

From Recast to Real Impact:

From delivering the Energy Performance of Buildings Directive (EPBD) Recast to Tackling Energy Poverty and Reaching Climate Neutrality



Conference Housekeeping

Registration & Attendance

- Please ensure you have registered at the reception desk.
- Wear your name badge visibly at all times during the event.
- Kindly arrive on time for all breakout sessions to minimise disruption and stay on time for each session

Health & Safety

- In the event of an emergency, please follow instructions from venue staff and event organisers.
- Emergency exits are clearly marked throughout the venue. Please familiarise yourself with the nearest exit.
- Please report any accidents, hazards or incidents to an organiser immediately.

Mobile Phones & Devices

- Please keep mobile phones on silent during presentations and panel discussions.
- If you need to take a call, kindly step outside the conference room.

Photography & Recording

- Photography and video recording will take place during the event for promotional and reporting purposes.
- Please inform an organiser if you do not wish to appear in event photography or recordings.



Agenda

09:30 - Registration & Arrival Tea & Coffee

10:00 – Opening Address

10:10 - **Mrs Mary Robinson** – Pre-recorded Keynote Speech

10:30 - EU Peers – One-Stop-Shops and the EPBD

10:45 - European Experiences in The Deployment of One-Stop-Shops,

11:00 - Towards large-scale roll out of “integrated home renovation services” in Europe

11.15 - 11.30 - Tea/Coffee Break

11:30 - Recast EPBD Progress

11:45– The EPBD as a Catalyst for Tracking Energy Poverty- Supporting the most vulnerable in Society - **IGBC**

12:00 - OSS as a mechanism to tackle energy poverty

12:15 - **Panel Discussion - Topic: One Stop Shop Definitions Across Europe**

13:00 – 14:00 - Networking Lunch & Tea and Coffee

14:00 – What Role does Carbon Pricing play in the EPBD

14:10 – Tackling Energy Poverty in your community – how the EPBD priorities

14:30 - Afternoon Breakout Workshops (2 workshops)

14:30-15:15 Workshop I – Monetising Carbon: Unlocking Market Opportunities & Policy Innovation (Liffey Suite)

14:30-15:15 Workshop II – One Stop Shop Models & their link to Energy Poverty (Kilmainham Suite)

15:20 Summary feedback on the workshops

15:30 Conference Closing Address –



Workshop I:

Monetising Carbon: Unlocking Market Opportunities & Policy Innovation

OBJECTIVES:

- To enable participants understand the goals and benefits of carbon pricing for market players
- To enable participants understand the Carbon Saving and Avoiding Approach
- To facilitate behaviour change of participants to prioritise carbon neutrality

Welcome & Introduction



Dr. Dewi Vliex
EU Team Lead
South East Energy Agency



EU Peers

EU Peers aims to strengthen and spread the Integrated Home Renovation Services (IHRS) concept as a key instrument across Europe to increase the residential renovation rate significantly.

- **3-year funded project**
- **September 2024 – August 2026**
- **Funded by EU Union's LIFE Programme**
- **11 partners from 8 EU Countries**
- **CoP - Mixture of public & private organisations, contractors, OSS, energy agencies, obligated parties, financial institutes, assessors, advisors**



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Join the EU Peers Community of Practice

Apply to become a Member of the EU Peers Community of Practice!

Discover the vibrant EU Peers Community of Practice, Learn from and Engage with other practitioners, and Increase our joint capacity of action by becoming a Member!

Become a member ●



<https://www.eu-peers.eu/member-benefits-peers.eu>

What do you understand of Carbon Pricing?



