EXPERTISE HUB FOR ENERGY-EFFICIENT COOLING & HEATING IN EUROPEAN SUPERMARKETS

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SuperSmart is a EU funded Horizon 2020 Project

- Duration: 36 month,
- Start: 1st of February 2016
- Project Partners:
  - SINTEF (coordinator)
  - Shecco
  - CNR
  - Umweltbundesamt (Uba)
  - KTH
  - TUBS
  - CIRCE
  - Energija doo
  - IIR
Supermarkets require much energy - up to 4% of all electricity used in Europe.

Supermarkets cause about 1% of the global warming caused in Europe.

Less energy demand → less global warming

Higher energy efficiency and environmentally friendly solutions could reduce these problems.

More and more people know this and take actions, but: To make this happen even faster, the stakeholders/supermarket owners must get the support they need to do so, and this support should be good!
Make supermarkets start using efficient heating- and cooling solutions QUICKLY so that less harm is done to the environment

- **Less harm to the environment** – cleaner water, nature, food for next generations
- **Lower energy demand** (meaning lower electricity bills)
- Make a new European Ecolabel for Supermarkets
- **Make training material** and **spread the supermarket expertise** through educating relevant staff (management, shop owners, consultants, design engineers, construction engineers, service men etc.)
- **Influence on the future regulations** through making standards and certificate criteria. This should be done by the SuperSmart team, suppliers, end users and governmental bodies
MAIN GOALS OF SUPERSMART 2

WP1: REMOVING NON-TECHNOLOGICAL MARKET BARRIERS
1. Find and remove barriers to SuperSmart supermarkets
2. Making information, training material and training sessions about efficient heating and cooling solutions
3. Make supermarkets able to achieve the future label

WP2: DEVELOPMENT OF EU ECOLABEL
1. Make a proposal for an EU Ecolabel for supermarkets
2. Make 2 reports to back up the proposal
3. Suggest how the label could be developed together with project partners

WP 3: COMMUNICATION, PROMOTION & DISSEMINATION
1. Ensure good communication with everyone involved, including non-project partners
2. Spread information about SuperSmart
3. Tell the public about the project results
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1. Find and remove barriers to SuperSmart supermarkets
2. Making information, training material and training sessions about efficient heating and cooling solutions
3. Make supermarkets able to achieve the future label

• 2016 online survey on Removing Non-technical Market Barriers:
  ➢ Suggested actions to remove the knowledge barriers across Europe
  ➢ Suggested people to be trained to successfully remove the knowledge barriers
• Reports and training materials
• Presentations of Workshops
• Dedicated trainings

Check the Website, sections:
  ➢ How to Get Involved
  ➢ Downloads
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- 2016 online survey on Criteria for EU Ecolabel for Food Retail Stores
- Reports and training materials
  - Report 7: EU Ecolabel for retail stores
- EU Ecolabel Criteria for Food Retail Stores - Preliminary Report (under-development)
- SuperSmart Tool under-development to model and simulate the entire supermarket

- If interested, join the Labelling Board from the website section Get involved
EXPECTED EFFECTS

• Barriers to use efficient heating and cooling solutions are removed.
• Material to make an EU ecolabel for Supermarkets is finished.
• A way to calculate costs for energy efficient heating and cooling solutions is ready.
• **75 dedicated training** activities will have trained about **2000 people**.
• 30% energy saved, for both new and retrofitted supermarkets
• Total primary energy savings - nearly **500 GWh**
  (or **500 000 000 kWh**)