



Partnerskaber om grøn transport i lyset af

Verdensmålene



Henrik Gudmundsson
CONCITO

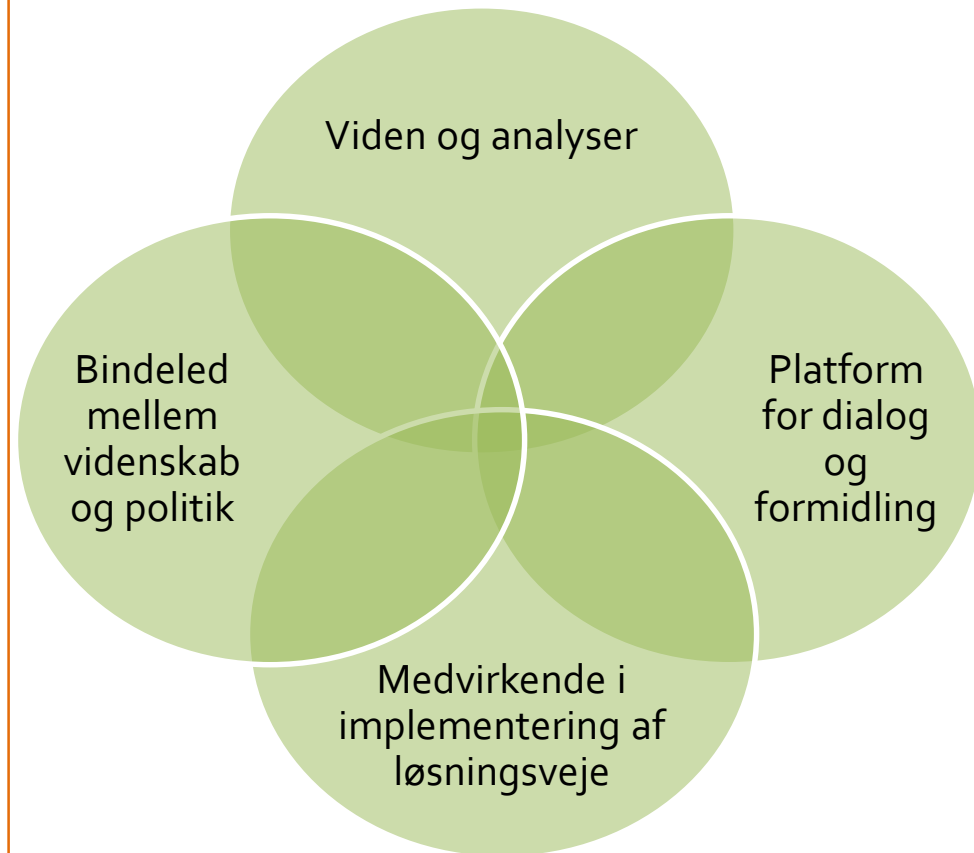
CONCITO – Danmarks Klimatænketank

Formål: At medvirke til et lavere udslip af drivhusgasser og begrænsning af skadevirkningerne af global opvarmning

Princippet er: Viden før holdninger

Klimaudfordringen må løses inden for rammerne af **Paris-aftale** og mål for **bæredygtig udvikling**

Klima- og bæredygtighedsmål kan kun nås gennem et **nyt partnerskab mellem politikere, erhvervsliv og borgere** – myndigheder, marked og civilsamfund.





