

# Call for proposals 2021

## Accelerating the Heating and Cooling Transition

### Joint Call Launch event Accelerating Heating and Cooling transition

Questions & Answers Follow-up Meeting

Moderated by Paul Ramsak, GEOTHERMICA

30 June 2021



# House keeping

- Meeting will be recorded
- Feel free to use the **chat** if you have any questions or comments, note your name will be visible
- Who are here to help you?
  - Paul Ramsak – moderation
  - Fredrik Lundström - co-moderation
  - Gerdi Breembroek - chat master
  - Hjalti Páll Ingólfsson – call introduction
  - Alicja Wiktoria Stokłosa - follow-up



# Agenda

Wednesday, 30 June 2021, 15:00-16:00 CEST

ERA-Net GEOTHERMICA in cooperation with ERA-Net Smart Energy Systems

**Invited audience:** Public stakeholders, applicants interested in matchmaking and creating the consortia for Joint Call 2021 purpose

15:00 - 15:05 Welcome

15:05 - 15:20 Introduction to the Joint Call  
"Accelerating the heating and cooling transition."

15:20 - 15:55 Questions and Answers session

15:55 – 16:00 Closing of the plenary event and follow up

16:00 - 17:00 Online matchmaking for future project consortia partners  
(b2match platform)

- Overview of Joint Call 2021 "Accelerating the heating and cooling transition",
- Ask questions on the upcoming call
- Initiate cross-border contacts and cooperation.
- Begin to build together an innovative pathway to heating and cooling transition!





# Welcome

Harpa Pétursdóttir –  
Coordinator GEOTHERMICA

Fredrik Lundström –  
Co-Chair JPP SES Era Net





# Call for proposals 2021

## Accelerating the Heating and Cooling Transition



# Joint Call Members

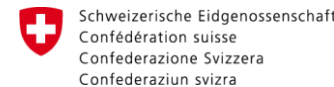
## ➤ 15 countries

Austria, Belgium – Wallonia, Denmark, Germany, Hungary, Iceland, Ireland, Israel, Netherlands, Norway, Scotland, Sweden, Switzerland, Turkey, USA

