

## DMI dashboard

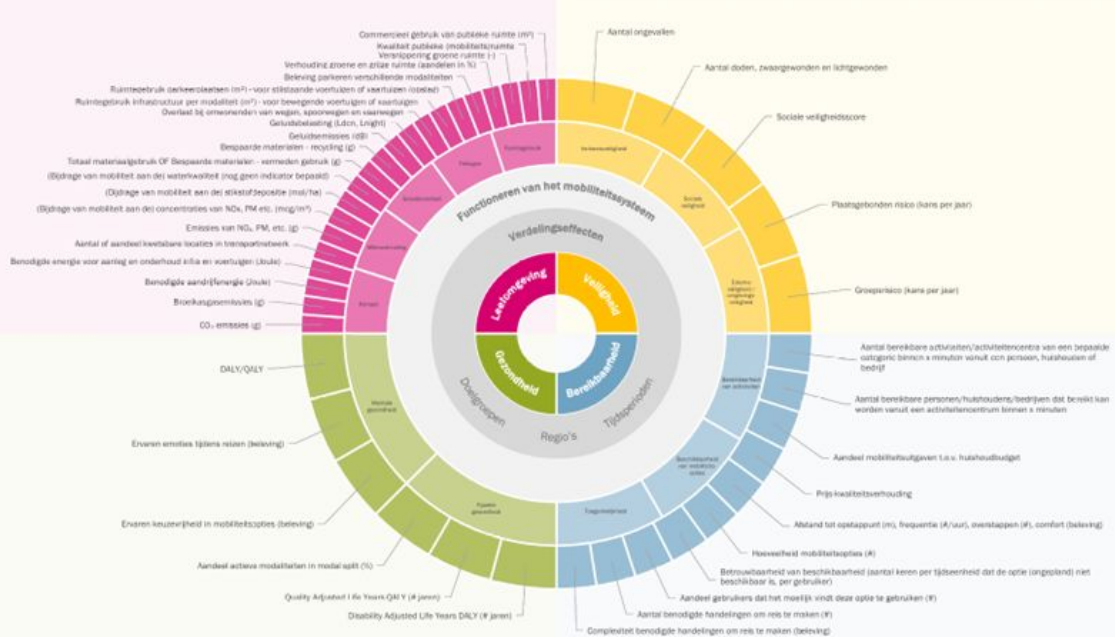
- Eén miljoen nieuwe woningen vraagt om innovatieve en duurzame verstedelijking,
- Mobiliteitstransitie, energietransitie, ruimte voor klimaatadaptatie en brede welvaart zijn daar onderdeel van,
- Integrale uitdaging: acht domeinen samen brengen
- Eén dashboard voor data gedreven inzichten gebaseerd op open nationale data
- Proof of Concept gemaakt van een DMI dashboard
- Slimme duurzame verstedelijking verbeteren met gedeelde kwantificeerbare indicatoren
- Operationalisering van de Blauwdruk van G40 gemeenten

Het DMI dashboard toont KPI's van 8 domeinen door data verrijking van publieke landelijke data ontsloten door het Open Urban Platform



