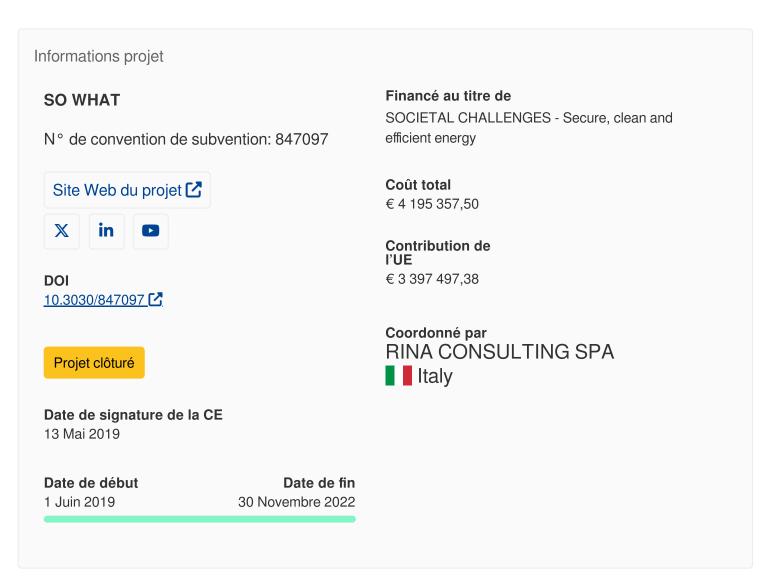
Accueil > ... > H2020 >

Supporting new Opportunities for Waste Heat And cold valorisation Towards EU decarbonization

HORIZON 2020

Supporting new Opportunities for Waste Heat And cold valorisation Towards EU decarbonization

Résultats



CORDIS fournit des liens vers les livrables publics et les publications des projets HORIZON.

Les liens vers les livrables et les publications des projets du 7e PC, ainsi que les liens vers certains types de résultats spécifiques tels que les jeux de données et les logiciels, sont récupérés dynamiquement sur OpenAIRE

Livrables

Documents, reports (33)

SO WHAT lessons learnt: environmental and technical

A detailed report on the lessons learnt and how future sites can take these into account will be presented environmental and technical

SO WHAT tool KPI Panel - useful also for validation activities [2]

The development of a KPI panel to be transformed into a dashboard for decision making and comparison and validation of sites will be reported

Report on current barriers to industrial WH/C recovery and exploitation [2]

Strategies and protocols for input data collection [2]

This report will include additional methods for how data for example could be preprocessed before passing it to the SO WHAT decision support tool in order to minimise effort and post-processing

SO WHAT lessons learnt and recommendations

A final report on lessons learnt and recommendations for future development will be presented

Lessons learnt about integration of WH/C in DHNs

Report on the CBA of industrial waste heat and cold and RES in industry investments in Europe C This report will include the CBA for both waste head/cold and the integration of RES within the industrial environment.

Report on H/C recovery/storage technologies and renewable technologies [2]

This report will build upon that presented in Section 1.3 of the proposal and provide a comprehensive review of the available H/C and RES technologies, which could be exploited by the demo sites.

Scenario definition [2]

Report on the generic scenarios that will be coded within the SO WHAT decision support tool as a first set of scenarios that the industrial site can investigate.

Available databases for SO WHAT analysis and tool integration

Report on the available databases to be integrated with the SO WHAT tool.

Validation of the SO WHAT tool in real demo cases [7]

A feasibility study for the actions that could be carried out in each demo site will be presented outlining the accuracy of the tool and its impact on the demo sites

Report on Networking and Clustering Activities [2]

Final report on networking and clustering that has occurred between the SO WHAT project and other similar EU and national grant funded projects

Lessons learnt from Clusters [2]

This report summarizes the different perspectives and main differences within the various clusters of SO WHAT

First version of Dissemination and Communication Plan including Stakeholders' engagement strategy

A report on the first dissemination and communication strategies will be presented

Replication strategy of SO WHAT []

The final replication strategy of how the SO WHAT platform can be rolled out just in Eastern Europe will be presented

<u>SO WHAT Training plan and guidelines for training material</u> **C** The final SO WHAT training plan and associated material will be available.

First release of SO WHAT Industrial Sectors WH/C recovery potential

This report will provide an assessment of what potential there is for WH/C recovery in each of the site.

Requirements for data formats and indicators 12

This report will outline the requirements for the data and how they will input to the SO WHAT decision support tool as well as in what format. The report will also provide a set of indicators which will be used to compare the sites later in tools developed in WP4.