## ➤ 17 funding agencies / programs

Call for proposal's funds available

€ 32.5 million





# Heat & Cold in the Energy System

*Heating and Cooling Transition is crucial for the energy transition*

- H&C biggest chunk (> 50%)
- Thermal Storage crucial
- H&C = flex for E

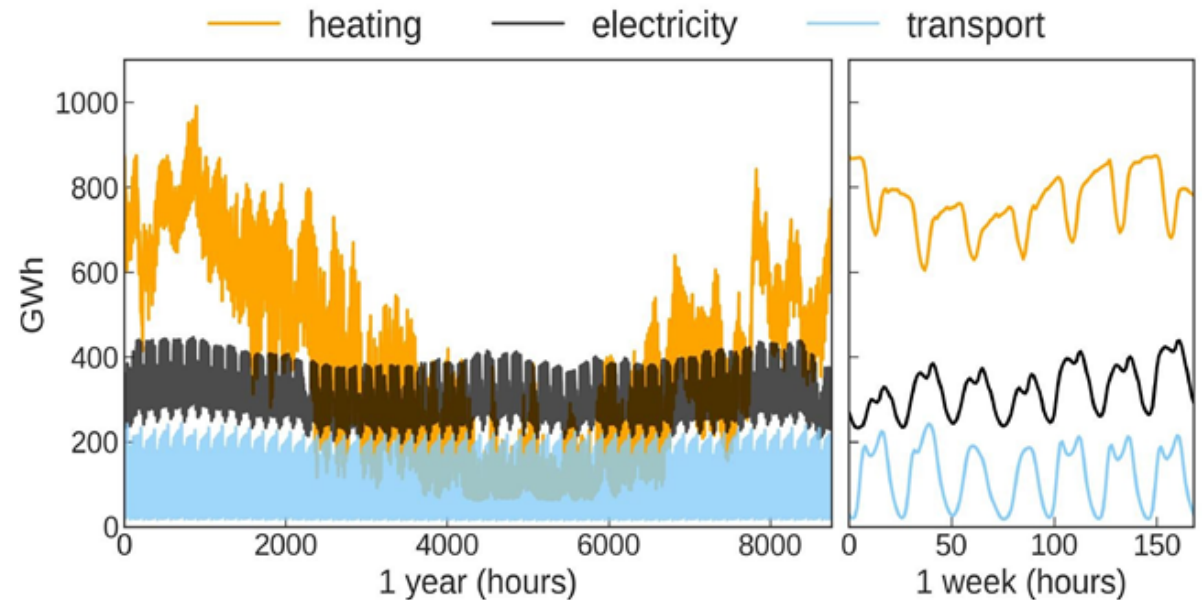
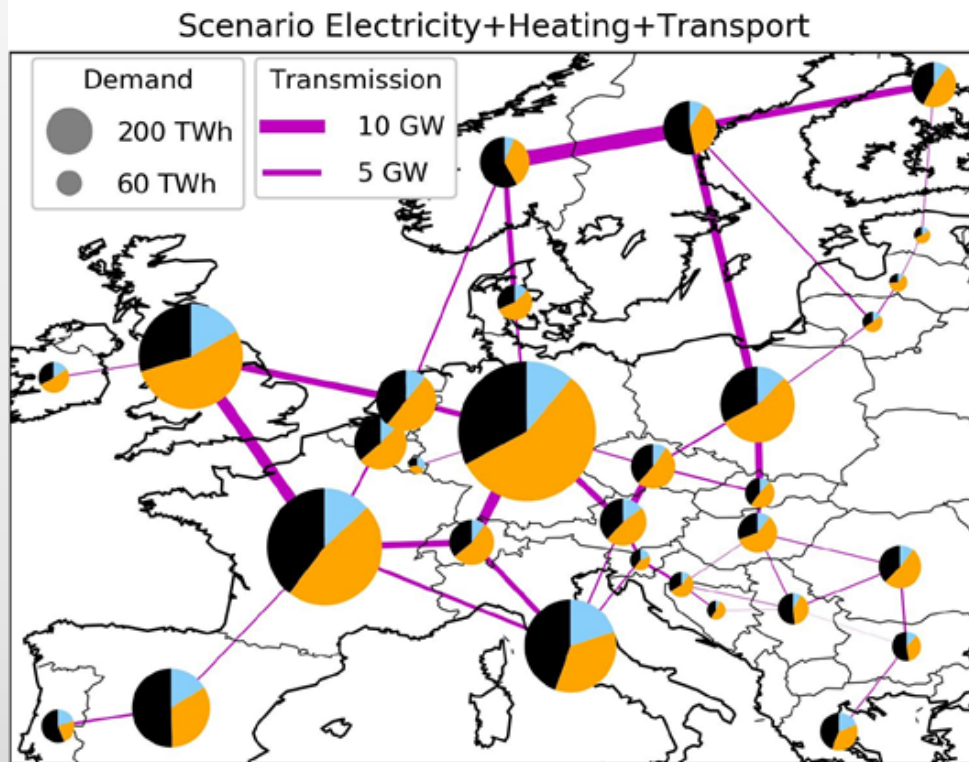


Fig. 2. (top) Spatial plot showing the energy demand per sector and country. (bottom) Europe-aggregated demand for the different sectors. Demands are estimated based on historical data, see [Appendix B](#).

