

Environmental Spend Analysis

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” An **environmental spend analysis** is a procurement analysis where various environmental factors are integrated. It allows for examining the environmental and climate impact resulting from purchases within the public sector. It also enables the investigation of the type and extent of environmental impact different types of purchases have in relation to other types of purchases.”

Miljöspendanalys

– Beskrivning av en metod för att integrera
klimatpåverkan i allmänna inköpsanalyser

RAPPORT 2019:4



Calculate the climate impact of purchases

LCA

Indicator of the environmental impact of the purchases in
relation to other purchases

Identify procurement categories that should be
prioritized

Klimatindikatorerna

Kärnan i miljöspendanalysen är miljöindikatorerna. För LCA finns det i dagsläget bara klimatindikatorer. När vi på dessa sidor skriver miljöindikatorer är det alltså synonymt med klimatindikatorer. Dessa ligger på nivå 4 i vår kategoristruktur. Det går i princip att bygga ut kategoristrukturen med fler underliggande nivåer, ända ned till artikelnivå. I följande avsnitt beskriver vi klimatindikatorerna och nivå 4 i kategoristrukturen samt kopplar den till nomenklaturerna CPV och UNSPSC.

Indikatorerna beskriver den klimatpåverkan som inköp av olika typer (inköpskategorier) kan ha. Vad klimatindikatorerna baseras på och hur de är uppbyggda beskrivs i rapporten [Miljöspendanalys - metod för att analysera miljöpåverkan](#).

[Klimatindikatorer i miljöspendanalysen \(Excel-fil för nedladdning\)](#)

[Miljöspendanalys - metod för att analysera miljöpåverkan \(rapport\)](#)

Naming of the purchase

Klassificeringar, möjlig 4:e nivå i kategoristrukturen

UNSPSC version 2011		CPV		
UNSPSC-kod	UNSPSC benämning	CPV-kod (kod JJ är ej CPV)	Utbyggd CPV (ej officiell, hjälp-kod)	CPV benämning
		006040364-JJ	006040364-JJ	Ej CPV - IT-hårdvara, skärmar, utskrift - defaultvärde
43210000	Datorutrustning och tillbehör	30200000-1	30200000-1	Datorer och datamateriel
43211503	Bärbara datorer	30213100-6	30213100-6	Bärbara datorer
43211500	Datorer	30213300-8	30213300-8	Stationär dator
		30231000-7	30231000-7	Datorskärmar och manöverenheter
		30231310-3	30231310-3	Platta bildskärmar
43223309	Patch-panel	30231320-6	30231320-6	Pekskärmar

