

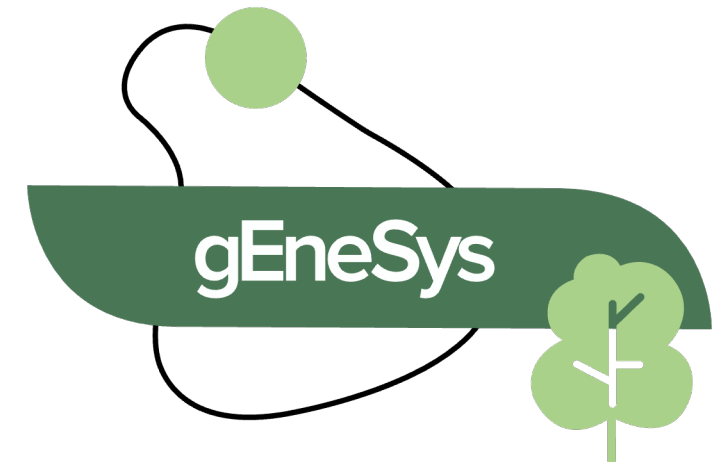
What will be learn from the gEneSys project

Serena Tagliacozzo, CNR-IRPPS

gEneSys_Transforming Gendered Interrelations of Power and Inequalities in Transition Pathways to Sustainable Energy Systems

Research and Innovation project funded under the Horizon Europe Framework Programme

- CNR (Italy)
- ENEA (Italy)
- Fraunhofer CERRI (Germany)
- Imperial College of Science Technology and Medicine (UK)
- Jagiellonian University (Poland)
- African Institute for Mathematical Science (Rwanda)
- Portia (Germany)
- Venice International University (Italy)





gEneSys vision



gEneSys advances understanding of **gender & social inequalities** in **energy transition policies, processes & outcomes**

gEneSys' vision revolves around four core dimensions:

Energy transitions as a key setting to **reverse gender inequalities in R&I innovation**

Energy transition as **socio-technical subsystems interaction**: systemic thinking and acknowledge the interconnectedness

Energy transition and the need for **social sciences: key role for citizens behaviors**

Cross-border and multistakeholder **cooperation as enabler of a just energy transition**





1. Energy transition as socio-technical subsystem

1. Analyse existing knowledge related to the energy transition
2. Create an ontology capturing the different meanings, domains and aims of the energy transition
3. Understanding compositions, connections and interests of the knowledge communities
4. Gendering the targets of SDG7 for gender sensitive implementation efforts

2. Energy transition as key to reverse gender inequalities

1. Incorporate gender perspectives in training programmes of RPOs/higher education curricula
2. Gendering EUA recommendations for research, innovation, and education
 3. Survey to analyse interaction of socio-demographic characteristics in energy use/exclusion
4. Identify additional Africa-specific evidence on structural and cultural barriers to women's participation in energy transition
5. Survey on the production and reproduction of inequality in energy-related research environments





3. Energy transition and the integration of social sciences

1. Apply gender informed SSH questions to SDG7 targets
2. Develop concrete recommendations to interconnect science-policy-society sustainability agendas
3. Explore intersectional pattern of citizens orientations and behaviours towards energy transition
4. Help advance approaches to Responsible Research and Innovation

4. Just transition through collaboration

1. Collaborate with key stakeholders for the co-creation of credible and sustainable pathways that transform gender power relations and enable a fair and just energy transition
2. Identify the past and still current international cooperation programmes around energy transition between Europe and Africa
3. Amplify relevant voices across energy transition ecosystems in Europe and Africa

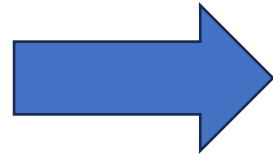




Ongoing activities

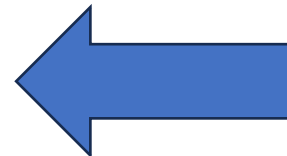


ENERGY-RELATED KNOWLEDGE COMMUNITIES AND GENDER BIASES



- Analysis of the energy-related publications
- Social Network analysis of male/female authors in energy-related publications

- Survey addressed at the workforce working in energy R&I in universities, research centres and private companies in Italy, Poland, Germany and the UK to explore gendered beliefs and biases in the energy sector



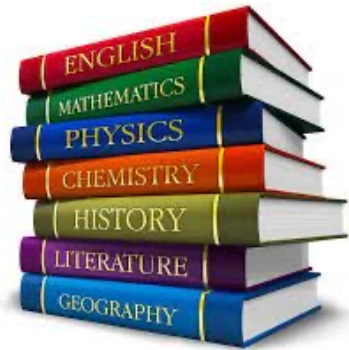
ANALYSIS OF ENERGY POLICIES



Policy analysis of the EU member states' Recovery and Resiliency Plan through the NRRP Gender-Energy Assessment Framework to assess to what extent the energy transition has been addressed in a gender sensitive way.



ENERGY-RELATED CITIZENS' BEHAVIOR AND TEXTBOOKS' ANALYSIS



Analysis of the social representation of women in science subjects' textbooks in primary and secondary schools, with a specific focus on energy-related dimensions and topics in Italy, Poland, UK and Germany



Survey on 30,000 citizens in ten countries (6 in Europe and 4 in Sub-Saharan Africa) to explore intersectional aspects of energy consumption and energy poverty





Funded by
the European Union

Thank You !



This project has received funding from the European Union's Horizon Europe - Culture, creativity and inclusive society - under grant agreement no. 101094326
Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the granting authority.
Neither the European Union nor the granting authority can be held responsible for them