Source: M. Victoria, K. Zhu, et al, Energy Conversion and Management 201 (2019) 111977

*Local/Regional solution = energy security*

# Focus area

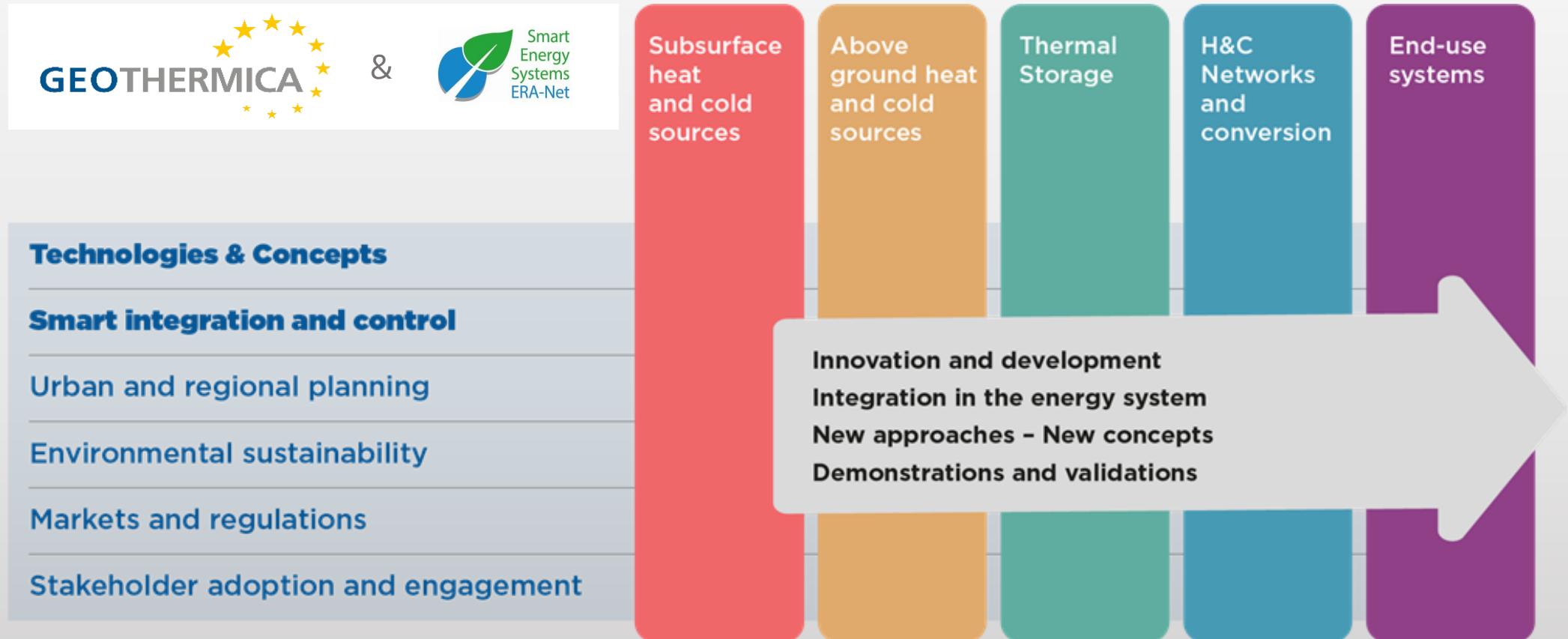
Projects should develop **innovative solutions** or **new concepts** for one or more of the following challenges

- **Climate-neutral resources for heating and/or cooling**, including subsurface (shallow and deep geothermal, solar thermal, and other sources of renewable heating and cooling) and utilisation of local and regional excess resources.
- **A resource-efficient and sustainable distribution, storage and utilisation of heating and/or cooling**. This includes short time and seasonal thermal storage options, and innovations for heating and cooling networks, and conversion technologies such as heat pumps to distribute the heating and cooling and adjust the temperature level where needed.
- **Integration of heating and/or cooling in the local and regional energy systems**, including aspects of sector coupling, smart integration and control tools which shall leverage synergies and utilise flexibilities in locally and regionally available energy sources, urban planning on the local and regional infrastructures as well as the user and consumer structures from different sectors (including, e.g. communities, industrial facilities, or the transportation system) and related consumption patterns.



