



EREK European
Resource Efficiency
Knowledge Centre

European Resource Efficiency Knowledge Centre

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Hard facts* / why EREK

**Eurobarometer 2018, SMEs, resource efficiency and green markets*

- **In a nutshell:**

- 50% of companies introducing Resource Efficiency measures, witness a decrease in production costs
- This is achieved by investing less than 1% of the turnover for 55% (>5% for approx 80%) of the companies, while most of them rely on own resources, without facing major difficulties
- Payback time is almost always less than 5 years

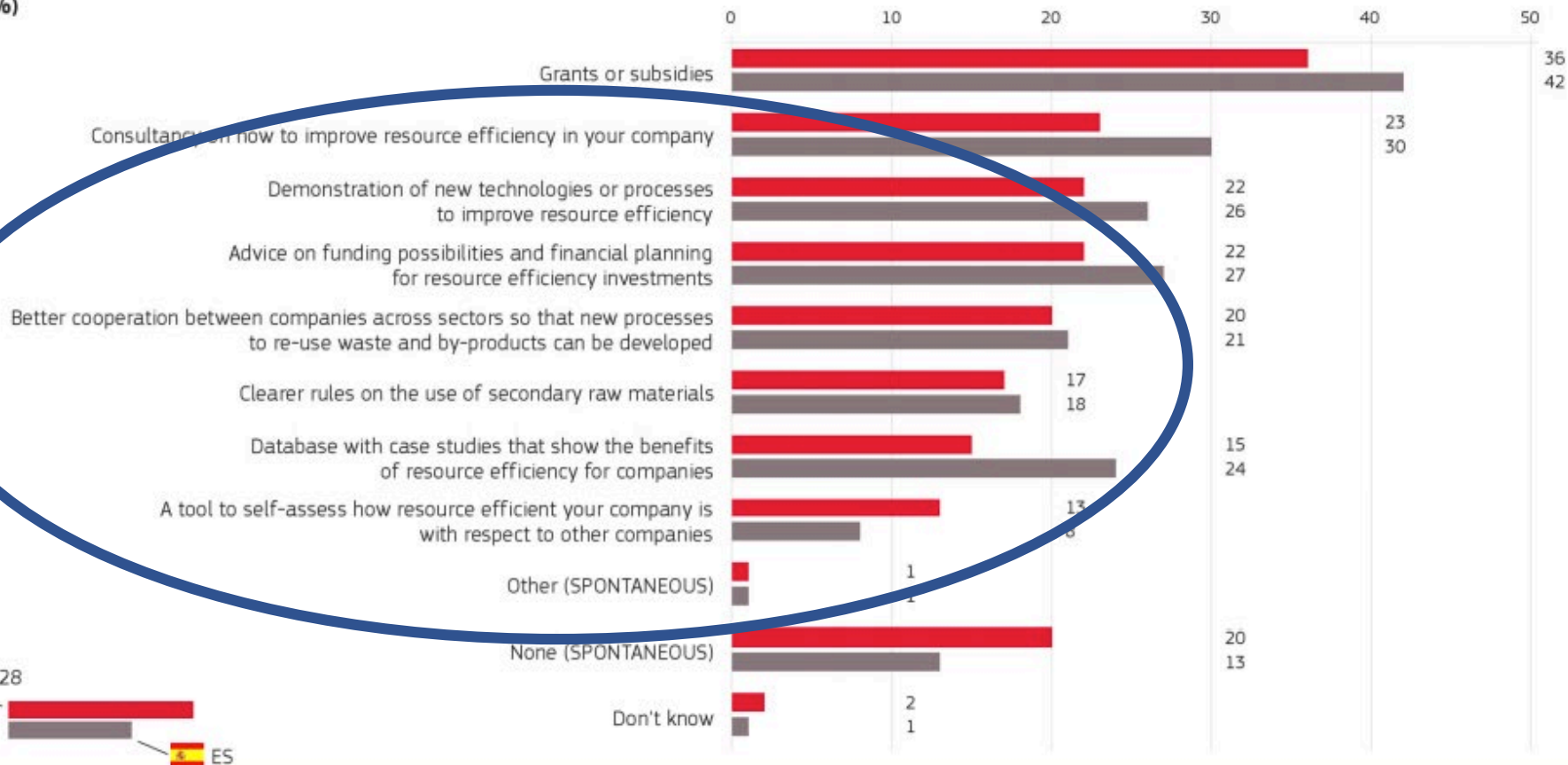
We also read that:

- SMEs are less active and less successful compared to larger companies but are reaching out more often to intermediaries for support

Hard facts* / why EREK

**Eurobarometer 2018, in Spain*

Q8 Which of the following would help your company the most to be more resource efficient? (MAX. 3 ANSWERS)
(%)