Category structure

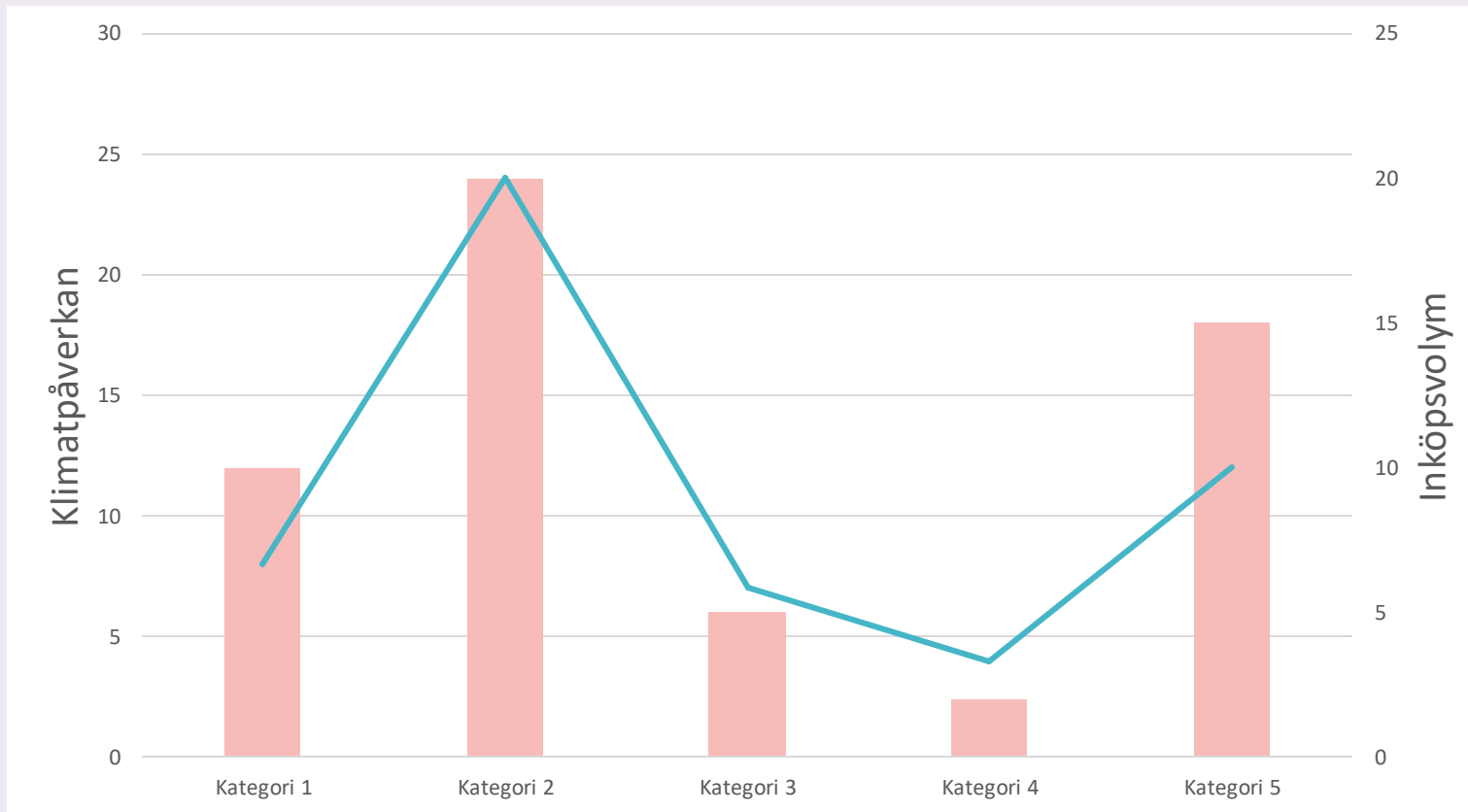
Kategoristruktur					
nivå 3		nivå 2		nivå 1	
kat 3 nr <input type="text"/>	kategori nivå 3 <input type="text"/>	kat 2 <input type="text"/>	kategori nivå 2 <input type="text"/>	kat 1 <input type="text"/>	kategori nivå 1 <input type="text"/>
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation
3,0	IT-hårdvara, skärmar, utskrift	4,0	IT och tele	6,0	Organisation

Climate indicator

CPV	Klimatpåverkan (kg CO ₂ -e/SEK)		
CPV benämning	Specifika indikator	Default indikator	CPV för default
Ej CPV - IT-hårdvara, skärmar, utskrift - defaultvärde		0,034625923	30213100-6
Datorer och datamateriel	0,0101215737		
Bärbara datorer	0,0346259226		
Stationär dator	0,0208912101		
Pekskärmar			

$$\text{Klimatpåverkan [kg CO}_{2\text{-ekv}] = \text{Klimatindikator} \left[\frac{\text{kg CO}_{2\text{-ekv}}}{\text{SEK}} \right] \times \text{Inköpsvolym [SEK]}$$

Result



Summary

Description of the current state

Compare different categories with each other

Prioritize within the strategic procurement efforts

Indicative Result

Category Tree and an understanding of what is purchased

Visit the [Swedish Procurement Authority's website](#)

Wondering whether to conduct an environmental spend analysis
or not? Do it!

Thank you!