Partnership on Sustainable Low Carbon Transport



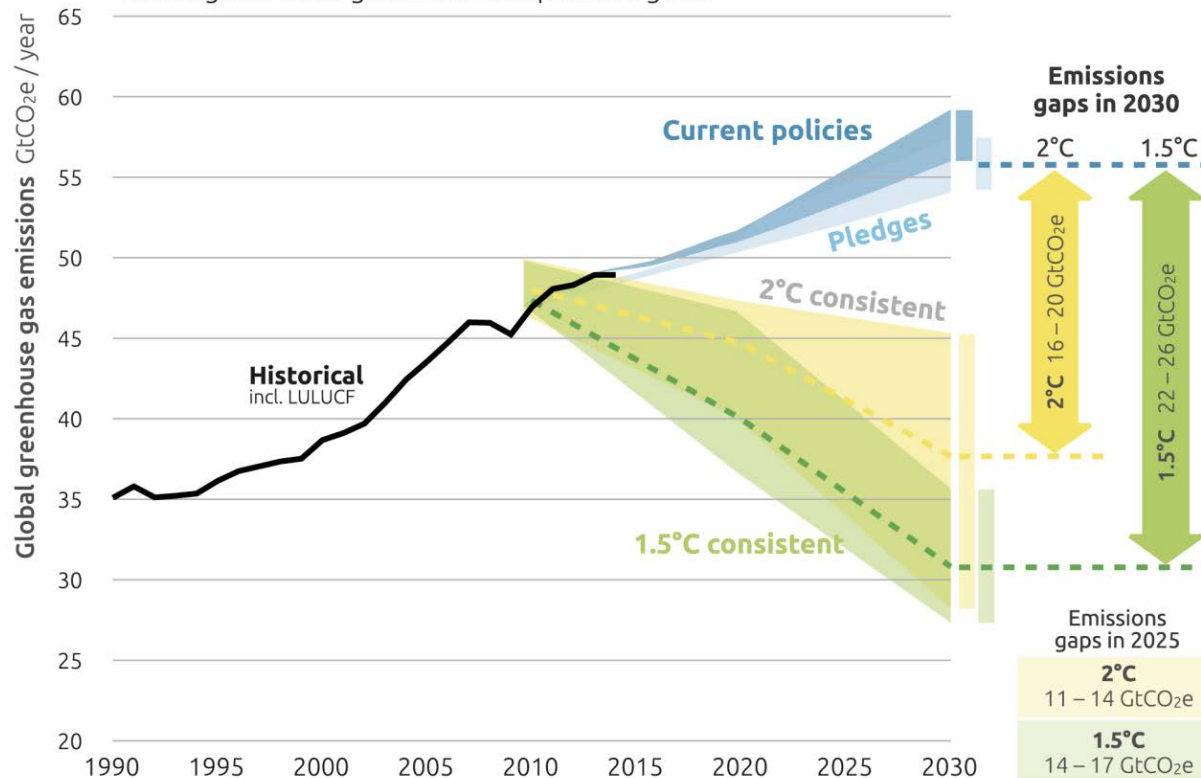
PARIS PROCESS
ON MOBILITY AND CLIMATE

Africa Transport Policy Program (SSATP)	Global Environmental Facility (GEF)	Sustainable Transport Africa (STA)
African Development Bank (AfDB)	Global Urban Development (GUD)	The Energy and Resources Institute (TERI)
Agence Francaise de Developpement (AFD)	Green Mobility Institute	Transport and Environment (T+E)
Alstom Transport	Grütter Consulting	Transport Planning and Research Institute (TPRI)
Asian Development Bank (ADB)	HealthBridge	Transport Research Laboratory (TRL)
Association in Peace with the Environment (Guatemala)	ICLEI-Local Governments for Sustainability	Uganda Road Sector Support Initiative (URSSI)
Brake	Institute for Global Environmental Strategies (IGES)	UNIFE (The European Rail Industry)
Bus Rapid Transit Centre of Excellence (BRT CoE)	Institute for Transport Policy Studies (ITPS)	United Nations Center for Regional Development (UNCRD)
C40 Cities Climate Leadership Group	Institute for Transport Studies (ITS), University of Leeds, UK	United Nations Department for Economic and Social Affairs (UN-DESA)
Center for Clean Air Policy (CCAP)	Institute for Transportation and Development Policy (ITDP)	United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)
Center for Science and Environment (CSE)	Institute of Transportation Studies, University of California, Davis (ITS)	United Nations Economic Commission for Europe (UNECE)
Center for Sustainable Transport (CTS) Mexico	Institute of Urban Transport India (IUTI)	United Nations Economic Commission for Latin America and the Caribbean (CEPAL)
Center for Transportation and Logistics Studies (PUSTRAL), Gadjah Mada University	Inter-American Development Bank (IDB)	United Nations Human Settlements Programme (UN-HABITAT)
Centre for Environment Planning & Technology (CEPT), Ahmedabad	International Association for Public Transport (UITP)	United Nations Industrial Development Organization (UNIDO)