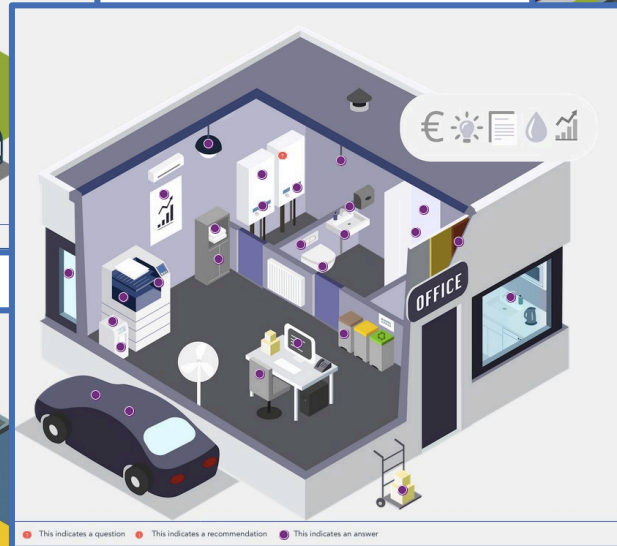
Solution?

The EREK tools for SMEs

- SELF ASSESSMENT TOOLS for 11 sectors/industries
- EXPANDING DATABASE OF MEASURES, GOOD PRACTICES, and TECHNOLOGIES
 - 109 measures, 289 good practices and 70 technologies
- SUPPORT PROGRAMMES
- SUPPORT ORGANISATIONS
 - **Spain**
 - 2 Spanish members: **ihobe & Ecoembes**
 - 25 Support Programmes
 - More than 20 Spanish Good Practices

The SAT *(and the integrated solution)*

Self Assessment Tool



1. Select your sector

Search by keyword



English

Save resources

Explore

Test your performance

Get support

It's happening

About

Demo version

Office

Food processing

Metal and plastics processing

Chemicals and process engineering

Timber and woodworking

Manufacturing of machinery and equipment

Wholesale and retail

Construction

Waste collection services (non-household)

Hotels and restaurants

Textile and clothing

WELCOME
PODRAVJE TO EREK!

Learn more about LEA!

SPODNJE

SME

2. Log in into your account

[Create new account](#) [Log in](#) [Request new password](#)

Log in to the self-assessment tool

E-mail or username *

Password *

[LOG IN](#)

No account yet?
You can create an account by clicking on "create new account" above. With an account, you can save your answers and recommendations in your secured personalised profile.

2. Answer the questions



SAT: Food processing

Systematic waste management

Do you manage your waste systematically?

☐ We have an efficient complex management system of waste treatment in line with waste hierarchy - we measure all types of waste, set the goals for its reduction and use innovative measures to reuse it.

☐ We organise waste management in line with legislation, we are not experts in waste management.

Cancel Confirm

Unanswered question

Systematic waste management

Do you manage your waste systematically?

☒ We have an efficient complex management system of waste treatment in line with waste hierarchy - we measure all types of waste, set the goals for its reduction and use innovative measures to reuse it.

☐ We organise waste management in line with legislation, we are not experts in waste management.

Back to the questionnaire All my results and tips

Answered question

2. Answer the questions



SAT: Metal and Plastics Processing

Refrigeration plant ×

Do you perform regularly checks and maintenance measures at your refrigeration plant?

- ☐ Yes, we regularly check our refrigeration plant and perform maintenance measures.
- ☐ We are aware of some maintenance measures. Unfortunately, we didn't implement them, yet.
- ☐ Our refrigeration plant has been operating well since years. There seems to be no need for maintenance measures.

Plastic Processing: Material ×

Do you consider the material efficiency in your plastic processing processes?

- ☐ We constantly improve our plastic processing processes in terms of material efficiency.
- ☐ We only take into account the material consumption when we set up a new process or introduce a new product.
- ☐ We have not explored the possibilities for material efficiency in our plastic processing processes yet.

3. Get your tailored report!

Go directly to the sections on:

Material **Water** Waste Management Energy

Water

Water is an essential resource for each food and drink industry operation - as an ingredient or for process-related water consumption (e.g. for washing, boiling, steaming, cooling), then for water consuming cleaning operations. Water consumption of the food and drink manufacturing industry accounts for approximately 1.8% of total water consumption in Europe!

Water saving

Organisations often do not know how much water they are using or that by using water more efficiently they could reduce what they pay for water supply and effluent disposal. Sites that have not previously tried to save water can often reduce their water and effluent bills by up to 30% by combining low- or no-cost opportunities with longer term water saving projects.

Assessment

- Each implemented water saving action is positive. However, it is more efficient to adopt a holistic approach as a base for water saving action and measure implementation.

Tips to improve your efficiency

Try to use complex water minimisation methods - management methods and actions in your organization.

