



MUNICIPAL ENERGY AND CO₂ AUDITING

A unique software solution for
regions, cities and municipalities



GLOBAL CLIMATE PROTECTION AND ENERGY TRANSITION

In 2015, for the first time in history, the international community concluded an international agreement on climate change.

The countries that signed the Paris Agreement have, for the first time, committed themselves to a binding global climate protection target, along with equally ambitious climate protection measures.

The step-by-step switching of the energy supply from fossil fuels to renewable energy sources, as well as the necessary increases in energy efficiency, will pose a number of significant challenges for the global community. Reliable and efficient instruments for the monitoring of energy consumption and CO₂ emissions are indispensable for this, as only that which is being measured can also be controlled.

The ECOSPEED Region software has been specially developed to meet these needs and provides regions, cities and municipalities with the support they require as they work towards a renewable future.

" More than 50 years ago, Willy Brand put forward his vision of blue skies over the Ruhr. We have remained true to that vision to this day, which is why we are providing our municipalities with the best instruments to enable them to make energy transition a reality.

ECOSPEED Region helps us to compile and evaluate the relevant data at all levels of management and to derive appropriate measures from said data."

Jochem Pferdehirt
National Headquarters Management
European Energy Award NRW,
EnergieAgentur.NRW, Wuppertal, Germany

TRIED AND TESTED THOUSANDS OF TIMES

Benefit from our experience

ECOSPEED Region was launched on the market as the first web-based software for municipal CO₂ auditing, and it is already celebrating more than 14 years of successful market presence. Today, counting around 2000 cities and municipalities amongst its customers, it is seen as THE STANDARD within Europe. Supported by all of the major European city networks and implemented by numerous consulting firms, ECOSPEED Region enjoys an excellent reputation. Thanks to an independent expert committee and a large international user community, which remains in constant contact with ECOSPEED, the quality of the software, as well as its practice-oriented further development, is guaranteed at all times.

Benefit from the many years of experience gained by our experts, a robust ECOSPEED network and a unique software solution that covers all of the requirements of municipal climate auditing!

Time and cost savings of up to 80 %

Initial balance sheet can be generated at the press of a button, more than 90% accurate

High quality

Internationally-recognized auditing methods and seal of approval

Balance sheet is always up to date

Continuous updating of the available national and regional data

Reports at the press of a button

Auditing in accordance with all current formats and guidelines

SIMPLE AUDITING

Four steps to reporting



1 INITIAL BALANCE SHEET

- EASY TO GENERATE AT THE PRESS OF A BUTTON
- OVER 90 % ACCURATE
- BASED ON DEFINED KEY FIGURES

The initial balance calculation relies on key figures taken from national and regional statistics concerning households, the economy and transportation, as well as various factors (e.g. energy mix), which are aggregated with your population and employment figures and then extrapolated (top-down). The data is regularly updated for you, free of charge.



2 ACQUISITION OF DATA

- REFINEMENT OF THE BALANCE SHEET WITH LOCAL DATA
- ADDED VALUE FOR YOUR REGION
- SIMULATION OF MEASURES AND SCENARIOS

In order to refine your initial balance sheet, you require regional consumption figures. The more of this type of information you have available, the more closely your initial balance sheet will reflect the current situation. In addition, you can simulate scenarios and measures, calculate the local added value of planned measures or determine the local potential for energy production.



3 CHECKING

- ENHANCE YOUR BALANCE SHEET AND TRUSTWORTHINESS
- REPORT WITH USEFUL EXPERT TIPS
- SEAL OF APPROVAL FOR YOUR OWN COMMUNICATIONS

Have your balance sheet checked quickly, easily and cost-effectively and excel. In this way you can ensure the quality of your balance sheet, while at the same time increasing the trustworthiness of your communications. Alongside the seal of approval, you will receive a test report containing useful tips on how to improve your balance sheet.



4 REPORTING

- STANDARD REPORTS AT THE PRESS OF A BUTTON
- AUDITING IN LINE WITH ALL RECOGNIZED STANDARDS
- GENERATION OF ALL NECESSARY KEY FIGURES

Are you a member of a number of networks that require you to comply with different reporting requirements? Not a problem! With ECOSPEED Region you can generate balance sheets in accordance with all current formats and guidelines, for example: Covenant of Mayors, European Energy Award, Energy City, Climate Protection Initiative, Climate Alliance, 2000-Watt Society and many more (see overview on page 13).

THE BENEFITS TO YOU AT A GLANCE

UP-TO-DATE AND TRANSPARENT

- The national and regional key figures provided are always up to date
- All methods and standards are included and new ones will be integrated
- Auditing policies and lists of references ensure transparency

SECURE AND HIGH-QUALITY

- Checking of balance sheets, incl. seal of approval
- Quality assurance by means of an independent expert committee
- TÜV certified
- On-site support provided by certified consultants and training partners

FAST AND RELIABLE

- Initial balance sheet can be generated at the press of a button and is more than 90 % accurate
- Efficient data management thanks to its simple operation
- Simple import and export of MS Excel files
- Free hotline



SIMPLE AND FLEXIBLE

- Popular reports can be generated at the press of a button (CoM, eea, KSI, 2kW, etc.)
- Auditing method can be chosen at will (final energy, primary energy/LCA)
- Possibility of merging municipalities for efficient data management

STANDARDIZED AND COMPARABLE

- Possibility of comparing the municipalities/cities — including internationally
- Can be consistently updated over the year
- Auditing in accordance with all recognized standards (see overview on page 13)

TOP-DOWN AND BOTTOM-UP

- Initial balance sheet with national and regional key figures (top-down)
- Refinement of the balance sheet with local data (bottom-up)
- Local measures and scenarios (bottom-up)
- Analysis of potential and calculation of added value (bottom-up)

FROM MUNICIPAL TO INTERNATIONAL

- Auditing can be carried out at single or multiple management levels
- Depending on the availability of data, key figures already prepared and available
- THE cross-national platform for energy transition processes

" The data produced by the Office for the Environment is transferred to ECOSPEED Region on an annual basis, where any incomplete data concerning energy consumption is automatically supplemented with the comprehensive national statistics contained within the system.