China Urban Transport Research Centre (CUSTReC)	International Energy Agency (IEA)	University of Transport and Communication (UTCC) Hanoi
Civic Exchange (CE)	International Road Assessment Programme (iRAP)	University of Twente/ITC Department of Urban and Regional Planning (ITC)
Clean Air Asia	International Road Federation (IRF)	Victoria Transport Policy Institute
Clean Air Institute (CAI)	International Transport Forum (ITF)	Volvo Research and Education Foundations (VREF)
Climate Bonds Initiative (CBI)	International Union of Railways (UIC)	Walk 21
CODATU	Islamic Development Bank (IsDB)	World Bank
CONCITO	Korean Transport Institute (KOTI)	World Business Council for Sustainable Development (WBCSD)
Despacio	Nordic Development Fund (NDF)	World Cycling Alliance (WCA)
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	PIDF – Pacific Islands Development Forum	World Health Organization (WHO)
Dialogo Energetico	Polis - European Cities and Regions networking for innovative transport solutions	Wuppertal Institute for Climate, Environment and Energy
EMBARQ, The World Resources Institute (WRI) Ross	REN21- Renewable Energy Policy Network for the 21st Century	WWF International
Center for Sustainable Cities	Renewable Energy and Energy Efficiency Partnership (REEEP)	YOURS - Youth for Road Safety
European Bank for Reconstruction and Development (EBRD)	Research for Community Access Partnership (ReCAP)	
European Cyclists' Federation (ECF)	Ricardo Energy & Environment	
European Investment Bank (EIB)	Smarter Than Car	
Fia Foundation	Stockholm Environment Institute (SEI)	
First African Bicycle Information Organization (FABIO)		
Ford Foundation		

Klimaudfordringen

2030 EMISSIONS GAPS

CAT 2017 projections and resulting emissions gaps in meeting the Paris Agreement's temperature goals



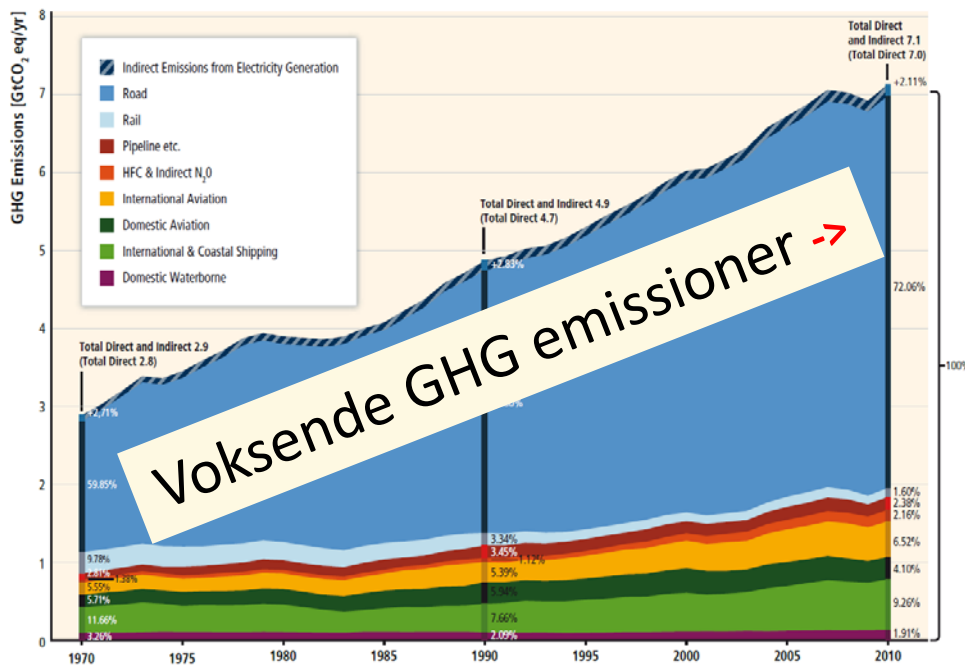
The "gap" range results only from uncertainties in the pledge projections. Gaps are calculated against the mean of the benchmark emissions for 1.5°C and 2°C.