<https://app.sli.do/event/r6FiGnMbs1KSj4766RvcKi>

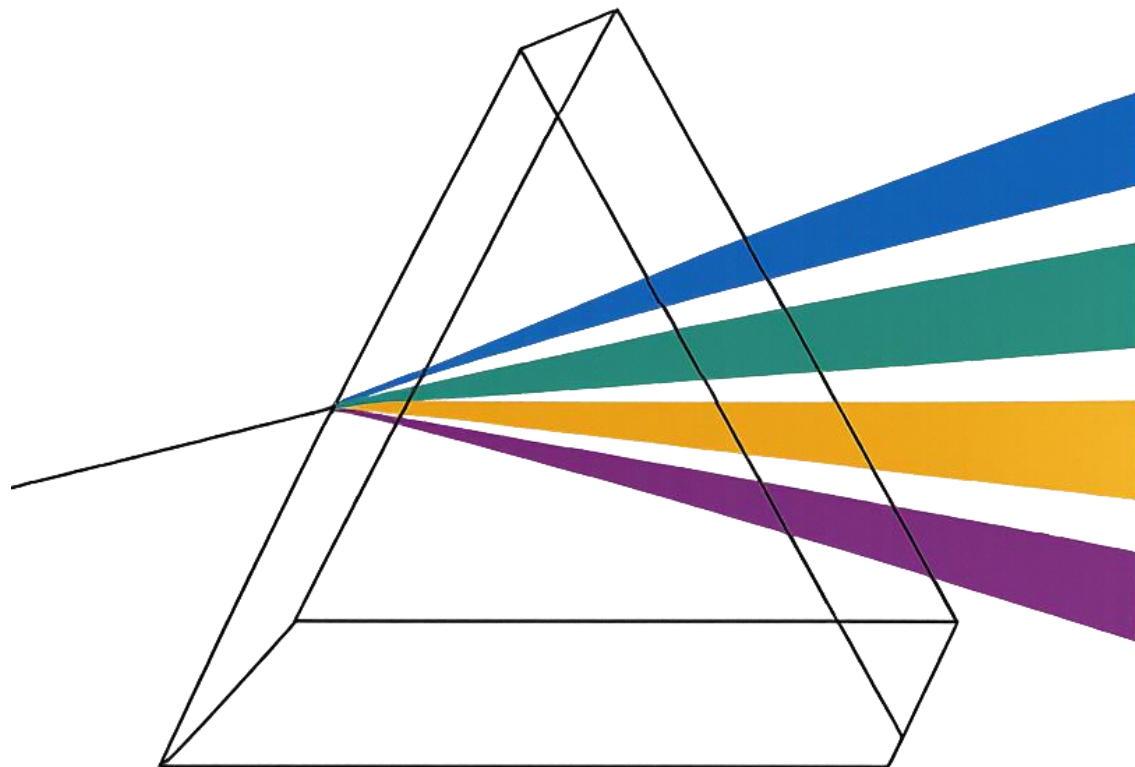
Successful Examples of the Application of Carbon Pricing Mechanisms in Public Procurement in the Netherlands



Sander Lubberhuizen

Innovation Manager for Circularity and Energy Transition, Municipality of Enschede & Klimaatverbond NL