# In samenhang met I&W dashboards voor Brede Welvaart en Climate View

## Indicatoren voor brede welvaart en mobiliteit



Domain	Subdomain	Specification	Transition Elements	
Energy	Power and heat production		Fossil free electricity production	
			Shift to biogas in district heating	
	Central heating		Shift to residual heat in district heating	
			Reduced proportion of fossil waste	
			CCS from waste incineration	
			CCS from solid biofuels	
Transportation	Private transport	Renewable fuels	Heating in commercial buildings	
			Shift to district heating in single-family houses	
	Freight transport	Renewable fuels	Shift to biogas heating of commercial buildings	
		Energy efficiency	Heating homes and buildings with renewable solid biofuels	
	Aviation	Energy efficiency	Increase renewable proportion in diesel	
			Shift to electric cars	
	Maritime transport	Renewable fuels	Increase proportion of community by electric bus	
		Energy efficiency	Increased proportion of walking and cycling	
	Industry	Iron and steel		Transfer from car to railway
				Increased proportion of non-travel meetings and services
Fuel refining	Renewable fuels		More efficient community by car	
			Improved vehicle technology	
Cement and mineral	Cement and mineral		Biodiesel for heavy trucks	
			Shift to electric heavy trucks	
Paper and pulp	Paper and pulp		Transfer from car to railway	
			Transfer from heavy truck to sea	
Metals	Metals		Improved road sector heavy trucks	
			Improved vehicle technology heavy trucks	
Agriculture	Animal digestion		Biodiesel for sea freight transport	
			Electrication of domestic sea freight transport	
Other	Mobile machinery		More efficient sea freight transport	
			Shift to LNG fuel for sea freight transport	
Vaste	Vaste		Bioduels for air transport	
			More efficient passenger airplanes	
Solvants and other products	Solvants and other products		Shift from passenger air transport to railway	
			Production using hydrogen	
Vaste	Vaste		Biodiesel for steel production	
			Electrication of production of iron and steel industry	
Other	Other		Renewable raw materials for refineries	
			CC-SAPCU for refineries	
Other	Other		Renewable hydrogen	
			CCS for cement and concrete industry	
Other	Other		Electrication of production of cement and mineral industry	
			Bioduels for cement and mineral industry	
Other	Other		Low carbon construction of buildings	
			Optimization of concrete	
Other	Other		Bioduels for other industry	
			Electrication of other industries	
Other	Other		CC-SAPCU for chemical industry	
			Renewable raw materials for chemical industry	
Other	Other		Increased use of recycled plastics	
			Bioduels for paper and pulp industry	
Other	Other		Electrication of production in paper and pulp industry	
			Remaining emissions	
Other	Other		Sheet alloys	
			Increased use of recycled metal	
Other	Other		Bioduels for metal industry	
			Remaining emissions	
Other	Other		Food additives	
			Changed production	
Other	Other		Increased response efficiency	
			Remaining emissions	
Other	Other		Cultivated land	
			Increased efficiency plant breeding and culturing	
Other	Other		Optimizing fertilizer use	
			Nitric acid users	
Other	Other		Ferrous	
			Remaining emissions	
Other	Other		Reduce evaporation of liquid fertilizer	
			Fertilizer from an aerobic digestion in biogas production	
Other	Other		Mobile machinery using biofuels	
			Electrication of mobile machinery	
Other	Other		Improved energy efficiency and hybridization of mobile machinery	
			Replacement of fluorinated gases	
Other	Other		Reduction of solvents	
			Replacing solvents with alternatives	
Other	Other		Destruction of fluorinated gases	
			Reduced leak age	
Other	Other		Efficient treatment of sewage water and sludge	

Bron: Vonk Noordegraaf, D., Wilimink, I. en Bouma, G. (2021) Indicatoren voor brede welvaart in het mobiliteitsdomein – een vertrekpunt voor discussie gebaseerd op een quickscan. TNO-rapport in samenwerking met het ministerie van Infrastructuur en Waterstaat, TNO 2021 R12422



## Demo

- Openbaar BI Dashboard
- Koppeling via OUP

## Vervolgstappen:

- Voltooi Proof of Concept DMI Dashboard (tot eind 2024).
  - Alle 8 domeinen, alle 64 indicatoren, verbeterde functionaliteiten.
- Test en evaluatie van het dashboard met DMI-gemeenten.
- Integratie met andere relevante beschikbare databronnen.
- Bijwerken van Blauwdruk en het DMI Dashboard bij.
- Ontwikkel nieuwe nationale databanken op basis van de Blauwdruk.
- Start aanbesteding voor ontwikkeling en meerjarige operatie van het DMI Dashboard (zomer 2025).

Uw reacties, suggesties en wensen zijn welkom!