Transportudfordringen

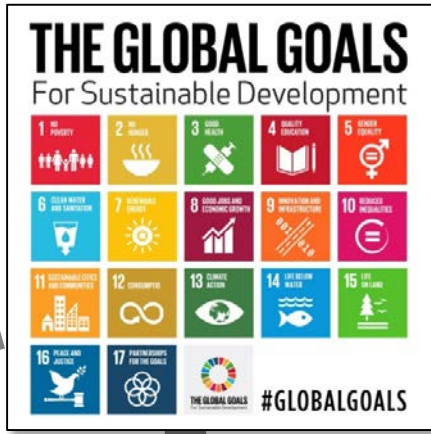
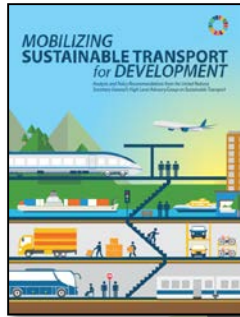


Klima

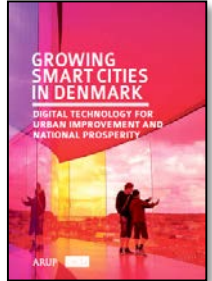


- Trængsel
- Forurening og støj
- Ulykker
- Manglende tilgængelighed
- Byspredning
- Fejlslagne investeringer

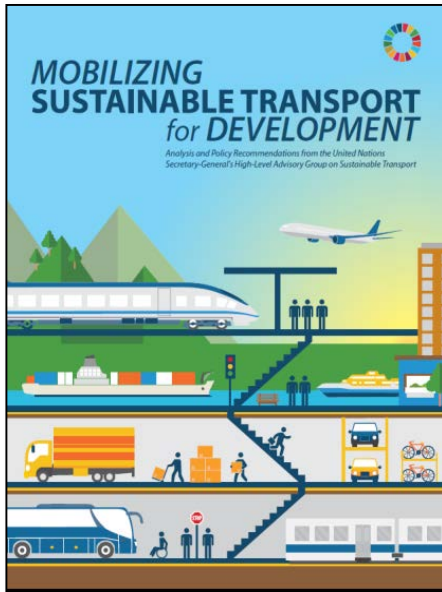




**Globale dagsordner
for bæredygtig
transport**



FN-Panel om bæredygtig transport



UN High-Level Advisory
Group on Sustainable
Transportation
October (2016)

- “Make transport planning, policy and investment decisions **based on the three sustainable development dimensions ...**”
- “Develop **sustainable urban mobility plans** that support intermodal and interconnected transport”
- “Establish **comprehensive monitoring and evaluation methodologies** for sustainable transport by national and local governments”

Parisaftalen og transport



- Reducere global **temperaturstigning** til godt under 2 grader, helst 1.5
- **Tilpasning** til klimaforandringer
- **Overføre midler** til udviklingslande
- Får effekt fra 2020; for sent?
- Hovedmekanisme er nationale klimaplaner **NDC**; skærpes hvert 5 år
- Voksende rolle for **ikke-statslige aktører**
- Transport ikke nævnt, men impliceret
- **Bonn**: 'Alliance for dekarbonisering af transporten'
- 21 globale 'Marrakech partnerskaber'