# Accelerating the Heating & Cooling Transition

GEO THERMICA and JPP SES Joint Innovation initiative



# The Call text

1. Introduction, scope and objectives
2. Rules for Participation
3. Submission and evaluation
4. Other information
5. Annex 1: Specific Funding Agencies' Rules  
Annex 2: Template for pre-proposal  
Annex 3: Template for full proposal  
Annex 4: Table for budgeting



## Joint Call 2021 GEOTHERMICA & JPP Smart Energy Systems

### GEOTHERMICA & JPP SES 2021

Publisher: Joint Call 2021 GEOTHERMICA & JPP SES Office  
Orkustofnun, Grensásvégi 9, 108 Reykjavík  
Email: [info@geothermica.eu](mailto:info@geothermica.eu)  
Website: [www.geothermica.eu](http://www.geothermica.eu) & [eranet-smartenergysystems.eu](http://eranet-smartenergysystems.eu)  
ISBN 978-9979-68-577-7



# Timing of deadlines – Two stage call

ESS OPENS FOR PRE-PROPOSALS, **15 JUNE 2021**

*Application portal opens*

PRE-PROPOSAL SUBMISSIONS DEADLINE, **4 OCTOBER 2021**

*ESS Application portal closes*

ESS OPENS FOR FULL- PROPOSALS, **30 NOVEMBER 2021**

*Application portal opens*

FULL-PROPOSAL SUBMISSIONS DEADLINE, **31 JANUARY 2022**

*ESS Application portal closes*

FUNDING DECISION FEEDBACK, **JUNE 2022**

*Tentative date*

FUNDED PROJECTS START, **SEPTEMBER 2022**

*Tentative date for the project start*





# Rules for Participation



## Wide geographic spectrum encouraged

Minimum 3 eligible applicants from 2 participating countries

Funding agency only funds partners from its own country

## Three types of Applicants

Main Applicant's, Co-Applicant's, Co-operation Partners

## Project timing and duration

Projects may be funded for a maximum of 3 years

Projects should not run beyond 31 December 2025

## Language

The proposals must be prepared in English

Corresponding submissions to national or regional funding agencies may have to be submitted in the country's official language

**Both transnational (GEOTHERMICA & JPP SES) and funding agencies' eligibility criteria must be positively met.**

# Submission

## Electronic submission system (ESS)

All proposals (stage 1 and stage 2) must be submitted electronically  
Templates are provided in Annex 2-4 of the call text  
Accessible via the web pages of GEOTHERMICA & JPP SES.

## National Submission

Many funding agencies will require, in parallel, national submission of the national part of the proposal

## Letters of Intent and Commitment required

Letters of Intent (pre-proposals) and Letters of Commitment (full proposals)





# Evaluation

## Stage 1 , Pre-proposals

Checked for National Eligibility

Pre-proposal can be rejected – Hence make sure to follow national rules

Alteration between stage 1 and stage 2, possible under certain circumstances

## Stage 2, Full proposals

Re-checked for National Eligibility

Evaluated and ranked by independent international panel of experts

## Evaluation criteria

Excellence (weight 30%), Impact (weight 40%), Quality and efficiency (weight 30%)