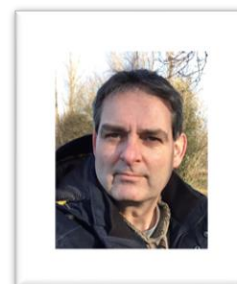


From Insight to Trade-off

How dutch public authorities
incorporate CO2 in
policy and execution,



Klimaatverbond
Nederland

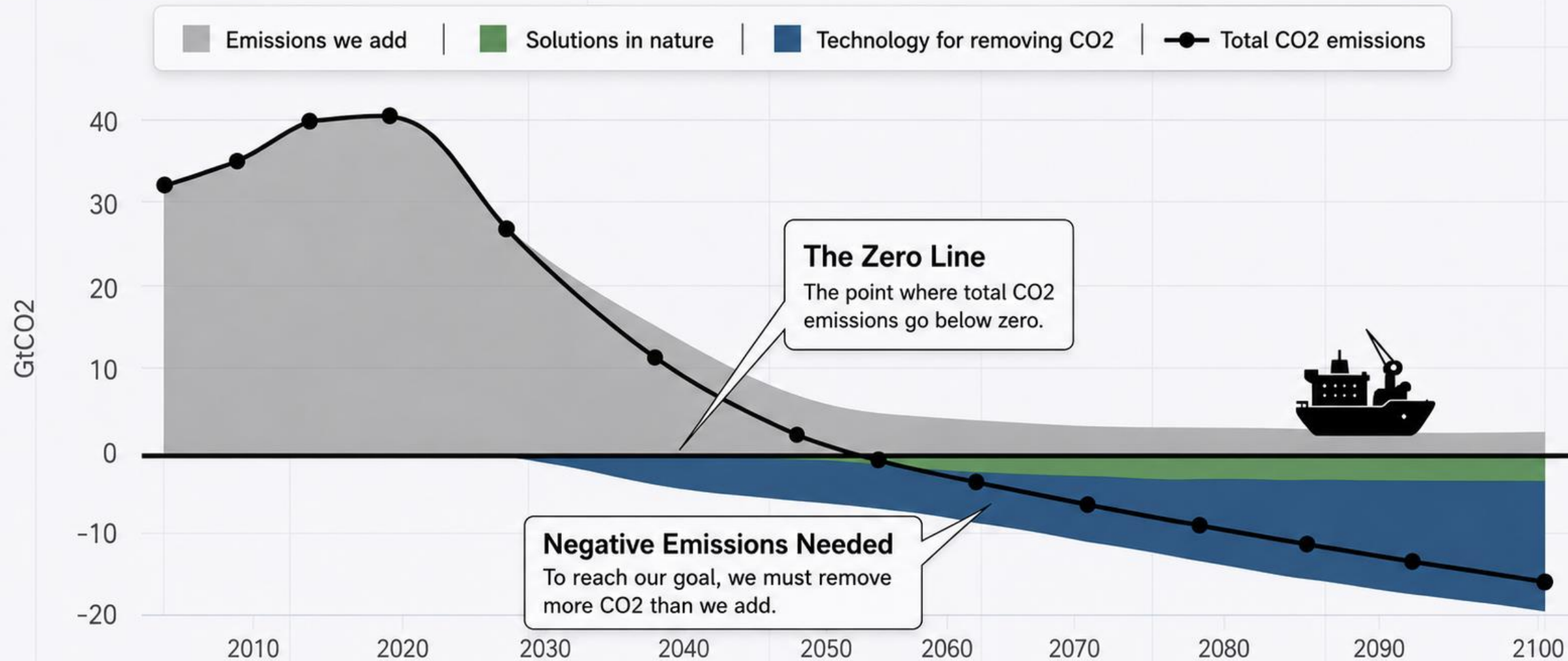


Sander Lubberhuizen
*innovation manager Circularity
and Energy Transition*



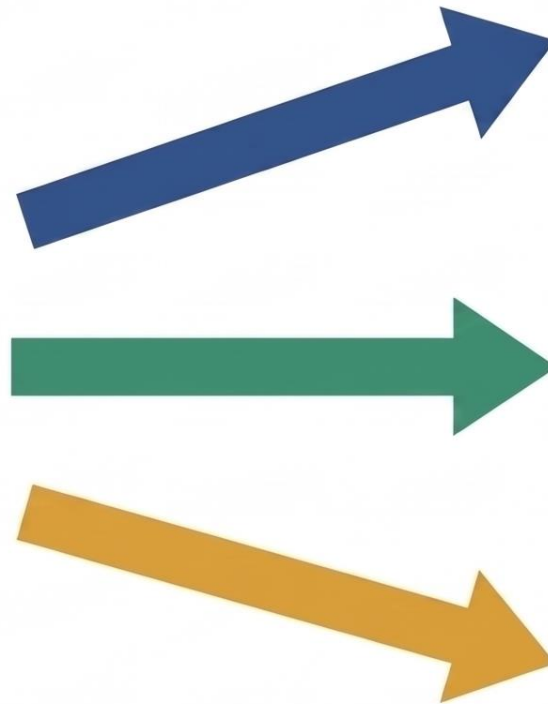
ENSCHDE

Our Goal: Net Negative Emissions



Climate goals demand more than reduction; they require structural carbon storage within our physical environment.

The unit is identical everywhere, but the meaning differs completely.



Applied by the Province of Utrecht. Is this the 'true' price?



Calculated in a project by Noord-Holland. Why is it so much lower?

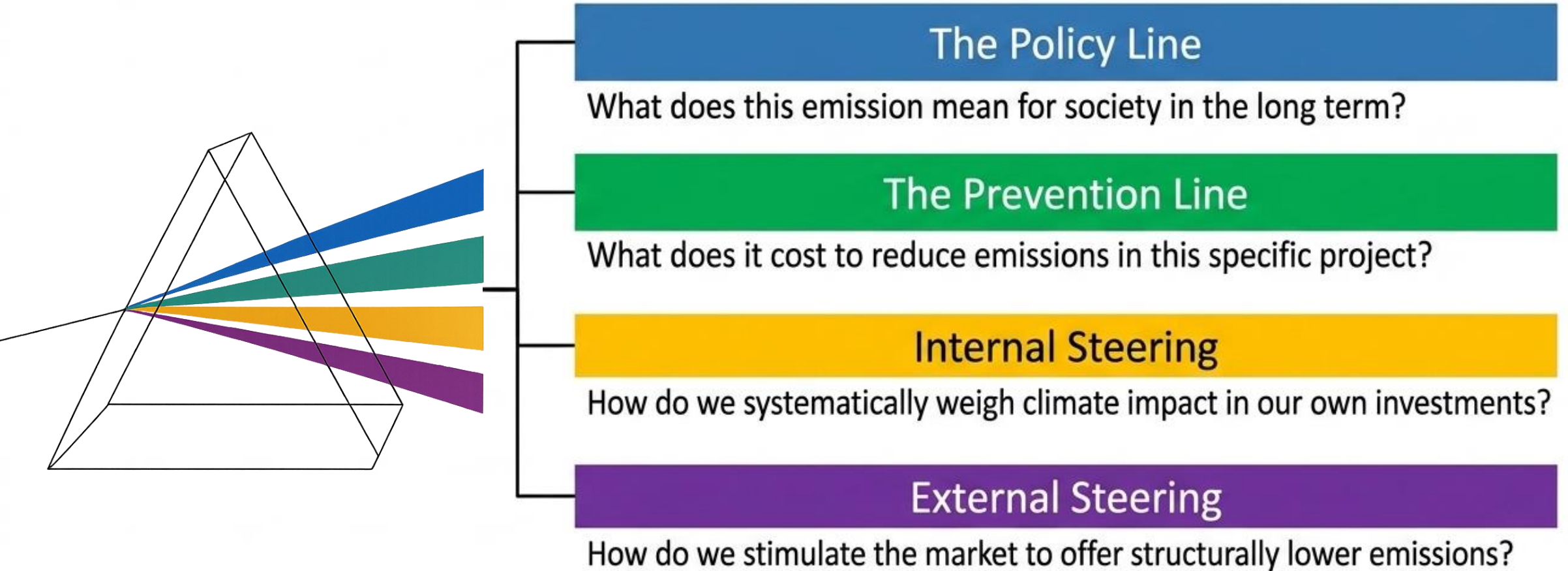


The internal shadow price of the Water Authorities. Yet another amount?