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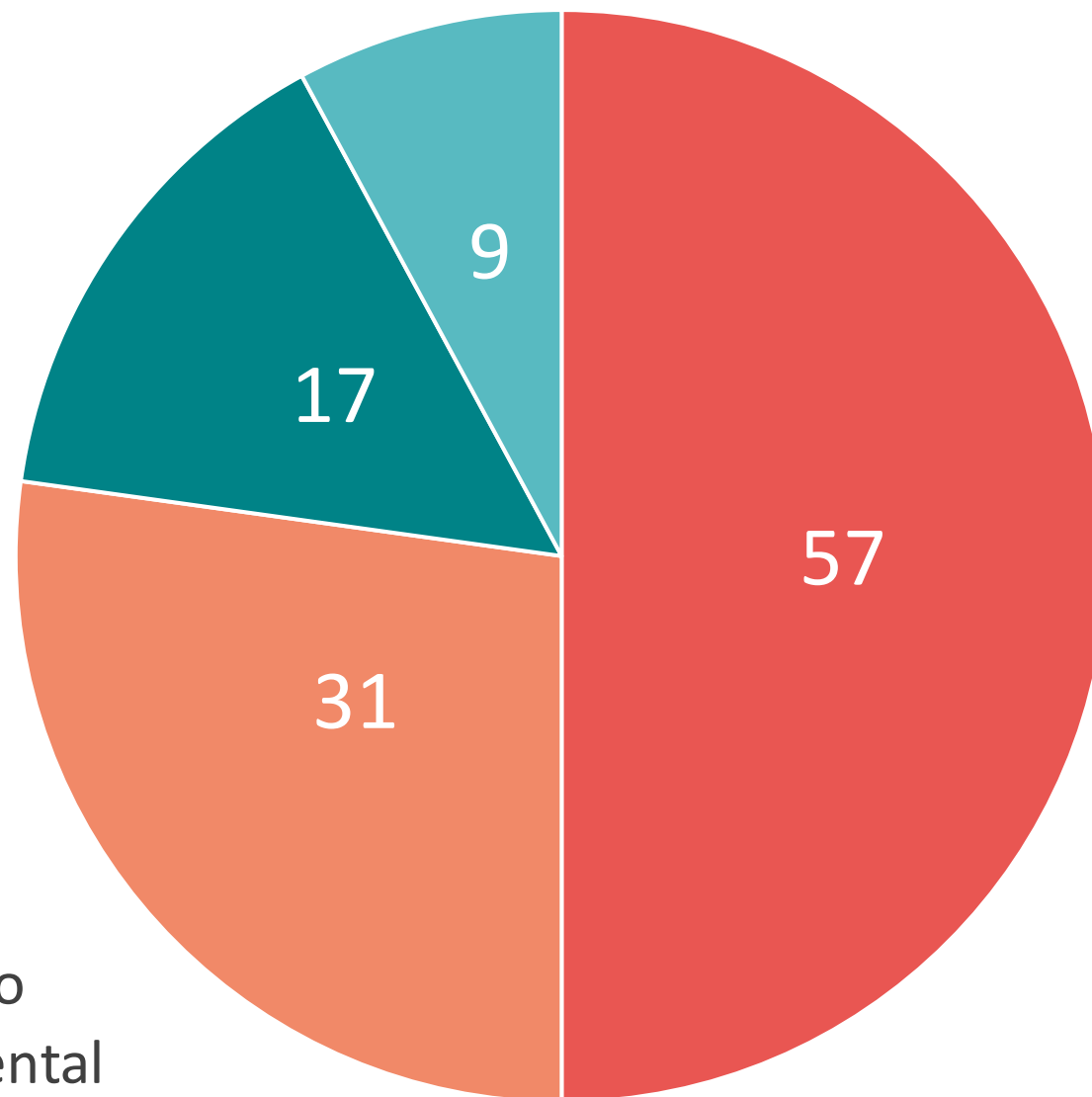
Experiences with environmental spend analysis

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Work on an environmental spend analysis...

Yes, an environmental spend analysis has been conducted.



No, no environmental spend analysis has been conducted, and there are no plans to...