## Scoring and threshold

Scoring of 0-5, halfpoints will be used

Minimum score of 3 in each of the three criteria and 10 overall



# Annex 1 - Specific Funding Agencies' Rules and Eligible Scope



Examine the **Funding Agencies' Rules and Eligible Scope** for each country

Please contact the **National Contact Points** prior to submission

See table 4 in the call text for details

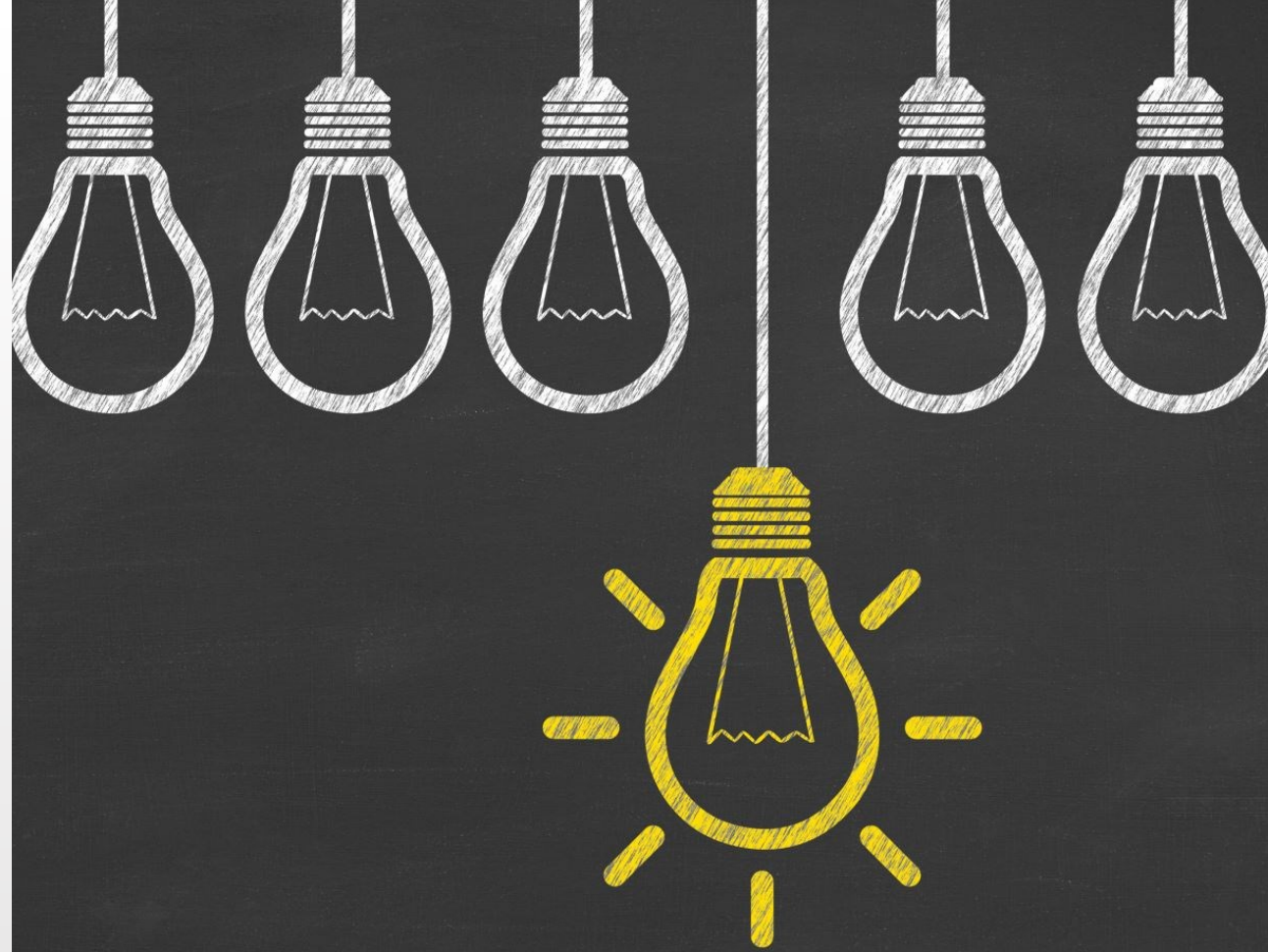
<b>Country/Region</b>	
<b>Funding organisation</b>	The Icelandic Centre for Research – Rannís <a href="https://www.rannis.is">https://www.rannis.is</a>
<b>National contact person</b>	Svandís Unnur Sigurðardóttir svandis.u.sigurdardottir@rannis.is Sigurður Björnsson sigurdur.bjornsson@rannis.is Rannís +354 515 5800
<b>National funding commitment</b>	500,000 EUR
<b>Maximum funding per awarded project</b>	Contact NCP. Conversion rate of EUR to ISK will be based on the rate on the submission deadline date.
<b>Funding programme</b>	The Technology Development Fund
<b>Organisations eligible for funding</b>	Institutions/Companies
<b>Eligible cost and funding rates</b>	Ref. Hagnyt. rannsóknarverkefni - <a href="https://www.rannis.is/sjodir/rannsoknir/taeknihrunarsjodur/hagnyt-rannsoknarverkefni">https://www.rannis.is/sjodir/rannsoknir/taeknihrunarsjodur/hagnyt-rannsoknarverkefni</a> - with the exception that companies can lead the project as Main Applicant
<b>Type of funding</b> <i>Please use: Fundamental Research / Industrial Research / Experimental Development / DEMOnstration</i>	Industrial Research/ Experimental Development/Demonstration
<b>TRL levels which can be funded</b>	TRL 5+
<b>Submission of the proposal at the national level</b>	No
<b>Submission of financial and progress reports at the national level</b>	No
<b>Information available at</b>	<a href="https://www.rannis.is/sjodir/rannsoknir/taeknihrunarsjodur/">https://www.rannis.is/sjodir/rannsoknir/taeknihrunarsjodur/</a> Rannís +354 515 5800 svandis.u.sigurdardottir@rannis.is or sigurdur.bjornsson@rannis.is
<b>Other</b>	Applicants should contact the NCP prior to submitting an application. An industrial partner is recommended.