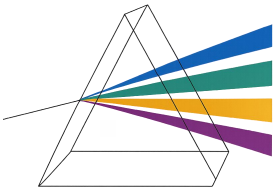
Governments increasingly use CO2 to substantiate choices. Because the amounts diverge sharply, confusion arises. The key to clarity: the meaning of a CO2 price depends entirely on the question being answered.

**Stop asking: “What is
the right price?”**
**Start asking: “What is the
question we are trying to
answer?”**

The Prism: Four Lenses for Decision Making



The Policy Line Values Societal Climate Damage



Not 'what does this measure cost?', but 'what is the societal weight of 1 ton of extra emission?'. This provides a strategic framework for decision-makers, using the Social Cost of Carbon (SCC).

Practical Case: Valuation in Strategic Choices

Context

Organization: Province of Utrecht

The Price: €875 / ton CO₂eq

Climate change is a form of market failure. Utrecht breaks this by making the external costs of emissions directly visible in social cost-benefit analyses.

Calculation Example Infrastructure

Variant A (10,000 ton CO₂) × €875
= €8.75 mln climate damage.

Variant B (7,500 ton CO₂) × €875
= €6.56 mln climate damage.

Conclusion: The societal gain of Variant B (€2.19 mln) is explicitly weighed against potential higher investment costs in the long term.

The Prevention Line calculates what emission reduction actually costs



The Core Question:

If I have two options, what does the alternative yield in avoided emissions, and how much extra does that cost?

Specific Abatement Costs:

The price here is not a predetermined policy goal, but an outcome. It is the result of comparing variants against a clear reference or baseline.

Actionable Perspective:

This approach is essential for project teams and designers. It helps deploy resources more effectively toward measures that yield the most reduction per invested euro. Useless without a baseline measurement.

Empowering the Drawing Board

Organization: Province Noord-Holland

The Approach: "A shortlist of proven solutions"

The Logic: Steering via simple cost bandwidths. If a measure costs < €400/ton to avoid, teams apply it immediately. No endless studies required.

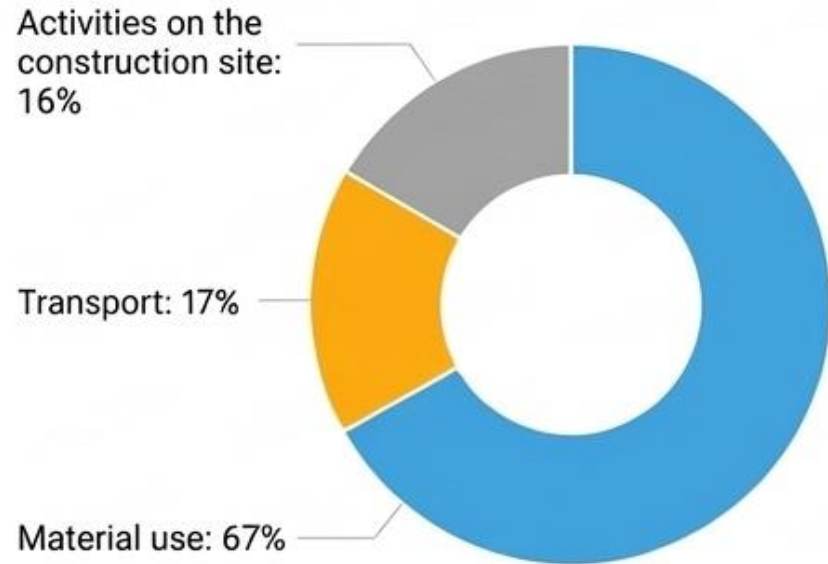
Organization: Municipality Enschede

The Approach: "CO2 and budget on one screen"

The Logic: Not a separate sustainability audit. A cost expert instantly sees the financial and CO2 consequences of choosing new concrete vs. reused concrete directly on the drawing board.