Plans are in place to conduct an environmental spend analysis.

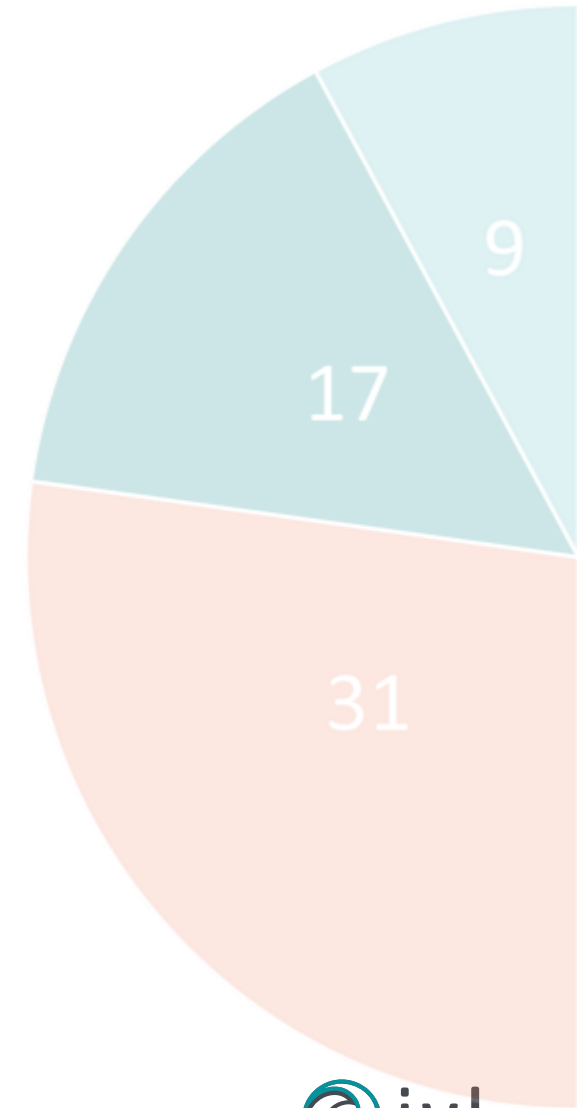
Why?

“Map the emissions of the municipality's operations to link them to the municipality's CO2 budget.”

“To map the climate impact of purchases and allocate these to the different departments.”

“In order to work on reducing the climate impact of our purchases in line with the long-term goal of becoming a climate-neutral municipality.”

“Connected to our goal in the Environmental Program, to gain a comprehensive view of the organization's emissions and to work strategically on emission reductions.”



How can the results be used?

