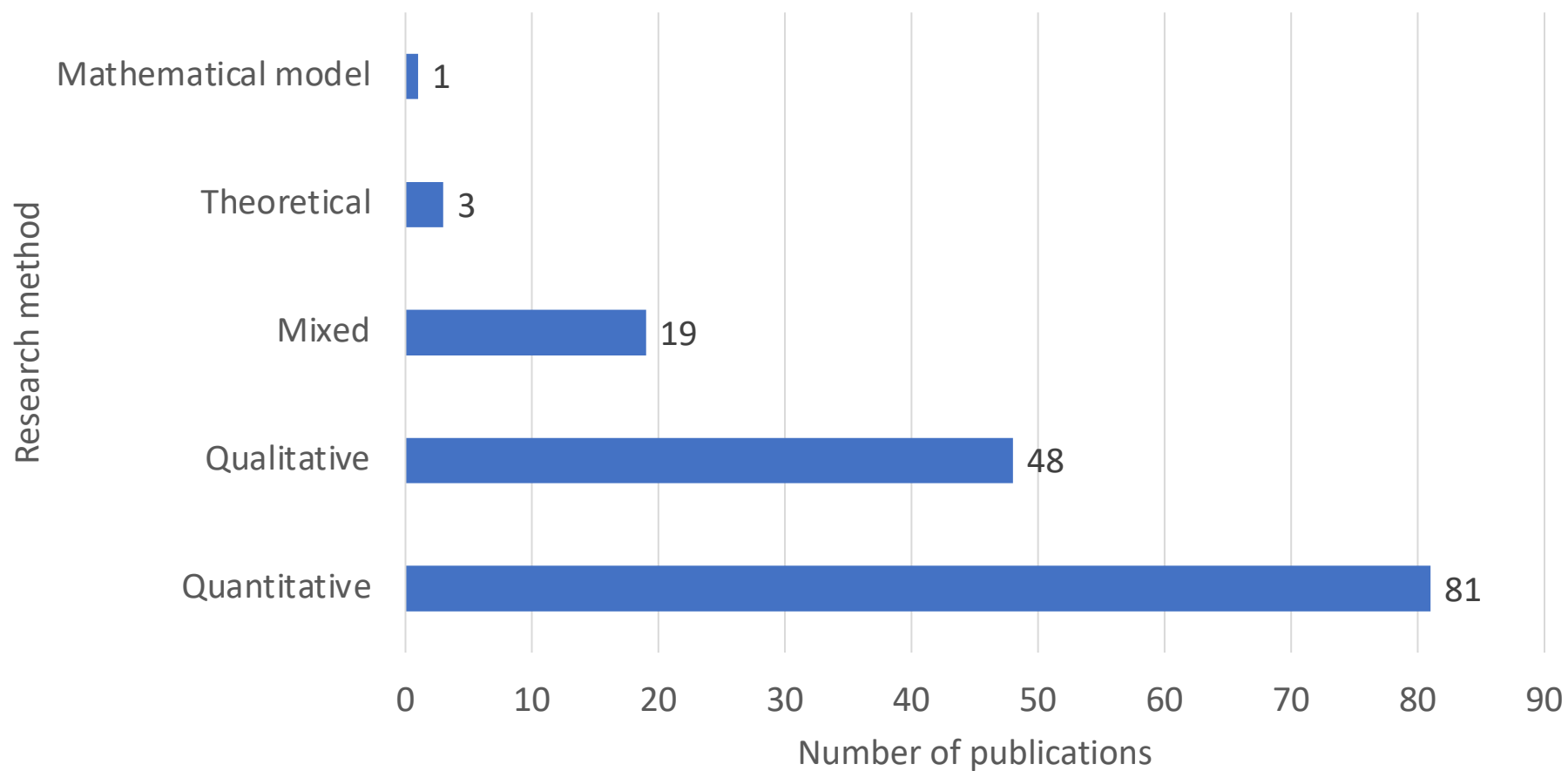
2nd phase

Manual text analysis

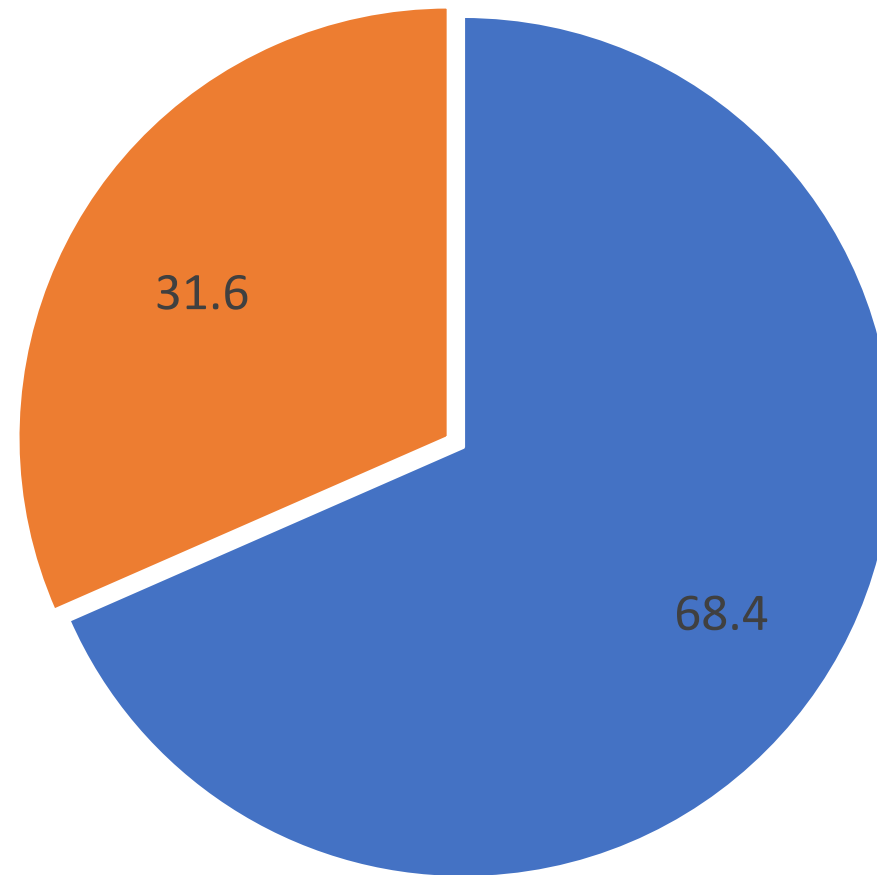
on the publications' results, the research gap to be assessed by future research, and policy recommendations.



