Horizon2020 Information Days on Public-Private Partnerships

Brokerage event 16 October 2015

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ORGANIZATION/COMPANY



To drive the process of transforming the Basque Country into an innovating society in all spheres. We are working to weave complicities, define priorities, forge a strong bond between public and private agents and foster the demand and necessary stimulus in companies and society as a whole

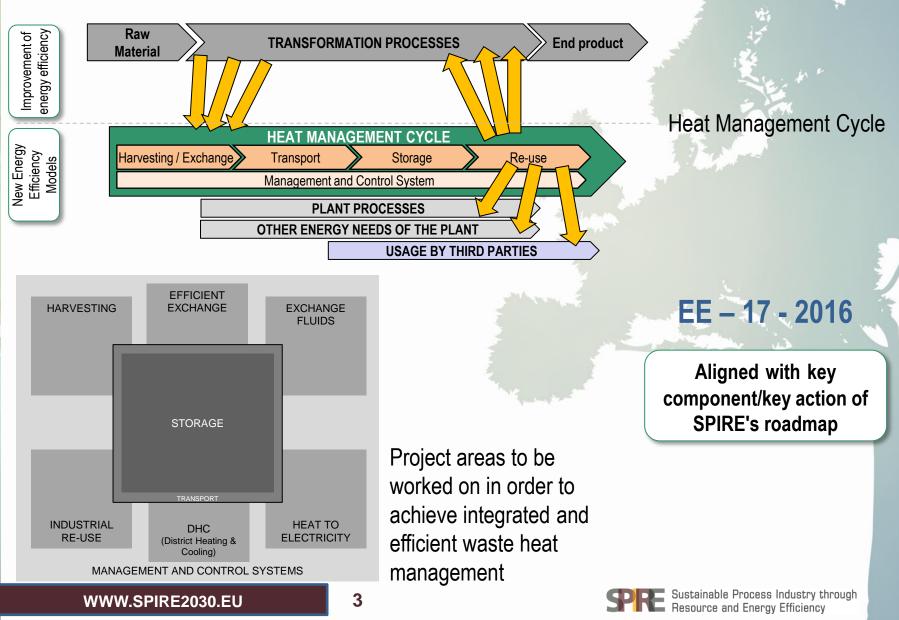




The main objective of the CALOR Project is to develop, implement and market innovative solutions (technologies and business models) that enable the <u>valorisation of waste heat from the manufacturing industry in an efficient</u> and profitable way



PROJECT IDEA



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Develop efficient **waste heat harvesting systems** from gas, liquid and solid streams for all temperature ranges (including very high and very low)

Handle abrasion / corrosion / fouling in existing equipment (gas and liquid)

New more efficient materials / less maintenance for heat exchangers

Develop and test alternative and advanced waste heat carrier materials (e.g. harvesting fluids / storage / re-use)

Develop equipment with effective insulating materials

Develop heat storage systems to solve the problem of intermittent energy flows

Improve the performance of existing innovative solutions to **turn heat into electricity** (or other energy form)

Improve the performance of waste heat **re-use** solutions **to be used in plants** (processes and other needs) **and/or by third parties** (industrial uses, DHC)

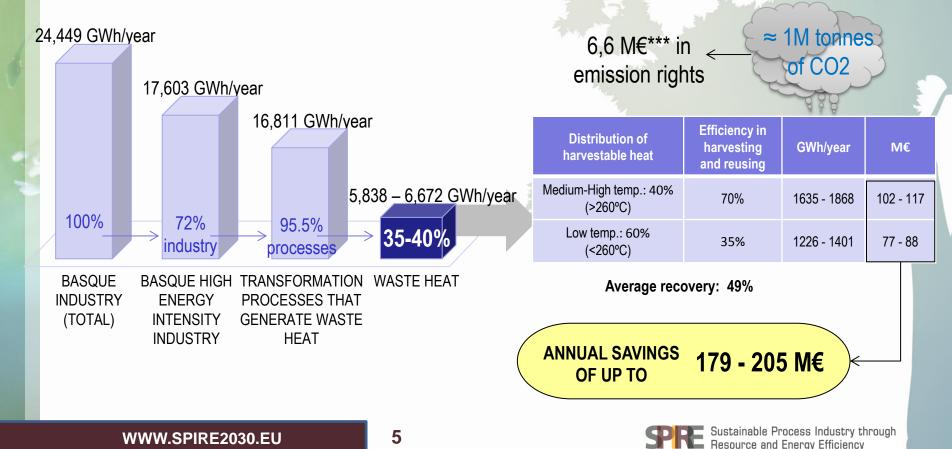
Develop **integrated management ICT tools** to optimize re-use and efficiency