Replication strategy of SO WHAT in Eastern Europe

A final report on the potential for WHC across all demosites will be presented

Business and risk models for industrial WH/C recovery and exploitation towards replication ^[2] This report will present a number of business and risk models for the industrial WH/C recovery and will identify the implications on the business model replicability of RES integration in heat recovery investments.

Final release of SO WHAT Industrial Sectors WH/C recovery potential C Final report on SO WHAT Industrial Sectors WHC recovery potential

Report summarizing economic drivers [2]

A final report summarizing all of the economic drivers will be presented here

Financing and ESCO models for industrial WH/C recovery and exploitation towards replication This report will outline the various financing and ESCO models that are currently available for industrial WH/C recovery

Final version of Dissemination and Communication Plan

A report on the final dissemination and communication strategies will be presented

SO WHAT Positioning paper 12

The final position of the SO WHAT tool will be evaluated and presented

SO WHAT lessons learnt: regulatory issues [2]

A detailed report on the lessons learnt and how future sites can take these into account will be presented regulatory

SO WHAT Manual 🖸

The SO WHAT training manual will be delivered including online videos and tutorials for how to use the final platform

Report and presentation on SO WHAT integrated tool functionalities

Public and industrial perspective of WH/C recovery

A report on the perspective from the public citizens and the industrial stakeholders will be presented

Update of Dissemination and Communication Plan

A report on the updated dissemination and communication strategies will be presented

<u>Report on end-users' current status, practices and needs in waste H/C recovery and RES integration</u>

Report on specific needs for the recovery potential and employment of industrial WH/C from an end users perspective.

Policy instruments to promote industrial WH/C recovery C

How SO WHAT can be enhanced through policy instruments will be presented

Report on current Contractual Arrangements for WH/C exploitation

4 of 6

This report will present the various contractual arrangements for WH/C exploitation as identified from the industrial demosites including a detailed analysis into the GOTE site.

Other (4)

Training resources for relevant stakeholders [2]

Further training material for different stakeholders will be available, e.g. videos and online tutorials

Project Website and Social media operative 🖸

The project website and social media channels will be available.

Monitoring management system

Based on the data collected from the monitoring management system, the architecture of the monitoring system including the required sensors, location of them and communication protocols will be delivered (second iteration).

Simplified Version of SO WHAT tool for Quick Decision Making

The first beta version for the SO WHAT free tool, providing quick analysis for the end user will be available.

Publications

Conference proceedings (2)

Latent Heat and Thermochemical Storage as Enablers for Waste Heat-to-Power and Heat-Upgrade:

A General Approach

Auteurs: Giovanni MANENTE, Yulong DING, Adriano SCIACOVELLI Publié dans: IIR International Rankine 2020 Conference -Heating, Cooling and Power Generation - 26-29 July 2020, Glasgow, UK, 2020, Page(s) 9 Éditeur: IIR International Rankine 2020 Conference -Heating, Cooling and Power Generation - 26-29 July 2020, Glasgow, UK DOI: 10.18462/iir.rankine.2020.1176

Organic Rankine Cycles Combined with Thermochemical Heat Transformers to Enhance the Power Output from Waste Heat Auteurs: Giovanni MANENTE, Yulong DING, Adriano SCIACOVELLI Publié dans: IIR International Rankine 2020 Conference -Heating, Cooling and Power Generation - 26-29 July 2020, Glasgow, UK, 2020, Page(s) 10 Éditeur: IIR International Rankine 2020 Conference -Heating, Cooling and Power Generation - 26-29 July 2020, Glasgow, UK DOI: 10.18462/iir.rankine.2020.1175

Peer reviewed articles (2)

A structured procedure for the selection of thermal energy storage options for utilization and conversion of industrial waste heat

Auteurs: Giovanni Manente; Yulong Ding; Adriano Sciacovelli Publié dans: JOURNAL OF ENERGY STORAGE, Numéro IRIS SIARI LECCE UNIVERSITA DE SALENTO, 2022, ISSN 2352-1538 Éditeur: JOURNAL OF ENERGY STORAGE DOI: 10.1016/j.est.2022.104411

Risk assessment of industrial excess heat collaborations – Empirical data from new and ongoing installations

Auteurs: Kristina Lygnerud Sofia Klugman Nathalie Fransson Johanna Nilsson Publié dans: Science Direct - El Sevier, 2022, Page(s) Volume 255, 15 September 2022, 124452, ISSN 0346-251X Éditeur: Pergamon Press Ltd. DOI: 10.1016/j.energy.2022.124452

Dernière mise à jour: 15 Janvier 2024

Permalink: https://cordis.europa.eu/project/id/847097/results/fr

European Union, 2025