Publications by research method

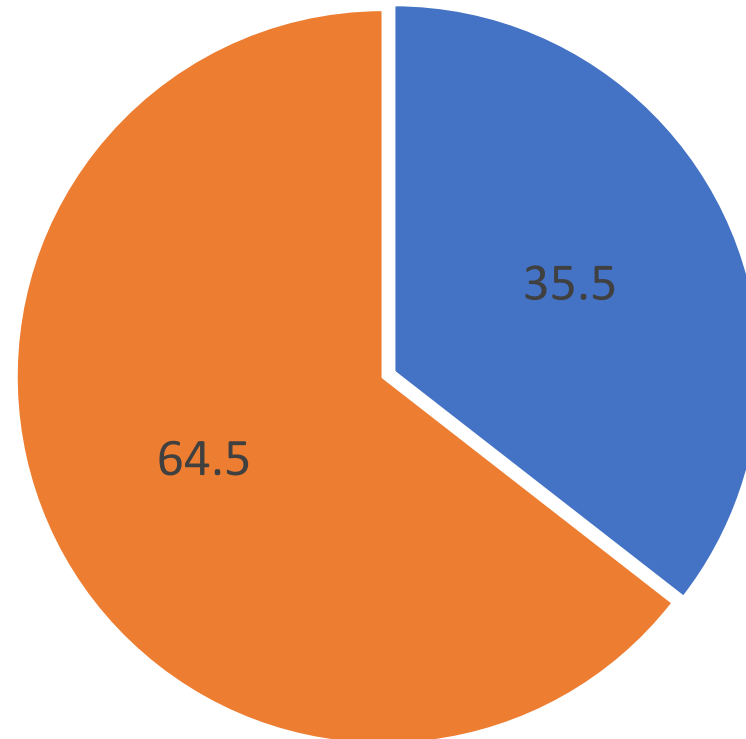


Publications identifying research gaps for future research



SLR quantitative results

Publications presenting policy recommendations



SLR qualitative results

- Nexus between gender and energy transition is **heterogeneous**, spanning several different disciplines.
- Lack of **gender disaggregated data**.
- Gender issues are strongly dependent on **context-specific cultural factors and norms** and on established social roles.
- There are many aspects of the nexus that have received **little to no attention** and need to be investigated to fully understand the phenomenon.



SLR qualitative analysis results

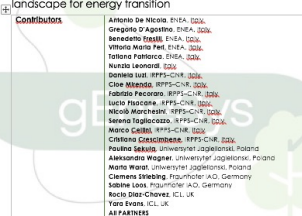
- Need for more **comprehensive investigations** on the gender implications of the technologies used for the transition.
- The transition to renewable energy can be, in various regions worldwide, a **double-edged sword for women**.
- The transition needs to be driven and regulated through appropriate **policies**.



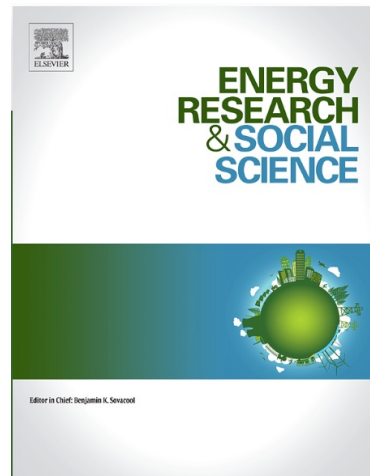
Research outputs

D.1.1 - SYSTEMATIC LITERATURE REVIEW OF STUDIES AT THE NEXUS OF GENDER EQUALITY AND SUSTAINABLE ENERGY SYSTEMS AND ONTOLOGY OF ENERGY SYSTEMS

WP1 - Gendered analysis of knowledge creation landscape for energy transition



Contributors	
Annalisa De Nicola	ENEA, Italy
Gregorio D'Agostino	ENEA, Italy
Benvenuto Esposito	ENEA, Italy
Veronica Maria Fedi	ENEA, Italy
Filippina Fontana	ENEA, Italy
Luca Leonardi	ENEA, Italy
Domenico Lisi	IFPPI-CNR, Italy
Claudia Mariani	IFPPI-CNR, Italy
Fabrizio Pecorella	IFPPI-CNR, Italy
Luca Pizzocci	IFPPI-CNR, Italy
Nicola Moro Stan	IFPPI-CNR, Italy
Saverio Tagliacozzo	IFPPI-CNR, Italy
Marcello Tassinari	IFPPI-CNR, Italy
Cristiana Cristoforetti	IFPPI-CNR, Italy
Paulina Górska	University of Jagiellonian, Poland
Aleksandra Węgrzyn	University of Jagiellonian, Poland
Marek Wasił	University of Jagiellonian, Poland
Christiane Streibig	Fraunhofer IAO, Germany
Susanne Loo	Fraunhofer IAO, Germany
Richard Smith-Chavez	ICL, UK
Yara Ezzamel	ICL, UK
APPARITNESS	



- **Deliverable 1.1 of the gEneSys Project**, together with an Ontology of energy systems (performed by ENEA), and a systematic review of grey literature (performed by Jagiellonian University). Submitted in November 2023.
- We are currently working on a **review paper** to be submitted to the Energy Research & Social Science Journal.





gEneSys

Thanks!

For any question or information request, please, do not hesitate to send an email to:

marco.cellini@irpps.cnr.it