

## Implementation of a toolbox

Subject:	Implementation of a toolbox
Description:	Improve the capacity of the market actors with a toolbox
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Document download:	<a href="http://www.solar-district-heating.eu/en/knowledge-database/">www.solar-district-heating.eu/en/knowledge-database/</a>

### Summary description of the instrument

Region: Auvergne-Rhône-Alpes

Partners involved: Auvergne-Rhône-Alpes Energie Environnement (AURA-EE), Regional Council of Auvergne-Rhône-Alpes (RCARA), Commissariat à l'Energie Atomique et aux Energies Alternatives (CEA), Institut National de l'Energie Solaire (INES)

The measure is based on the production of a SDH toolbox. The goal is to improve the capacity of the market actors in implementing SDH.

### Initial situation

In France, solar thermal energy is developed mainly for domestic hot water use in individual or collective houses. There is consequently a lack of knowledge about the possibility of integrating solar thermal energy in district heating. For a part of the stakeholders, solar thermal energy is always associated to domestic hot water. For the other part, SDH seems to be an experimental and expensive renewable energy.

Those points have been identified in a national survey realised during a previous step of the SDH p2m project.

During the discussions with the regional stakeholders group created at the occasion of the SDH p2m project, a specific focus has been made on the need of technical and economic data. DHC actors have a lack of technical and economical references and simulators.

All along EU project (SDH p2m, and SDHplus) or national project (SmartGrid Solaire Thermique), many relevant documents in French language have been created like study cases, manuals, etc. All those documents must be shared and disseminated. The idea is to create a toolbox regrouping all those documents to a better access.



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### Objectives

The main objective of the toolbox is to improve the capacities of the market actors and to show that SDH is technically and economically relevant.

The toolbox will include not only the documents and data produced in French Language in the SDH projects but also documents produced in other research programs.

Other stakeholders are interested in the toolbox like local authorities and municipalities to get a first level of information.



### Measures and actions

The toolbox is supported on the SDH website <https://www.solar-district-heating.eu/fr/monter-son-projet/>. The link of the website is disseminated and shared on the French website.

The toolbox is divided in 5 different parts linked to the different phase of an SDH project development: opportunity, feasibility, conception, construction and operation. In each part, the different documents associated are integrated.

The different indicators that can be measured to evaluate the impact of the action are:

- Number of connections
- Number of documents downloaded

A relevant dissemination will be done during regional and national conferences, press articles and is integrated to the dissemination action plan within the SDHp2m project.



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### Barriers and opportunities

There are two identified barriers. The first barrier could be that stakeholders may not know that this toolbox exists, if there is a failure in the dissemination phase or if it is not attractive enough. The other one could be that the stakeholders don't find what they are searching for. It is consequently essential to make the toolbox clear, updated and easy to read.

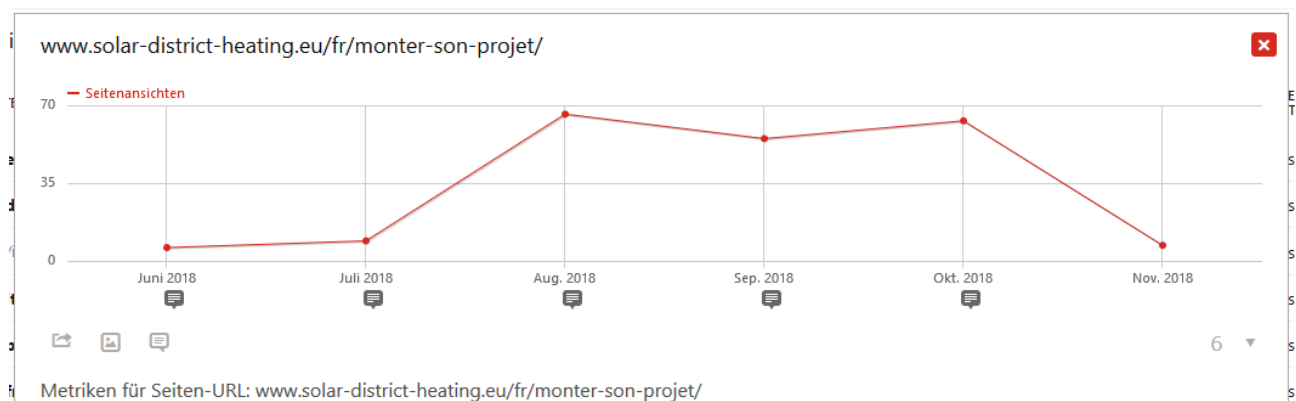
A good opportunity identified is that new stakeholders can be convinced of the interest of SDH. Therefore the target group for this toolbox will not only be local authorities but other stakeholders too.

Another opportunity is that this guide could be relevant at the national level, with the help of national associations like AMORCE, FNCCR, ENERPLAN, or ADEME ....

### Results

The first result of the toolbox is a better integration of solar thermal energy in DHC projects.

The toolbox has been uploaded on SDH website in august 2018 and we can see on the graphic below that this page reaches around 70 connexions per month.



### Lessons learned

It could be relevant to add frequently new French examples of SDH projects. The toolbox has to be updated frequently after SDH project. One of the national associations will have to update and keep in charge the update or to download the toolbox on its own website.



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