Country/funding programme (s): Iceland / RANNIS

	Subsurface heat and cold sources				Above ground heat and cold sources			Thermal storage (TES)			Networks and conversion, Integration in the energy system			End-use systems					
	Deep Geothermal *	Shallow Geothermal	Other	Solar	Waste heat or cold	Biomass	Other	Underground TES	Large-scale TES	Building-scale TES	Other	Heat pumps	Distribution systems	Integration	Other	Space heating and/or cooling	Domestic hot water	Ventilation	Other
Technology and Concepts	X	0	0	X	X			X	X	0		X	X			X	X	X	0
Smart Integration and control	X	0		X	0			X	X	0		X	X			X	X	X	0
Urban and regional planning	0	0		0	0			0	0	0		X	0			X	X	0	
Environmental sustainability	0	0	0	0	0			0	0	0		X	0			X	X	X	
Markets and regulations	0			0								X	0						
Stakeholder adoption and engagement	0			0	0			0	0	0						0	0	0	

# Communication

- **General information**
- **Websites of [JPP SES](#) and [GEOTHERMICA](#)**
  - Highlights of Joint Call
  - Additional documentation
  - National / regional call meetings information
- **Press releases**
  - Shared with Joint Call registered participants
    - matchmaking platform participants
    - mailing list or meeting registration
  - Shared nationally & regionally via the use of national agency media channels
    - Website
    - Social media
    - Newsletters



# In short

- All relevant information about the joint call in the call text document
- Two stage call
  - Pre-proposal and full proposal
- Minimum 3 applicants from 2 countries
- Application should be in English
  - Some countries require parallel national submission in native language
- Proposal submitted electronically
  - Access to the ESS via the networks' websites
- Both transnational and funding agencies' eligibility criteria must be positively met