Get ideas on how to improve your efficiency from our suggested measures

- Water minimisation in food processes

Get inspiration from good practices

- Winery shows how to save water in irrigation and cleaning
- Conveyor dry lubrication in bottling hall in a brewery
- Award-winning water efficiency measures in Northern Ireland
- Reduction of water consumption in beverage production
- Closed-circuit pump cuts water consumption

Get insights the following technologies

- Lobster pod for shellfish transportation

Show less ^

Database of resource efficiency solutions

EREK database of resource efficiency


Measures, Technologies and Good Practices

Do you want to know how much different measures and technological solutions would cost and how much money and resources they can save for your business? This database offers such data in a concise and comprehensive format.



EREK Database (468)


Switch view:  

Select Type 

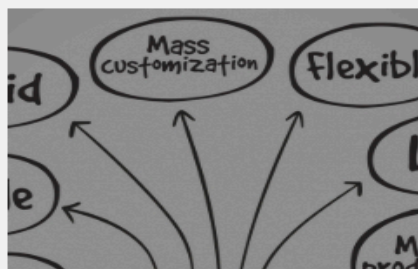
Select Sector / Industry 

Select Resource 

Select Investment cost 

Select Tags 

Search by keyword 



Digitalised one-piece-flow manufacturing

The wonders of digital production Digitalisation and product key saves material and energy costs Good example of 'just-in-time' manufacturing and customised production using digital solutions ...

Sector / Industry: Manufacturing of machinery and equipment

Showcasing the benefits

Examples from good practices

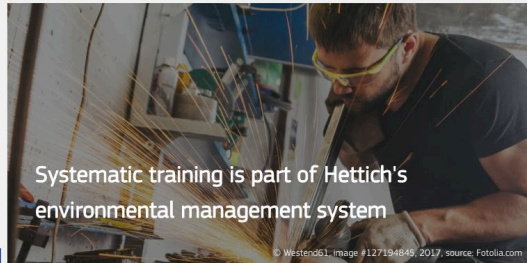
Showcasing ecodesign in Spain: Burdinola S. Coop

- Lab specialist uses **Life Cycle Assessment** and **ecodesign** principles to improve its production efficiency
- Analysis showed where **material savings** could be made and parts removed to cut costs
- **€ 54 040** in aluminium and steel materials saved annually in its **EPD-certified** fume cupboard product



Environmental awareness-training

- Hettich ČR, k.s. produces metal mounting and ironwork for furniture.
- The forward-thinking company has implemented an environmental management system as part of its bid to improve green performance and save costs.
- **Decreased** relative energy consumption **by 80 kWh** per tonne of product
- **Energy cost savings: 10 - 15%**
- **Decrease** energy cost by **€ 11 per tonne of product**



Systematic training is part of Hettich's environmental management system

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Resources: Energy, Carbon
Sector: Timber and woodworking
Cost: Medium cost
Annual saving: 10 - 15%
Payback time: 1 Year(s)

READ MORE ▾

Thinking green from day one

- Environmental awareness-training decreases energy consumption by 80 kWh per tonne of output

The EREK Network

57 members in 21 countries and 10
key partners



And your
organisation?

Services to SMEs support providers

Our focus is on **network expansion** and **expertise sharing** with active members. **EREK builds capacity of organisations providing services directly to companies.**

You can:

- **Get direct access to the information** gathered
- **Integrate the tools** into your own service offers
- **Co-organise** and **attend international workshops**
- **Promote** your **own services**, activities and events through EREK
- **Contribute to the database** on resource efficiency benefits and **showcase the successes of your members**

You will:

- **Shape** the development of **tools and activities** to fit your needs
- **Get recognition at EU and international level** as leaders/pioneers in the area of resource efficiency
- **Contribute to the European debate**

**Get support from our
Spanish members!**

Support to SMEs

Our focus is to help SMEs becoming more resource efficient.

EREK builds capacity of organisations providing services directly to companies.

You can:

- Get direct access to **the information** gathered
- Use the **SAT to asses your resource efficiency**
- Attend **international workshops**
- Learn **the latest news** in resource efficiency in Europe
- Get to know more about **support programmes** in your country

Next steps!

- EREK **network expansion**
- Get involved in the upcoming **EREK workshops**
 - SMEs support programmes webinar - MAR19 by ADEME (FR)
 - Packaging waste workshop - Katowice / MAR19 by IETU (PL)
 - Industrial symbiosis workshop – Helsinki / JUNE19 by MOTIVA (FI)
 - European Cluster Conference 2019 - Circular Europe workshop, MAY19
- EREK International Conference on Resource Efficiency – Brussels / 25-26 September

*Keep up to date by subscribing to **our newsletter** or by checking **www.resourceefficient.eu** !*

Thank you !

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