Identify and prioritize categories

Confirmation

Simplify for procurers

Create an understanding

As an educational tool

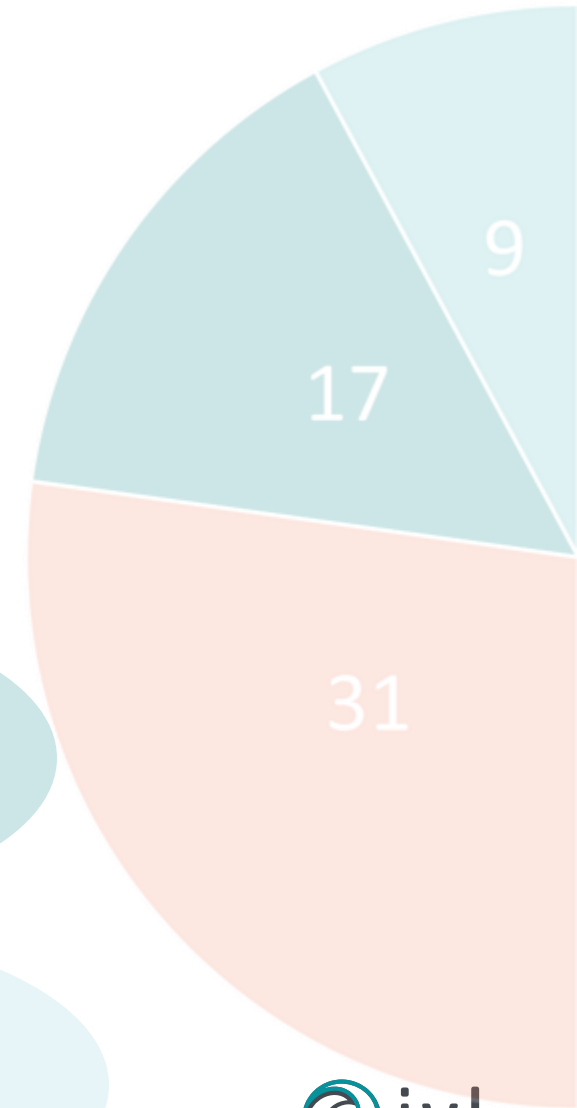
Clarify where the focus should be

The result is too rough/unreliable to use

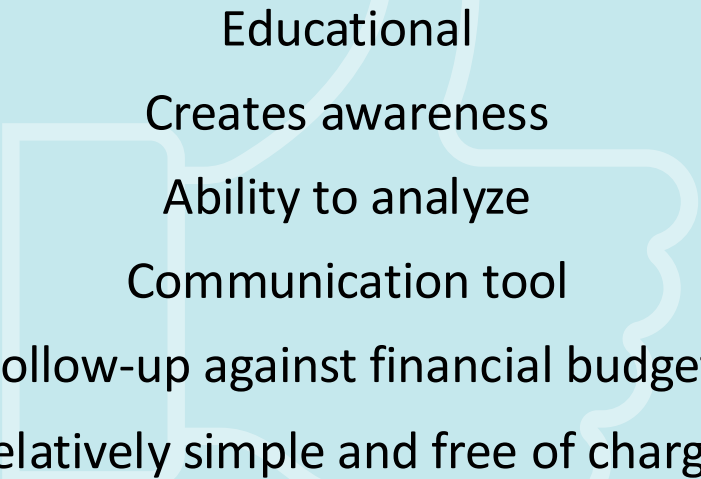
Highlights where the most benefit can be made

Possibility to set own climate targets

Increased commitment to sustainable purchasing

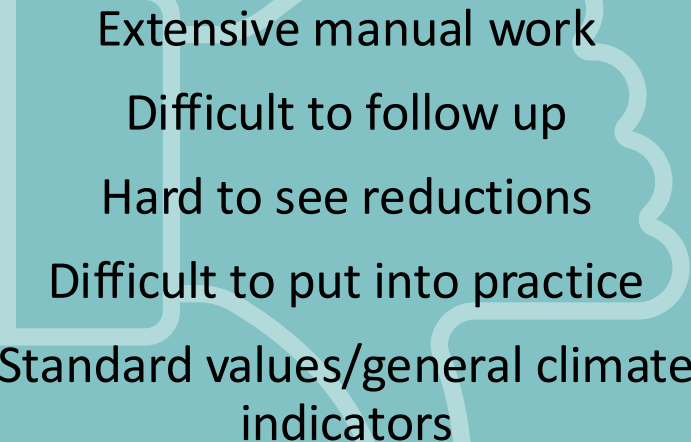


Advantages



Educational
Creates awareness
Ability to analyze
Communication tool
Follow-up against financial budget
Relatively simple and free of charge

