

W4RES Survey on users needs and perceptions regarding RHC uptake and the role of women in the sector

Fields marked with * are mandatory.



Welcome note

Dear participant, welcome to our survey!

The survey lasts about 10 minutes. There are no right or wrong answers, this is about your views. All data is anonymised and your privacy is guaranteed.

Thank you for helping us gather relevant information!

What is W4RES all about?

W4RES - “Scaling up the involvement of women in supporting and accelerating market uptake of renewable energy sources for heating and cooling” is a 3-year project funded by the European Union within the framework of the H2020 Research and Innovation programme.

W4RES project aims to scale-up the involvement of women in the market deployment and uptake of Renewable Heating and Cooling (RHC) solutions via replicable support measures tested and validated across 8 European countries: Belgium, Bulgaria, Denmark, Germany, Greece, Italy, Norway, Slovakia. The basic project concept stems from the recognition that women hold great promise as agents of change, helping us progress faster towards our climate and energy targets for 2030.

Your participation is contributing to our understanding of the factors impeding or favouring the uptake of renewable energy in heating and cooling in your country and identify the needs, perceptions and challenges of market actors as well as the role of women in the sector.



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* I have read the **W4RES Privacy Policy** and I agree to the terms and conditions

Yes

General information

* 1 - Gender:

female male diverse

* 2 - Which stakeholder group do you belong to?

- Business, energy supplier, technology installer, technical consultancy
- Academia, research project
- Authority, policy maker
- Citizen, NGO, consumer association

* 3 - In which country do you live?

- Belgium Germany Norway
- Bulgaria Greece Other country
- Denmark Italy Slovak Republic

If you selected "Other country", please specify the country:

* 4 - Profession:

* 5 – Education background/Field of studies:

* 6 - Level of education

Primary Secondary Tertiary

Renewable Heating and Cooling (RHC) landscape in my country

Perceptions regarding the uptake or RHC in my country.

7 - Please indicate your agreement with the following statement [1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree]

	1	2	3	4	5
* I think that Renewable Heating and Cooling (RHC) solutions are widely deployed in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I think that the share of energy coming from RHC must be increased in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I am positive about increasing the use of RHC for promoting sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8 - RHC solutions in my country

* Indicate which of the following RHC technologies are the most prominent in your country (you can choose more than one):

- Solar thermal/Photovoltaics
 Geothermal
 District HC & thermal storage
 Biomass
 Heat Pump

* Indicate which of the following RHC technologies are currently under-utilised in your country (you can choose more than one):

- Solar thermal/Photovoltaics
 Geothermal
 District HC & thermal storage
 Biomass
 Heat Pump

* Indicate the type of applications the RHC technologies are used for in your country (you can choose more than one):

- Industrial heating
 Residential
 Commercial buildings
 Public use buildings

If other, please specify:

* Which of the following markets faces more challenges in your country for the adoption of RHC solutions?

- Industrial heating
 Residential
 Commercial buildings
 Public use buildings

If other, please specify:

9 - How favourable are the following framework conditions to RHC uptake in your country?

(1 = Not favourable at all, 2 = Not very favourable, 3 = Neutral/no opinion, 4 = Favourable, 5 = Extremely favourable)

	1	2	3	4	5
* Political conditions (political support, policy priorities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Legal conditions (regulations, taxes)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market conditions (technology, demand and supply, technicians)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Social conditions (culture, knowledge, awareness on RHC)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Financial conditions (financial instruments, incentives)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Opportunities and support measures for RHC uptake in my country

10 - I believe/feel that:

	1	2	3	4	5
* I am aware of the benefits that RHC solutions could bring to my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe that there is a satisfactory level of awareness on RHC in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* The public is well informed on existing support measures for RHC solutions in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe that there are adequate financial opportunities for the uptake of RHC solutions in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe that current policies favour the uptake of RHC solutions in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* It is generally easy to install RHC solutions from a technical and administrative perspective in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I find existing RHC support measures easily accessible in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe that the development of energy communities would facilitate the uptake of RHC solutions in my country (energy community = gathering of collective energy actions that involve all members of the local community)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Main barriers for RHC uptake in my country

11 - In your opinion, what barriers affect the uptake of RHC solutions in your country?

Please indicate your agreement with the following statement [1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree]

	1	2	3	4	5
* Insufficient information about the benefits of RHC solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Uncertainty around the performance of RHC technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Volatility in energy provision from renewables	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Uncertainty of regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of policy support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* High installation cost	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Risky investments for consumers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Unclear legal situation for consumers, tenants and landlords	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of suitable technologies (e.g. platforms, tools, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of information about state financial support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of skilled personnel for installing RHC solutions and providing support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of environmental public awareness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Unequal access for vulnerable groups of society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Scarcity of renewable energy resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Higher competitiveness of traditional solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other types of barriers, please specify

Perceptions regarding the role of women in RHC in my country

General perception on female involvement in the RHC sector within my country

12 - Please indicate your agreement with the following statement [1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree]

	1	2	3	4	5
* Women participate as much as men in the RHC sector in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* There is a lack of women on decision-making positions in public authorities relevant to the RHC sector in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* There is a lack of women on decision-making positions in the business sector relevant to the RHC sector in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe that women need empowerment for being more engaged with the RHC sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* I believe the RHC sector needs to become more attractive in terms of professional engagement for women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13 - Please indicate your agreement with the following statement [1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree; 6=Do not know]

I believe that the involvement of more women in the RHC sector in my country will be beneficial for...

	1	2	3	4	5
* a quicker RHC market uptake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* greater public awareness around RHC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
the economic development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* the reduction of energy poverty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* obtaining cleaner and more affordable energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* the air quality improvement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* the quality of life improvement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 14 - In your experience, do you perceive that women working in RHC or seeking such work face gender-related barriers?

