

HOW TO MEASURE SPP IMPACTS NORWAY

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Our approach

- To support result-based management (RBM)



- Major focus is on climate change
- Five target groups for measurement results “data products”:
 - Central government, our own management, procurement officers, the population/media, research/business
- Maximum reuse of data/registers – minimise reporting
 - Centralised data lake – so far mainly not procurement data
 - Ingesting, transforming, joining and visualising publicly when possible (Tableau Public)
- From coarse to fine grained data

Example 1 – Procurement overview – spend analysis

- Goal: help organisations prioritise their climate reduction activities
- Questions addressed:
 - Which categories are responsible for most of our climate emissions?
 - What is the climate footprint of our organisation?
- Data sources:
 - Spend data (from the central government accounting system)
 - Climate intensity data (CO2 equiv. per “euro”) from EE MRIO models
 - Organisational data (from public sector catalogue): no of employees, etc.
- Data product:
 - Online, open visualisations including benchmarking
- Challenges:
 - Does not take into account the specific products/suppliers (coarse planning tool)
 - Bad at measuring effects of measures taken

Sammenligning av virksomheter

På denne siden kan du sammenligne to statlige virksomheter. Velg virksomheter, årstall, og hvilken indikator du ønsker å vise: totalbeløp, andelen innenfor hver innkjøpskategori eller beløp per årsverk. I boksen under valgene er det en oversikt over hvilke årstall verktøyet har data for. Manglende data er i hovedsak grunnet omorganiseringer, etablering og nedleggelse av virksomheter.

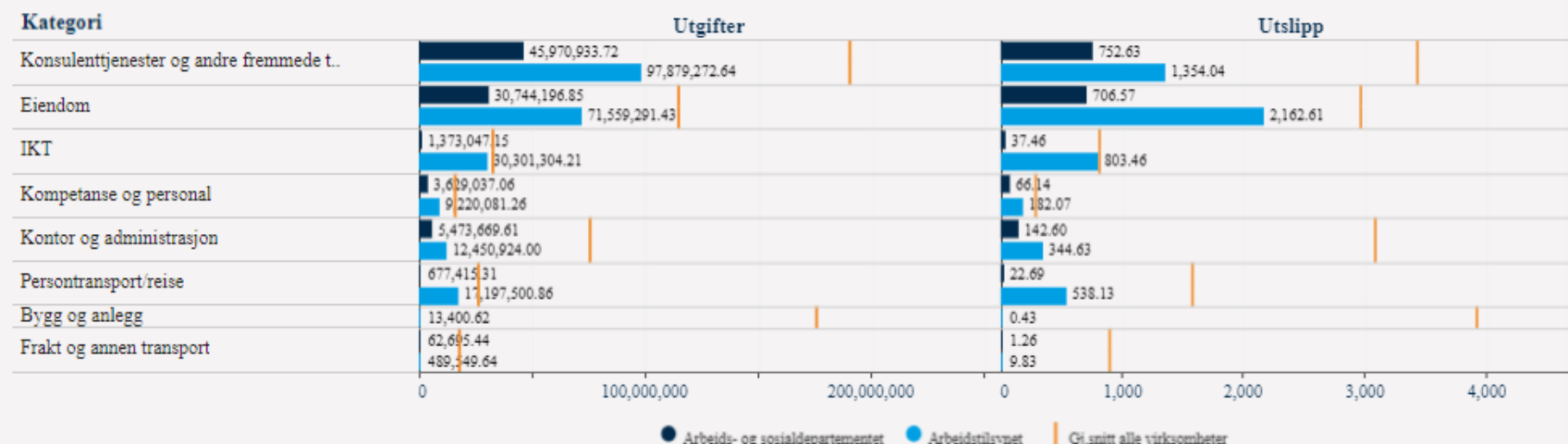
Velg virksomheter	Velg år og indikator
Arbeids- og sosialdepartementet	2021
Arbeidstilsynet	Totalt

	2017	2018	2019	2020	2021
1 Arbeids- og sosialdepartementet	✓	✓	✓	✓	✓
2 Arbeidstilsynet	✓	✓	✓	✓	✓

Fakta om virksomhetene

	Arbeids- og sosialdepartementet	Arbeidstilsynet
Antall årsverk	178	585
Utgifter	87,930,995	239,111,325
Utslipp (tonn CO ₂ e)	1,729	5,395
Utgifter per årsverk	494,606	408,954
Utslipp per årsverk	10	9