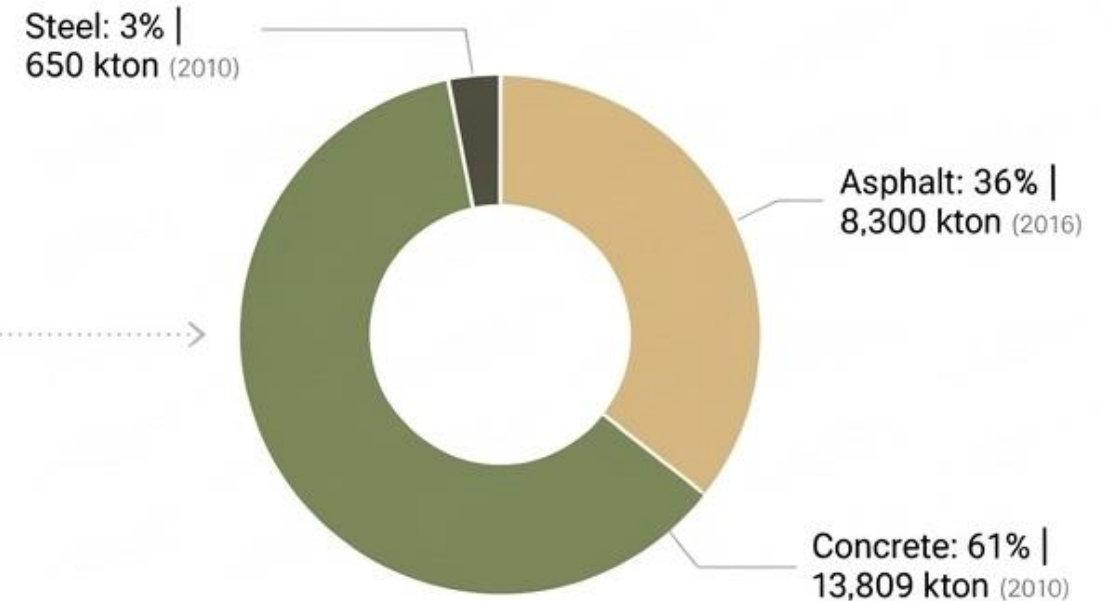
Profile of the Dutch Infrastructure Sector: Impact and Material Use

Distribution of Activities



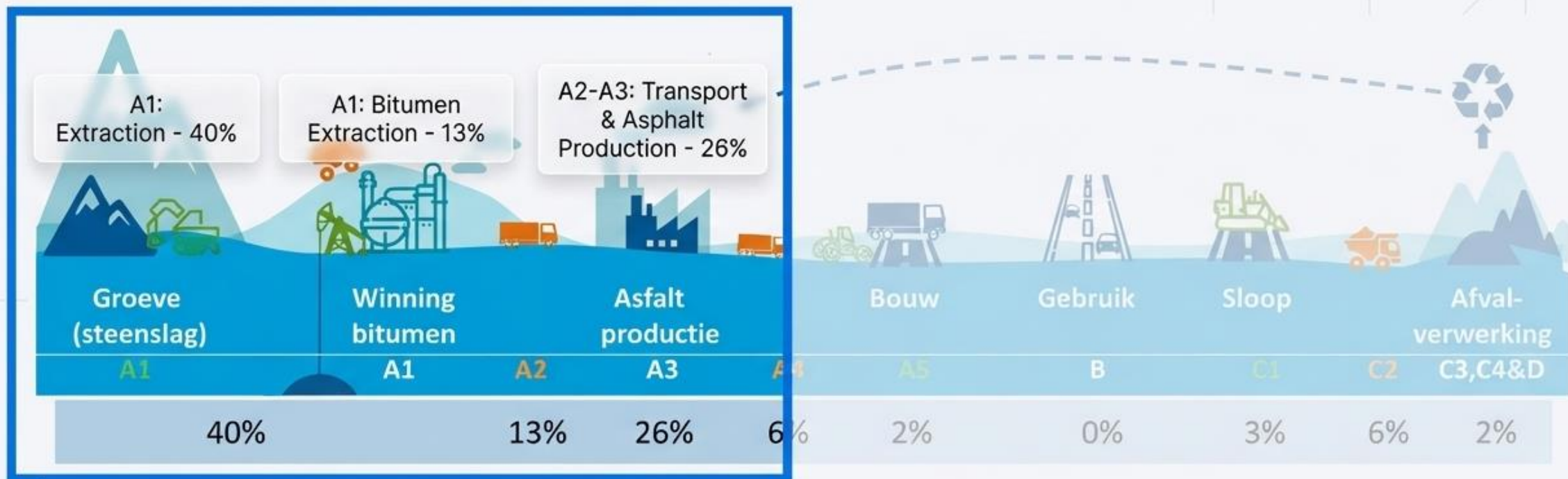
Material use is responsible for more than two-thirds of the total impact.

Ratio of Dominant Materials (in kton)



With over 13.8 megatons, concrete forms the absolute majority of the physical volume.