- Yes No Do not know/ No opinion

Main barriers for the involvement of women in RHC uptake in my country

15 - The involvement of women in RHC uptake is hindered by the following aspects:

Please indicate your agreement with the following statement [1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree]

Perceptions of gender roles

	1	2	3	4	5
* Science, Technology, Engineering and Mathematics (STEM) studies and RHC jobs are less appealing to women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Stereotyped ideas about gender roles (from the family, peers, school environment, society) do not encourage girls to choose STEM studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Barriers on the career pathway

	1	2	3	4	5
* Not many women have the required skillset to enter the RHC sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Wage gap between men and women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of networks and mentoring programs for women in the RHC sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Prevailing hiring practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Barriers to career retention and advancement

	1	2	3	4	5
* Maintaining work-life balance is challenging for women in the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Lack of support for female entrepreneurs in the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Mobility requirements of RHC jobs make them less appealing to women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Barriers to equal access to energy

	1	2	3	4	5
* Gender blind energy policies are hindering women from adopting RHC solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Discriminatory social norms and gender stereotypes hinder women from getting involved in energy initiatives and communities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Women are more likely to experience energy poverty (lack of access to sustainable modern energy services and products)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other types of barriers, please specify

Measures to support the involvement of women in RHC

* 16 - Do you think that local businesses or other (e.g. social) initiatives are aware of the benefits of RHC solutions and are ready to deploy them?

- Yes No Do not know/No opinion

* 17 - What type of business support could strengthen women participation in RHC and thereby facilitate RHC uptake in my country?

Please, select the most interesting solutions from the following list (more than one option can be selected):

- | | |
|--|--|
| <input type="checkbox"/> Market research | <input type="checkbox"/> Networking |
| <input type="checkbox"/> Business planning | <input type="checkbox"/> Mentoring and guidance programmes |
| <input type="checkbox"/> Marketing and advertising support | <input type="checkbox"/> Umbrella organisations for RHC support women's empowerment and apply gender-just policies |
| <input type="checkbox"/> Access to finance support | |

Other, please specify:

* 18 - What type of technical support could strengthen women participation in RHC and thereby facilitate RHC uptake in my country?

Please, select the most interesting solutions from the following list (more than one option can be selected):

- | | |
|--|---|
| <input type="checkbox"/> Feasibility studies to support go-no-go decisions | <input type="checkbox"/> Energy and environmental analysis |
| <input type="checkbox"/> Technical advice on concept design and development for RHC projects | <input type="checkbox"/> Consultancy on the implementation and monitoring of RHC projects |
| <input type="checkbox"/> Energy audits and performance certifications | |

Other, please specify:

* 19 - Do you think that decision makers in your country (be they in business, e.g. CEOs, top management, etc. or in public authorities) take into account gender-based differences?

- Yes No Do not know/No opinion

* 20 - What kind of key topics for targeted training for capacity building you think could help decision makers (business, public authorities, etc) take into account gender-based differences?

Please, select the most interesting topics from the following list (more than one option can be selected):

- Gender analysis (socio-economic analysis on the impact of gender relations)
- Gender audits (assessment and monitoring of gender equality within organisations)
- Gender awareness raising campaigns to make the gender related challenges of the sector visible
- Gender neutral remuneration for minimising the wage gap
- Gender budgeting (preparing budgets or analyzing them from a gender perspective)
- Gender evaluation (assessment of all challenges from a gender perspective)
- Gender impact assessment (assessment of new and existing measures to identify, in a preventative way, their likelihood of having a negative impact on gender equality)
- Gender-disaggregated data collection methods for having further insights on gender
- Gender-sensitive stakeholder analysis (analysis of the commitments, capacities and efforts of the different women and men, as well as organisations, in mainstreaming gender and in advancing gender equality and women's empowerment)
- Gender-smart work policies for bridging the gap in the sector

Other, please specify:

* 21 - What kind of awareness raising activities you think could strengthen women participation in RHC? (more than one option can be selected):

- Awareness raising about the economic, environmental and social benefits of RHC solutions
- Awareness raising about available RHC opportunities
- Awareness raising on gender-related challenges in the RHC market
- Awareness raising on supporting women's involvement in RHC
- Awareness raising on state/public financial support
- Awareness raising on personal development and opportunities to increase income

Other, please specify:

* 22 - What groups should we address for the above-mentioned awareness raising activities? (more than one option can be selected):

- Awareness raising to policy makers
- Awareness raising to industry actors
- Awareness raising to the general public
- Awareness raising to STEM female students
- Awareness raising to start up communities
- Awareness raising to woman associations and communities

Awareness raising to researchers

Other, please specify:

Willingness to support the involvement of women in RHC

23 - I would be willing to support female participation in RHC by:

Please indicate your agreement with the following statement (1=Strongly disagree; 2=Disagree; 3=Neither agree nor disagree/No opinion; 4=Agree; 5=Strongly agree;)

	1	2	3	4	5
* Participating in workshops and promotional activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Participating in relevant initiatives in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Promoting success cases of women in the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Improving gender just communication in the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
* Offering RHC related internship positions to female students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Favouring flexible working and overall working conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
* Providing mentorship to women that just enter the industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
* Promote/facilitate women's engagement with STEM studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
* Facilitating gender responsive work policies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Providing incentives for women entrepreneurs to enter the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Enhancing access to finance for women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Implement an overall interministerial gender-just energy and climate policy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1	2	3	4	5
* Engaging women in existing initiatives in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Organising information events for women	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other, please specify:

Survey end

Thank you for taking part into this survey!

Do you have any questions or comments? You can contact us at info@white-research.eu

Feel free to share the link to the survey with colleagues or partners!