

# Carbon footprint monitoring

EU legislation and implementation

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the most significant contributor to global climate change is human activity with

95%

certainity



current concentration of  $CO_2$  in the atmosphere is the highest as it has been in the past

2.1

million years



Legislation 01

Monitoring methodologies 02

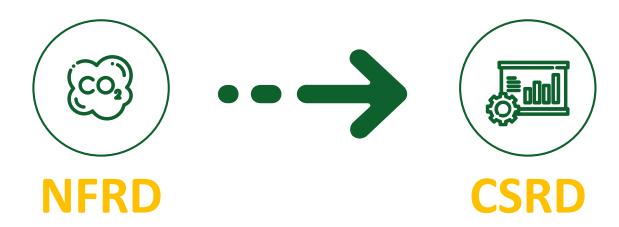
1 Implementation

Conclusion





# **New EU legislation**



Non-Financial Reporting Directive

Corporate Sustainability Reporting Directive



#### **NFRD**

Non-Financial Reporting Directive

- since 2014
- 12.000 companies

#### **CSRD**

**Corporate Sustainability Reporting Directive** 

- validity since 16. December 2022
  - 50.000 companies (by 2027)



## **CSRD** implementation stages



- 2 out of 3 criteria:
- > 250 employees
- net turnover > EUR 50 million
- balance sheet > EUR 43 million



- every company:
- > 250 employees



- every company:
- listed od the stock exchange
- 2 years exception possibility



# What should be report alike?



measurable



comparable



audited



## **Target groups**



banks, insurers

"Green loans"



investors

ESG investments



rating agencies



partners, costumers

competitiveness marketing





Key points about methodologies

- methodology is cornerstone
- availability of hundreds of methodologies
- ESG principles (as NFRD)





## 3 organizations standard







#### setting the rules

European Commission

#### produce a report verify and certify

organisation itself or another subject

auditor



#### **LCSA**

Life Cycle Sustainability Assessment

- Life cycle assessment
  - Life cycle costing
- Social life cycle assessment
- carbon footprint monitoring included

#### **GHGP**

**Green House Gas Protocol** 

- Ranganathan and Bhatia, 2004
  - Based on ISO 14000 series
    - 3 scopes
- ISO 14064 Carbon footprint of the company





# Why?



legislation

**CSRD** 



foreign demand

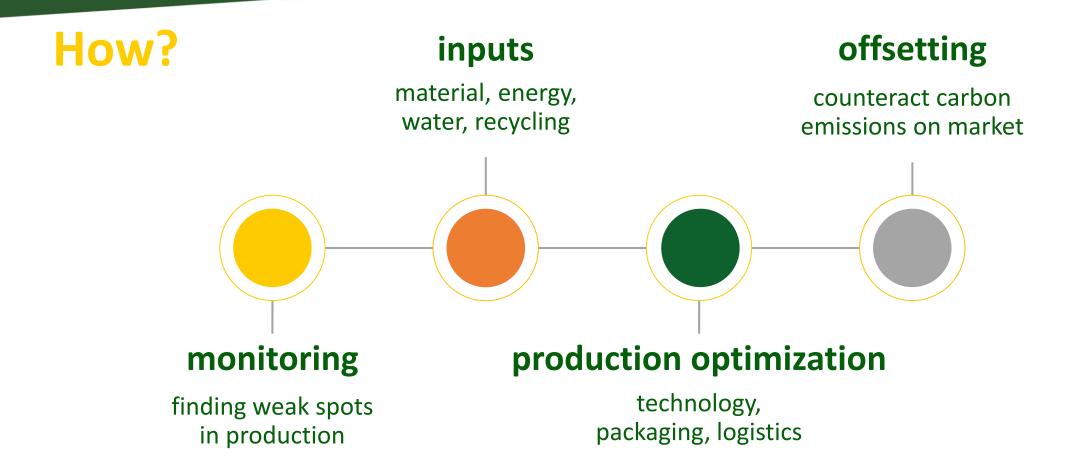
supply chain certification demand



competitiveness and benefits

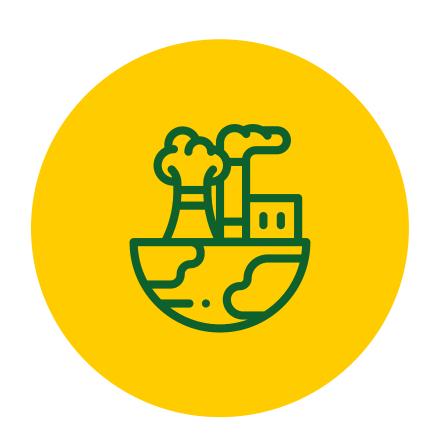
energy, economy







## **Wood-processing industry status**



- general industrial awareness
- low awareness in Czech wood processing industry
- corporate coverage by parent company







- CSRD is very complex and still in development process
- stay aware and informed
- stick to "mainstream" methodologies
- find appropriate partner for monitoring and certification







# Thanks!

Do you have any questions?

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