**Please contact the national representative prior to submission**

**Pre-proposal by: 4 Oct 2021**

**Full proposals by: 31 Jan 2022**



**Joint Call 2021**  
GEOHERMICA & JPP Smart Energy Systems

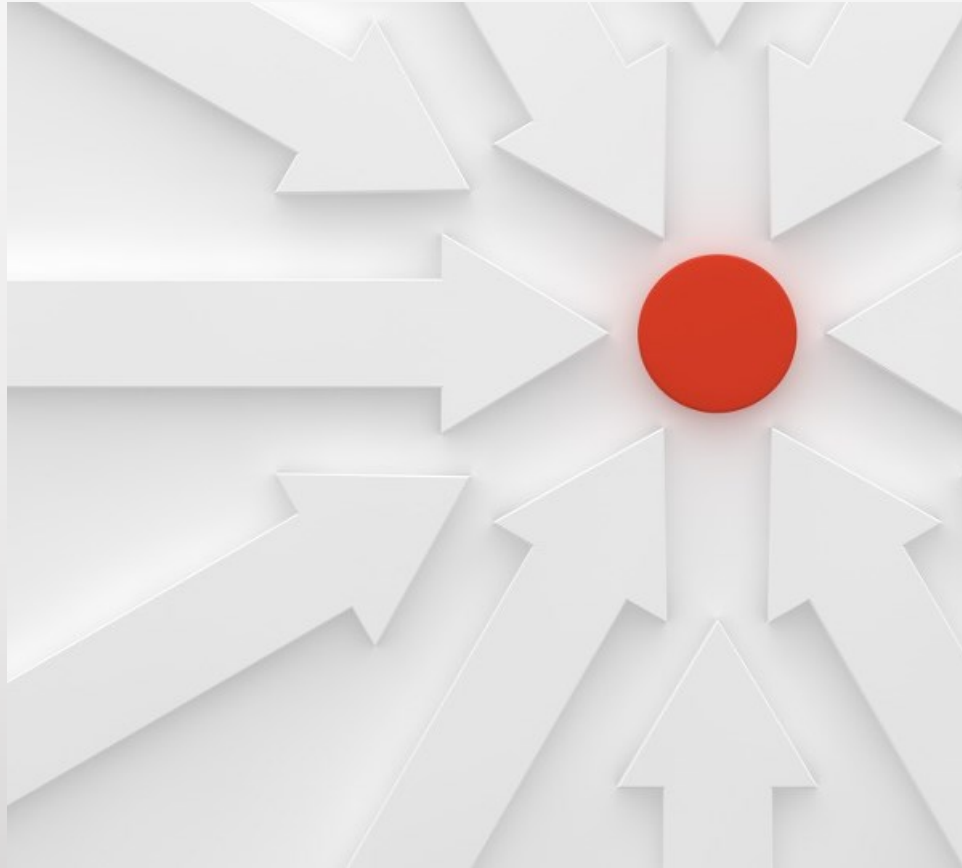
**GEOHERMICA & JPP SES 2021**

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Website: [www.geothermica.eu](http://www.geothermica.eu) & [eranet-smartenergysystems.eu](http://eranet-smartenergysystems.eu)  
ISBN 978-9979-68-577-7





## Contact info:



### Joint Call Secretariat

- **General information and technical issues**
  - Alicja Wiktorja Stokłosa
  - E-mail [info@geothermica.eu](mailto:info@geothermica.eu)
- **Submission issues**
  - Svandís Unnur Sigurdardottir
  - E-mail [svandisu@rannis.is](mailto:svandisu@rannis.is)



Open discussion

Q&A





# Matchmaking platform introduction

b2match online platform

Please be invited to the matchmaking in the b2match platform

Online meetings available via

<https://jpp-ses-geothermica-matchmaking-jointcall.eranet.b2match.io/>



[Home](#) [How it works?](#) [Contact](#)

WELCOME TO THE COOPERATION AND NETWORKING PLATFORM OF THE JOINT PROGRAMMING PLATFORM

## SMART ENERGY SYSTEMS & GEOTHERMICA

for our Joint Call 2021

### Accelerating the heating and cooling transition

Fifty per cent of Europe's energy demand is for heating, and the demand for cooling is increasing year on year. With this Joint Call the ERA-Net JPP SES, the Joint programming platform initiative for Smart Energy Systems and the ERA-NET GEOTHERMICA are joining forces to accelerate the heating and cooling transition, enabling 100% climate-neutral heating and cooling by 2050.

Register now

Open until 4 October 2021

ORGANISED BY





# Thank you

Harpa Pétursdóttir -  
Coordinator GEOTHERMICA

Fredrik Lundström –  
Co-Chair JPP SES Era Net

