RISE food climate database
– for sustainable consumption

The RISE food climate database is used by many actors in the society today, both in the public and private sector. The database has been developed to increase awareness of the climate impact of various food products. RISE overall purpose with the database is to reduce the climate impact of food consumption through increased knowledge in collaboration with various actors in the food chain and in this way contribute to sustainable consumption and production of food. Today, there are several ways to use and take part of the content of the climate database. Therefore, we have produced a guide that describes the ways in which the climate database can be used and how you as a customer get the most out of it, depending on what purpose you have.

Specific carbon footprints for about 750 food products

RISE food climate database contains carbon footprints for approximately 750 food products. The carbon footprint is based on life cycle assessment methodology (according to the ISO 14 040 series).

Food products can have different carbon footprints depending on the production method and different geographical origins, eg farmland, organic/conventional production, cultivation in the open air or in greenhouses. The food products in the RISE climate database are linked to and matched with the articles in the Swedish Food Agencies food database (www.livsmedelsverket.se/livsmedelsdatabasen). The data availability for climate information varies for different food products, which means that the quality can vary between different products and product groups. RISE work continuously with the data quality and in some cases the data for the food products is further modeled so that the result can be comparable with other data in the database and considered as the best available data in quality and scope representative of Swedish consumption.

RISE climate database is a compilation of a very large amount of information and is developed for use on the Swedish market. It makes the greatest use by visualizing aggregated climate information of meals, food purchases and climate reporting through various tools and applications by our customers. The climate database is constantly evolving, and updates are made annually.

The needs control how the climate data is used

The needs of our customers look different depending on their goals. Therefore, the RISE climate database can be used in different ways through different types of tools. An example is existing meal/diet planning software for catering operations that have been supplemented with climate information so that the result is both nutritional and climate-calculated menus. Another example could be the production of reports and key figures for climate footprints from purchased food over time, which can serve as a basis for setting and following up strategic climate goals within a municipality or for a company. The climate database is also used in applications aimed for the private food consumer to facilitate climate-smart choices. Depending on the context and purpose, users and actors have different requirements for data quality and level of details. RISE therefore also works with companies, organizations and

start-ups to develop customer-specific solutions. The RISE food climate database is also an important basis in many research projects and is recommended as a basis for climate calculations within WWF's concept One Planet Plate.

Companies that today or soon offer services based on the RISE climate database are:

- 2050 Consulting AB
- CGI Soumi OY (Aromi)
- Consupedia AB
- Foodfighters AB
- Foptec AB (Foptec Recipe Explorer)
- Klimato AB
- Kost och Näringsdata AB (Dietist Net)
- Mashie FoodTech Solutions AB (Matilda, Mashie, Aivo and Hantera),
- Millum AS (The module Menybank i Millum Procurement)
- Position Green AB
- Swepearl Solutions AB
- Qvanti AB (the platform FreshX)

In particular, climate data is used today in three levels; The open access list, Leasing and Company-specific product and tool modeling with RISE food climate database as a basis.

The open access list – an extract from the RISE climate database

The open access list is primarily an information material for RISE food Climate Database where an extract from the database is shown to increase understanding of what the content of the database looks like, but also to help our customers, stakeholders and the general public to increase their awareness of different foods' climate impact.

The open list shows examples of a type of production for about 40 different food products, ie only a few percent of the contents of the climate database. The information only gives a general picture of the product's climate impact, as there may be a variation depending on, above all, the production method and origin.

In addition of showing the carbon footprints from a selection of food, The open access list also describes the method choices and delimitations made for the carbon footprints reported in the RISE climate database. In order to be able to compare different carbon footprints, it is necessary to use the same methodology in data production.

Organizations or companies that use The open access list must refer to the current version of the document, eg "The open access list - an extract from the RISE climate database for food v 2.0" to avoid any misunderstanding that it is the entire RISE climate database that is referred to.

Leasing of RISE food climate database

For companies and organizations that plan to use carbon footprint in tools for aggregate climate information such as climate calculation of meals, composite products, food purchases and as a basis for more climate-conscious choices, leasing recommended that provides complete access to the contents of the RISE food climate database.

Leasing of the RISE food climate database is the form of use that most customers use today. The customer then usually receives climate data through a tool and uses the information to, for example, climate-calculate meals and to prioritize which meals or food choices make the biggest difference in terms of reducing climate impact.

The RISE food climate database is also used to follow up food purchases and to produce strategic climate key figures to achieve set climate goals within companies or public organizations. Municipalities, county councils/regions and private restaurant operators currently use the RISE climate database in their daily operations. The database is also used by food producers as part of their product development work or for climate reporting (scope 3).

RISE climate database is leased at an annual cost. Leasing also requires a user agreement document that defines how the carbon footprint information for individual items may be used.

Leasing customers can, if necessary, and with the consent of RISE, use the climate database as a reference in their marketing communication.

Company customized product and tool modeling based on the RISE food climate database

With a leasing agreement as a basis, RISE can in the next step help, for example, food producers and trade to produce carbon footprints for the company's products or range. Data from the climate database is then modified or supplemented with company-specific data for a more adapted climate calculation. If you as a company want to be able to make the climate impact of your products visible in your marketing communication or wish to help end consumers to a more climate-smart product choice, this approach is preferable.

Company customized product and tool modeling with RISE food climate database as a basis entails both a leasing cost for the climate database and a one-off cost for the modification work or the development of any climate calculation tools. Data from the climate database is then modified or supplemented, eg with current recipes, energy sources and energy consumption for a specific country/production facility, packaging solutions, production waste, in order to represent the company's specific product as precisely as possible. With modified climate data as a basis, the customer can use the information to facilitate active climate choices for their customers.

Together with individual companies, specific calculation tools can be developed that can be used for climate calculation in the company's product development or alternatively when changing recipes or linked to transport or packaging of individual products.

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