Thermal Map

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I.   Short Project description:

Thermal Map is an open platform that promotes private investment in thermal retrofit, by reducing uncertainty and information gaps in the decision maker.

Users can find specific information on energy efficiency problems of their hosuses, technical solutions, companies and professional that perform thermal retrofits and financing tools to implement the energy efficiency improvements.

In addition, companies can find information regarding the demand for energy efficiency improvements by neighborhood and public institutions can find georeferenced information to focus public policies.

Digital tools such as thermal images are used in this platform for technical analysis and also to visualize the heat losses to the users of the houses.

I.   Research focus/core competencies related to project:

The focus of the project is the development of methodologies to assess the current energy situation of houses and the potential for improvement when implementing energy efficiency strategies, considering different user profiles and different types of housing present in cities.

I.   Relevant infrastructures related to the project:

Thermographic cameras and drones to carry out thermal mapping.

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IV.   Current partners from science and industry

Forestry Institute

Ministry of Housing and Planning

Ministry of Energy

Chilean Chamber of Construction

IV.   Outlook for future development:

The next stages of the project considers the collection of data for other cities in the south-central region of Chile, the improvement of the data model both for the analysis of thermographic images and for the modeling of the potential improvement for different users, including the rebound effect.