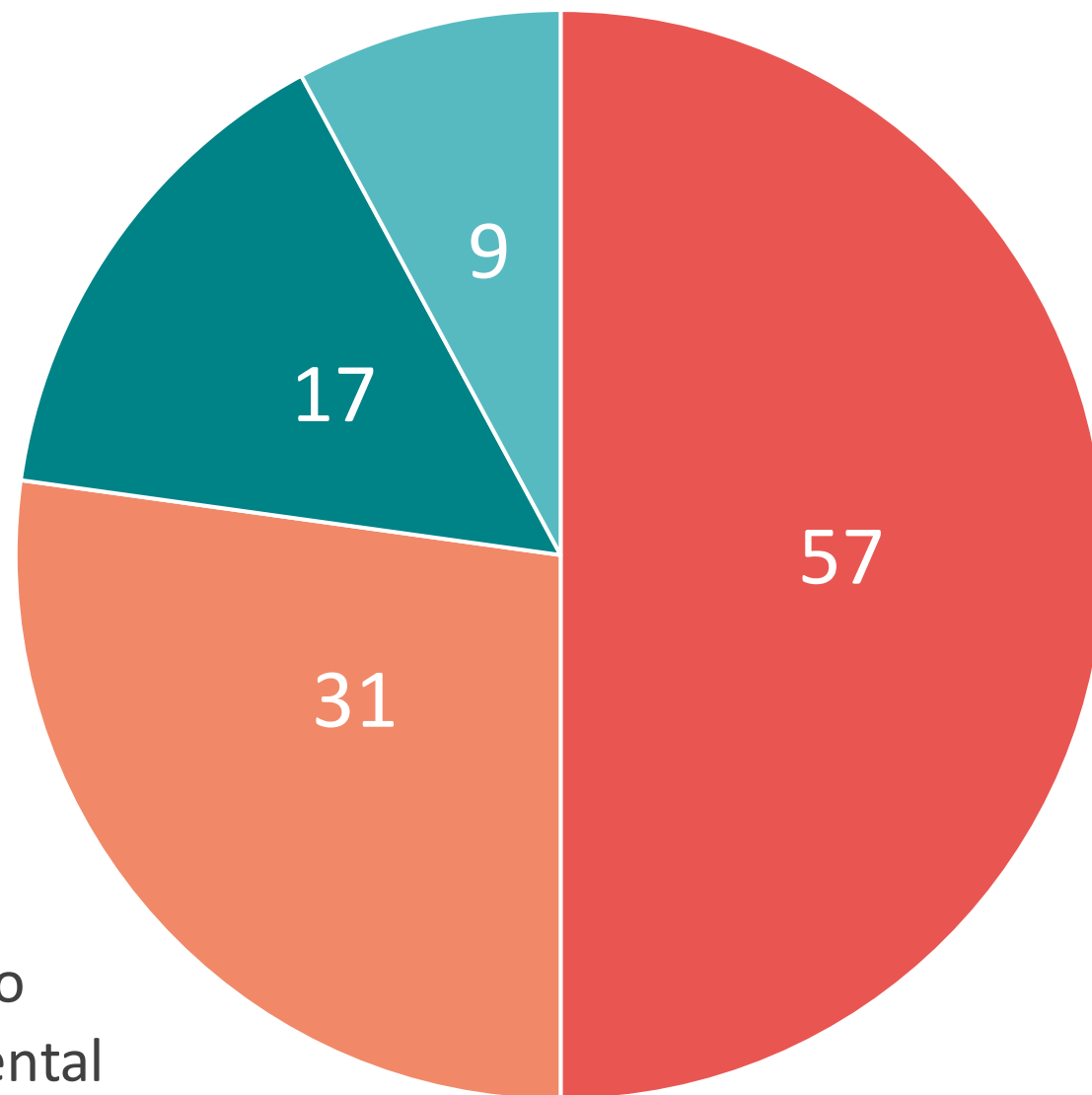
Disadvantages



Extensive manual work
Difficult to follow up
Hard to see reductions
Difficult to put into practice
Standard values/general climate indicators

Work on an environmental spend analysis...

Yes, an environmental spend analysis has been conducted.



No, no environmental spend analysis has been conducted, and there are no plans to...

Plans are in place to conduct an environmental spend analysis.

Why not?