The Root Cause: The 80% Rule of Infrastructure Emissions



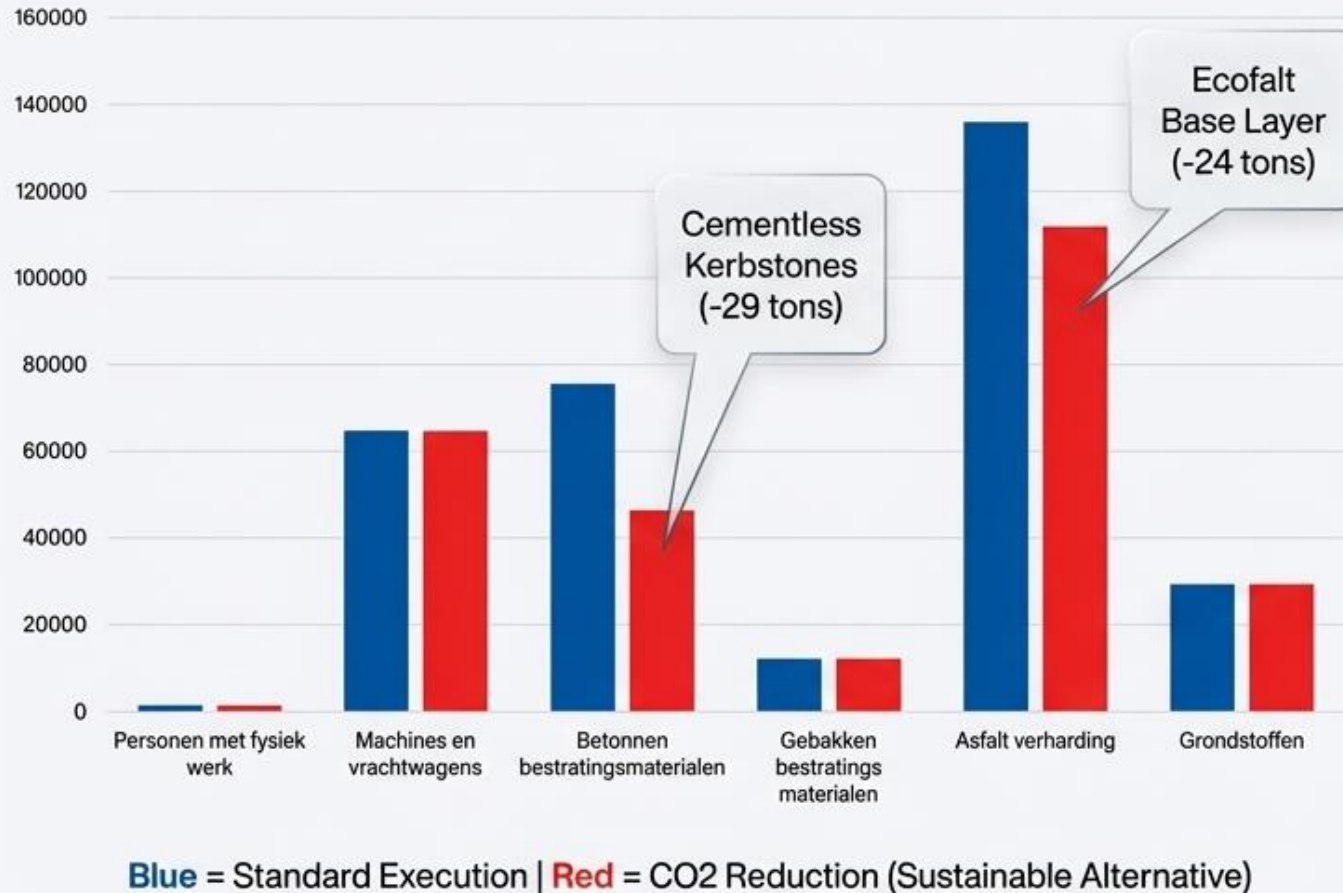
~80%

Phases A1 through A3 (Extraction, Transport, and Production) account for nearly 80% of total lifecycle CO2 emissions.

Key Takeaway: To move the needle on decarbonization, project managers must focus relentlessly on material selection and production methods, not just on-site construction machinery.