We can generate and export energy and CO₂ balance sheets at the press of a button. The municipalities subsequently receive the detailed evaluations as energy data sheets. This service is particularly well-appreciated by those municipalities that do not have an energy strategy. "

Marcel Knöri
Energy Data Project Manager, St. Gallen

COMMUNITY SOLUTION

Flexible merging of municipalities

Municipalities and cities have the flexibility to merge themselves into so-called communities, e.g. as a county, canton, federal state, European Energy Award. The community solution enables the data for all municipalities to be managed centrally and efficiently. Energy and CO₂ balance sheets can be generated jointly or as a comparison (benchmark) for all members. In addition, information, documents or notifications can be made visible to all members in their cockpit.

Flexible structure

Optional collaboration within the various management levels

Ability to compare municipalities

Benchmarks at the press of a button

Quality checking for each municipality

Transparency thanks to centralization

Central data management

Supply of data by county, canton, federal state, ECOSPEED, etc. possible

Community-specific key data for the initial balance sheet

Increased accuracy of the balance sheet thanks to precise data

Examples of communities:

- Luxembourg (country)
- Swiss cantons
- European Energy Award
- Federal State of NRW
- Canton of St. Gallen
- Upper Sûre Nature Park

COMPREHENSIVE INFORMATION BASE

Key figures from statistics, studies and databases

We always provide you with the best possible data and continually update the comprehensive key figures for your initial balance sheet using regional, national and international statistics. In addition, we provide you with comprehensive key figures and factors, which we obtain from international databases, to enable you to calculate your desired results.



INTERNATIONAL STANDARDS

Compatibility with all reporting guidelines and formats

The ECOSPEED Region software enables you to meet the most diverse reporting requirements. Whether you are a member of one or more city networks (European Energy Award, Covenant of Mayors, Climate Alliance, etc.), you want to create a climate protection concept in accordance with the Climate Protection Initiative guidelines set out by the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (incl. IFEU recommendations) or you require key figures for the 2000-Watt Society, with ECOSPEED Region you can generate all of the information you can think of at the press of a button. Save yourself the effort of maintaining the data for the various reports within different software packages and update your balance sheet with minimal effort!



TRANSPARENCY AND QUALITY ASSURANCE

Robust network and independent expert committee

Alongside in-house experts, external consultants and software users, the ECOSPEED Region network also includes an expert committee, which acts independently to ensure the quality and transparency of ECOSPEED Region. Its members include scientists, consultants, customers and representatives from ministries and city networks.

All users automatically become part of the network

ECOSPEED has established a comprehensive feedback system for its users, of which there are more than 3000 in total. Suggestions and requests are therefore being received on an ongoing basis. These are then classified and grouped together before being sent to the expert committee for evaluation and prioritization. This process ensures both software quality and user-focused evolution.



Software for climate protection

ECOSPEED is a world-leading provider of web-based software solutions for the energy and climate auditing carried out by authorities, businesses and private individuals. The company brings together environment and software experts to create a unique, multi-disciplinary team. Its efficient and flexible software solutions make ECOSPEED a highly-valued climate protection partner across the globe.

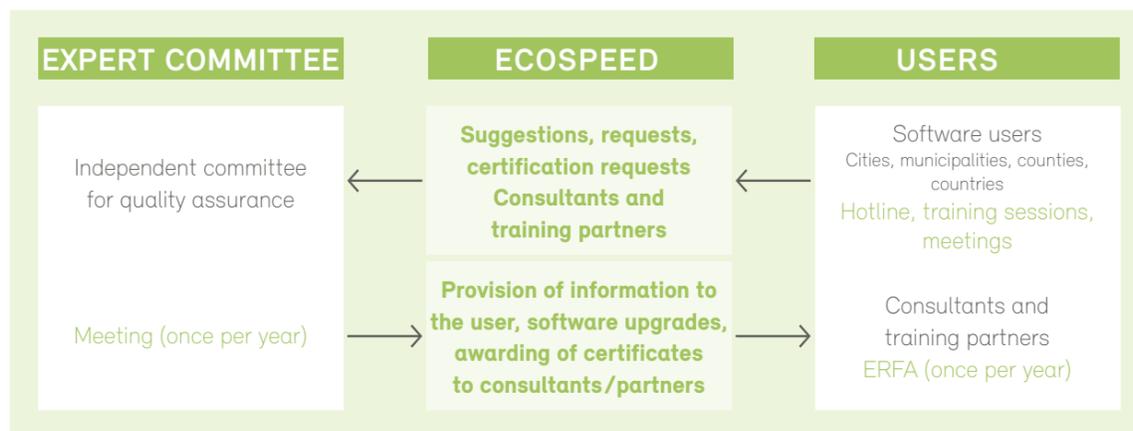
Functions of the expert committee

To ensure consistent and transparent auditing rules within ECOSPEED Region (incl. seal of approval)

To provide systematic evaluation of user feedback and recommendations for the further development of the software

To define requirements for consultant and training partner certification

Mode of operation within the ECOSPEED Region network



ECOSPEED Region

Transparent energy and CO₂ auditing for regions

ECOSPEED Business

Efficient carbon management for businesses

ECOSPEED Private

Energy and CO₂ accounting for private individuals

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