Utgifter og klimafotavtrykk fordelt på innkjøpskategorier - Totalt

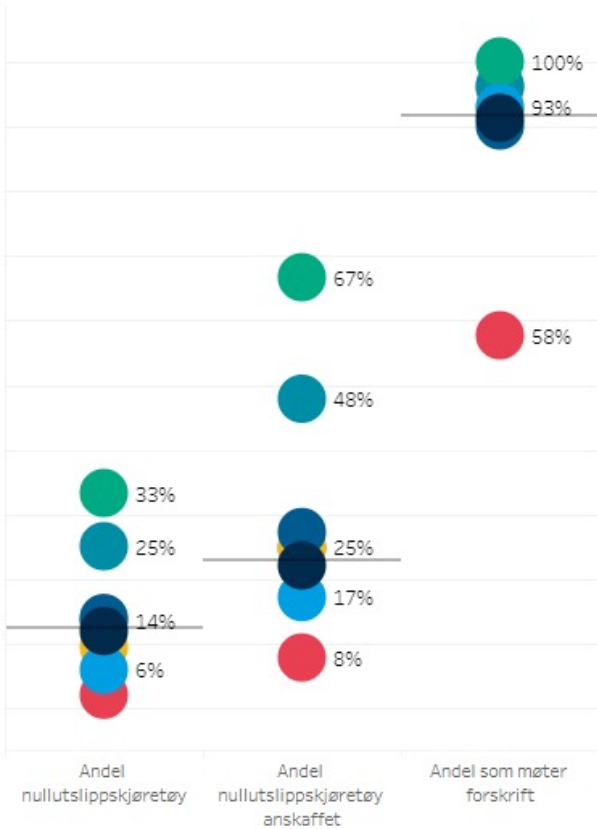


Example 2 – Zero-emission vehicles

- Challenge: get procurers to buy zero-emission vehicles (when possible)
- Implementation: regulation – slowly increasing requirements
- Questions:
 - Procurer: How many vehicles do we have, how old, what will be the climate effect of replacing x this year...?
 - Us: Who is still buying fossil vehicles and why?
- Implementation:
 - Data from car registrations and company register
 - Two visualisation modes: contracting authority (including car lists) and overview
 - Proposal: Legally binding requirement to report purchase of fossil vehicles including reason

Nøkkeltall per sektor

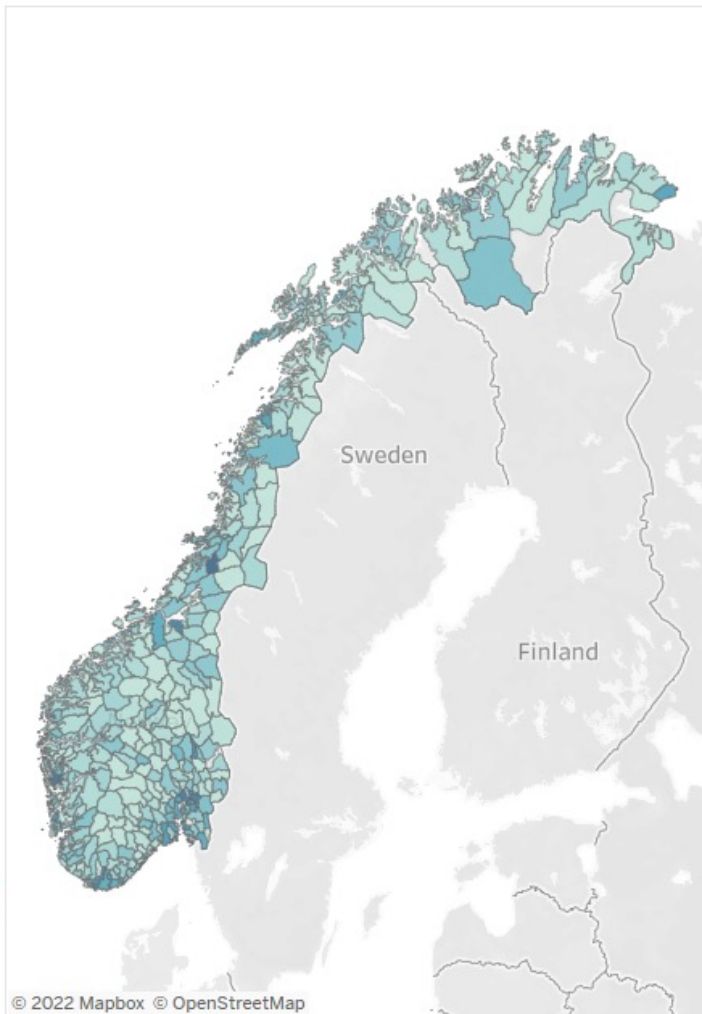
Streken viser gjennomsnitt for alle sektorer



- Sektor
- Null
 - Fylkeskommune
 - Interkommunalt selskap
 - Komm. foretak
 - Kommune
 - Staten

Andel nullutslippskjøretøy i bilparken per kommune

Klikk på kartet for å sammenligne sektorene i valgt kommune i grafen til venstre



Velg måltall som vises på kartet

Andel nullutslippskjør...