Real-World Proof: The Enschede F35 Project

CO2 Emissions: Standard vs. Sustainable Execution



Impact & Financials

Standard execution: €715,000

Sustainable alternative: €722,000

Extra Cost: €7,000

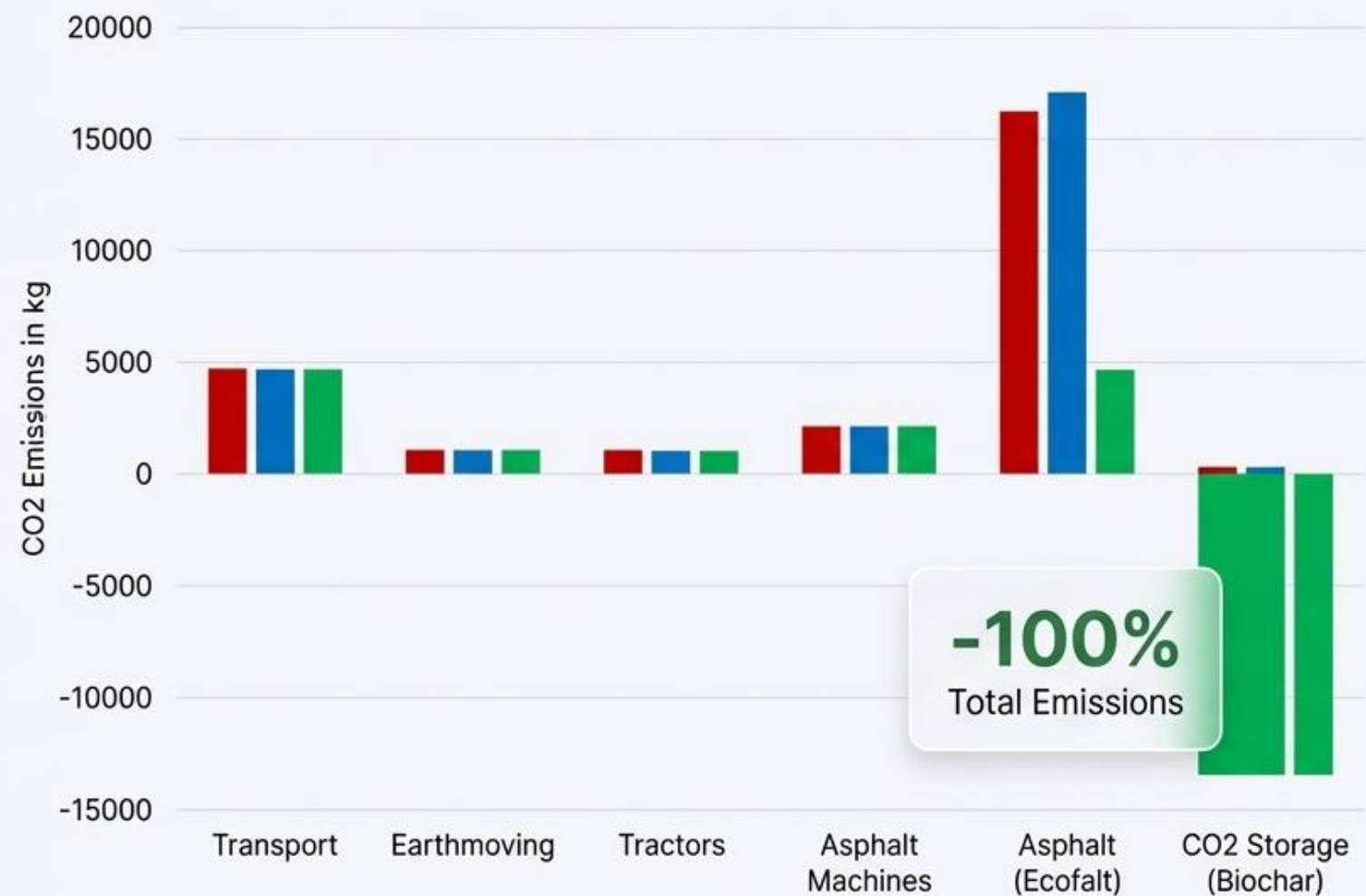
Total CO2 Saved: 53 tons

The Bottom Line:

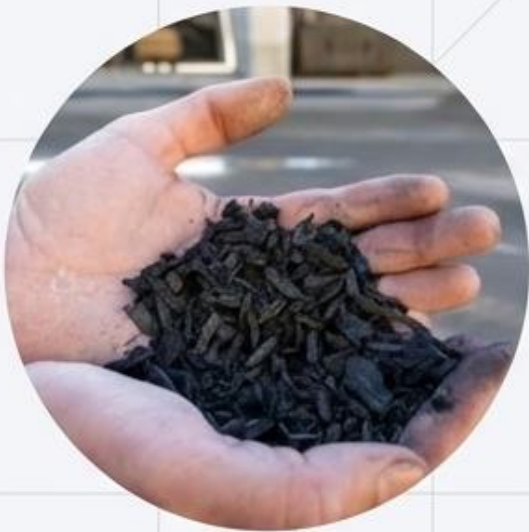
€132 per Ton of CO2 Reduced

A highly efficient environmental investment.

Pushing Past Zero: The Parkweg Bicycle Path



English Translation:
Red = Historical CO2 Total | Blue = Standard Execution | Green = Sustainable Execution



KPI Dashboard

Financials:
Standard: €46,643 | Sustainable: €56,502
Difference: €9,858

Impact:
CO2 Difference: -28.5 tons (Net negative emission)

The Bottom Line:
€345 per Ton of CO2 Reduced/Stored

Steering at the Drawing Board

CO2 Cost Compass (Province of North Holland)

	Bandwidth	Logic
● Always do	< €100 / ton	No discussion, execute immediately.
● Defensive	€100 - €400 / ton	Good balance, recommended for projects.
● Economically Irresponsible	> €800 / ton	Do not do without specific strategy.