EXPECTED IMPACT

Initial analysis conducted for the Basque Country

- FINAL ENERGY CONSUMPTION (2013) -



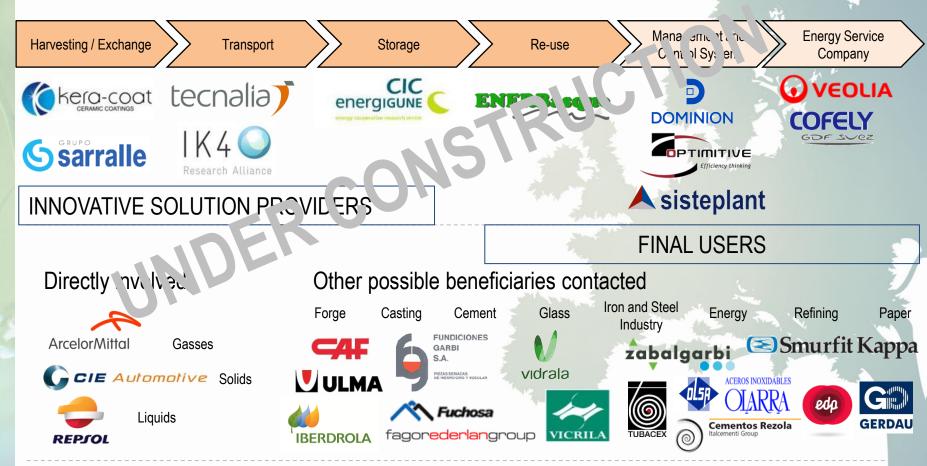
EXPECTED IMPACT



Develop, implement and market integrated and efficient solutions to be used in high energy intensity sectors



EXISTING PROJECT CONSORTIUM



FINAL USERS:

- To solve their waste heat problems
- To provide industrial facilities for full scale demonstration

PROVIDERS:

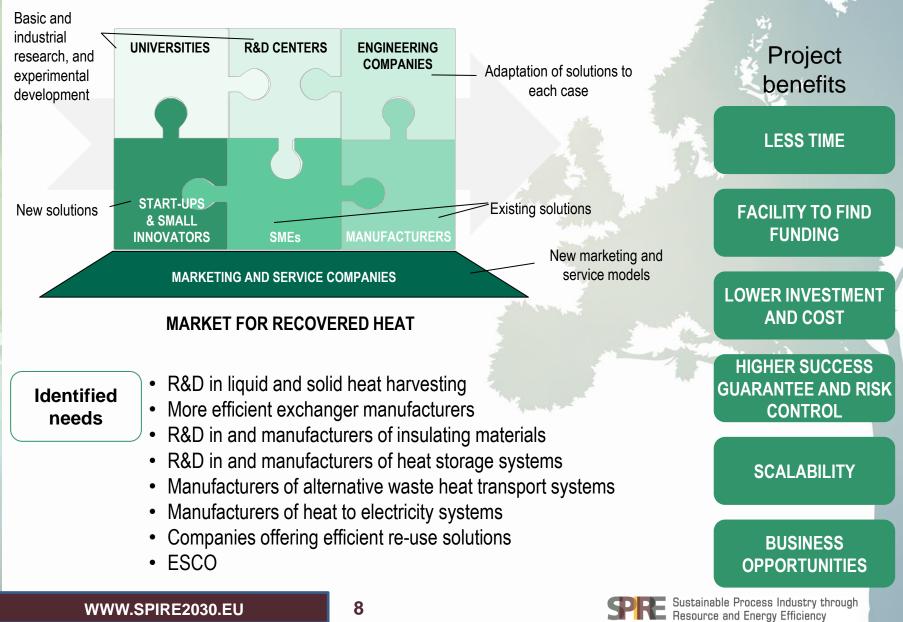
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- R&D Centers: research into materials, fluids, equipment
- Manufacturers: manufacture solutions to be tested
- Engineering companies: adaptation of solutions for different sectors
- Energy Service Companies: new business models and commercialization



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LOOKING FOR PARTNERS



CONTACT DETAILS



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