Verdi måltall



Landareal (km²)



Innbyggere per km²



Kjøretøygruppe

(All)

<https://anskaffelser.no/bilparkdata>

Example 3 – Environmental clauses in requests for tender

- Challenge:
 - Get procurers to demand environmental quality when publishing requests for tenders
- Question:
 - How often are they doing this?
- Solution:
 - Fetch competition documents (open) from major supplier of procurement software to data lake
 - Azure Cognitive search (available internally)

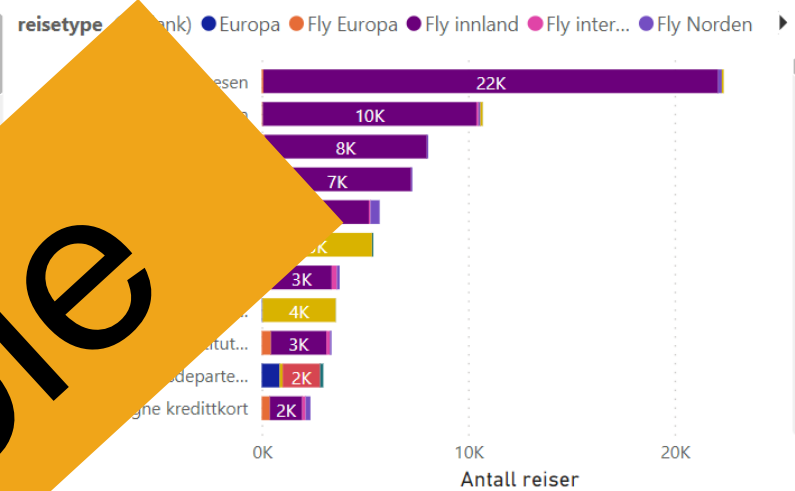
Example 4 – Climate emissions from duty travel

- Goal: help organisations reduce the carbon footprint of duty travel
- Questions addressed:
 - What is the climate impact of our duty travel (also at departmental level)?
 - How can we plan our duty travel within climate budgets?
- Data sources:
 - Travel data including climate emissions collected by the two travel agencies
- Data product:
 - Detailed visualisations for each organisation directly from travel agencies
 - Anonymised travel data from the travel agencies to DFØ -> Power-BI
 - Budgeting tool under discussion...
- Challenges:
 - Does not take into account the specific flight details

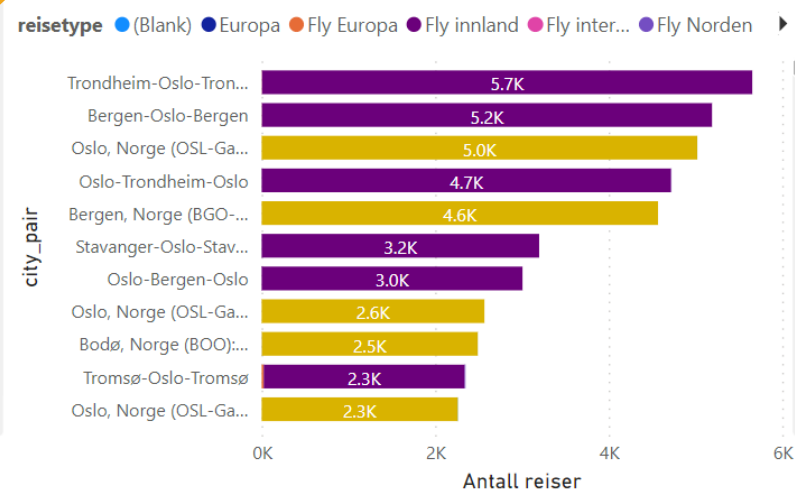
CO2 utslipp i KG



Antall reiser per geografisk område (Innenlands, Europa, Interkont.)



Antall reiser per destinasjon



virksomhetsnavn

Search

Select all

Filters

Search

Filters on this visual

virksomhetsnavn is (All)



Our experience

- Climate accounting is major driver
- Moving from document analysis/intentions to actual behaviour
- Start with what questions need to be answered, and then find good enough data – category/market knowledge important
- Include data requirements into contract clauses
- Collect data into central storage – reuse and reanalyse.
- We need harmonised product specific climate data



Thank you for your attention 😊