Municipality of Enschede

CO2 and budget on one screen

Designers no longer make separate sustainability studies. A cost expert sees the financial and CO2 consequences of new versus circular concrete directly on the drawing board.

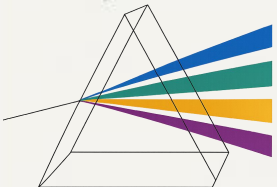
Shifting Internal Behavior Through Shadow Pricing

€448 / ton

Organization:
Municipality Amsterdam

The Rule: "Sustainable, unless..."

The Outcome: If you deviate from the sustainable choice, the internal CO2 price is applied to the business case to prove mathematically why it's a bad financial idea.



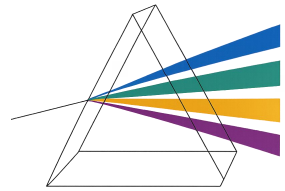
€100–150 / ton

Organization:
Union of Water Authorities

The Rule: "Making green choices financially logical"

The Outcome: Fictitious CO2 costs are added to polluting designs, instantly justifying the budget for the greener alternative on paper.

External Steering: Rewarding the market for demonstrable reduction



**Award
Advantage**

The Core Question:

How do we stimulate suppliers and contractors to structurally lower their emissions throughout the entire chain?

The CO2 Performance Ladder (Version 4.0):

This instrument does not value climate damage (Policy Line) and calculates no internal price (Internal Steering). It works as a certification system and procurement instrument.

The Logic (Market Incentives):

The Ladder puts no direct price on emissions, but creates an economic signal: organizations that demonstrably perform better (insight, measures, chain collaboration) receive a fictitious discount on their bid price.

The Result:

A provider with a higher actual price can still win the tender, because the reduction effort weighs heavier in the total EMVI-assessment (Most Economically Advantageous Tender).

Summary: The Right Instrument for the Right Project Phase

	Exploration	Initiation	Design	Tendering	Realization
The Policy Line					Monitoring
The Prevention Line					
Internal Steering					
External Steering					

The maturity of CO2 steering lies not in finding one uniform amount, but in the capacity to use the right instrument in the right phase.

Conclusion: From Insight to Weighing



1. End Conceptual Confusion

Always make clear if an amount is for long-term valuation (Blue Policy Line) or for concrete project comparison (Green Prevention Line).



2. Organize the Learning Process

Ensure that specific reduction costs from practice are used to update the organization's fixed calculation values (Yellow Internal Steering).



3. Choose the Right Language

Don't use CO2 pricing as an abstract settlement tool, but as a shared language to reward the market (Purple External Steering).



Interreg



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Q&A



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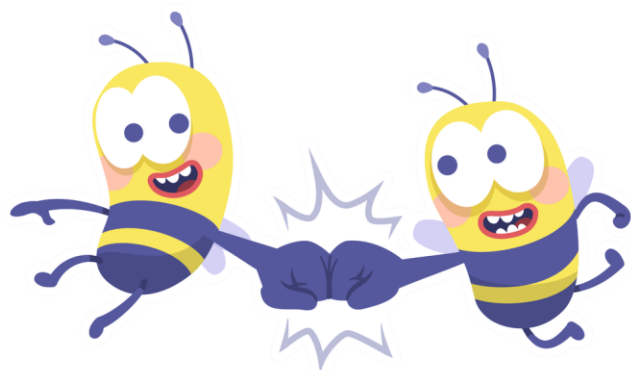
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Thank you

Roundtable Discussion

1. Expected barriers from Stakeholder side/ market player side?
2. Would the presented carbon pricing instruments be useful for the stakeholder/are you interested?
3. What is your opinion implementing Carbon Pricing, benefits saving money in the long term?



Join the DeCarb-Pro Community of Practice

Benefits:

- Carbon Pricing is more than an analytic/calculation instrument. The **greatest opportunities** for CO₂ reduction **lie earlier in the procurement process**, where high level strategic and design decisions are made. The CoP could be a valuable support platform to implement Carbon Pricing as a decision-making instrument.
- The Dutch and French partners already have valuable experience and knowledge in the field of Carbon Pricing as a **decision-making tool**. This presents an opportunity to learn what is working in other countries and how to execute it here in Ireland.
- Joining allows you to **benefit** from the existing Carbon Pricing practice of early-stage decision making.
- With training courses, **transfer of knowledge is guaranteed**.



Join

<https://www.surveymonkey.com/r/2D36PD5>

Conclusion



Conference Closing Address

From Recast to Real Impact



Alex Hamilton,
Head of Operations
South East Energy Agency

*Thank you
for attending*

Event Feedback Survey