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Lack of resources and
knowledge

Unclear who is responsible,
lack of knowledge

No assignments, not
prioritized, lack of resources,
lack of knowledge

Other reasons
Another method

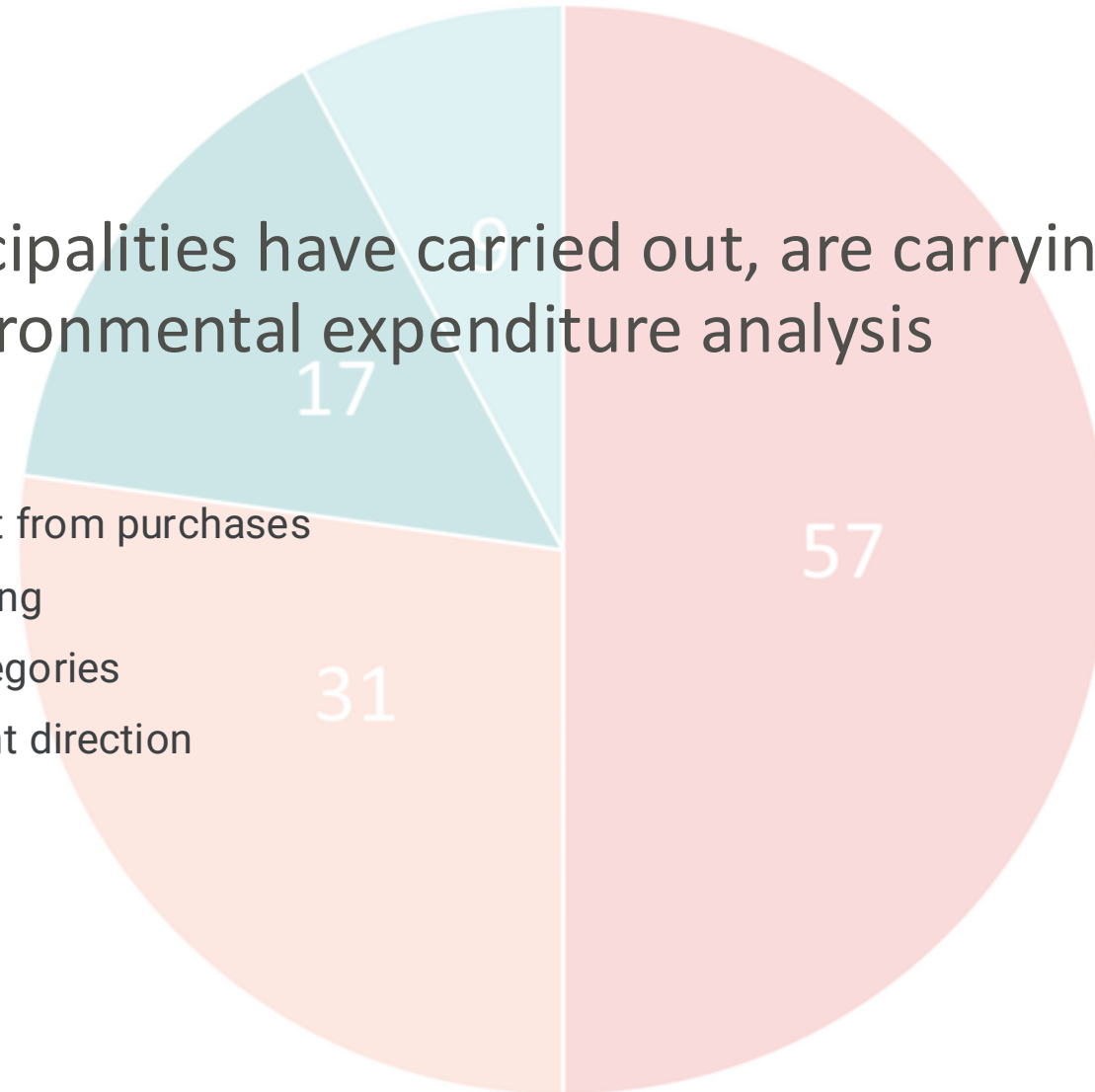
Summary

Half of the municipalities have carried out, are carrying out or plan to carry out an environmental expenditure analysis

Why??

- Map the climate impact from purchases
- Creates an understanding
- Prioritize purchase categories
- Direct efforts in the right direction

Ahead?



Thank you!

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