CONCITO

DANMARKS GRØNNE TÆNKETANK

Marrakech Partnership for Global Climate Action (MPGCA)

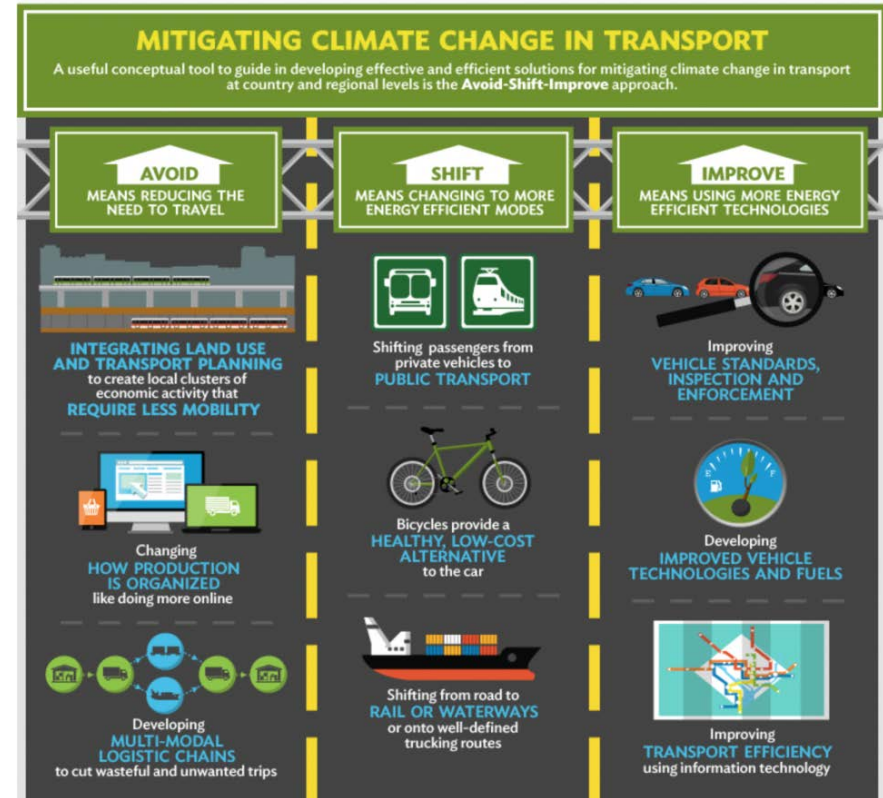
21 klimapartnerskaber indenfor alle grene af transport



	Initiative	National Governments	States, Provinces and Cities	Private Sector companies	Civil society
1	Airport Carbon Accreditation				
2	Aviation's Climate Action Takes Off				
3	below 50				
4	C40 Cities Clean Bus Declaration				
5	Cycling Delivers on the Global Goals				
6	EcoMobility Alliance				
7	EV100				
8	GFEI				
9	Global Green Freight Action Plan				
10	Global Sidewalk Challenge				
11	Global Strategy for Cleaner Fuels and Vehicles				
12	ITS for the Climate				
13	LC2RTI				
14	MobiliseYourCity				
15	Navigating A Changing Climate				
19	Taxis4SmartCities				
20	TUMI				
18	UEMI				
16	UIC Low-Carbon Sustainable Rail Transport Challenge				
17	UITP Declaration on Climate Leadership				
21	ZEV Alliance				

Tre strategier : Avoid-Shift-Improve...

- **Avoid** the need to travel and drive by private car
- **Shift** transport from private car to bike, walk and public (and shared)
- **Improve** :Cleaner cars and fuels and more efficient systems



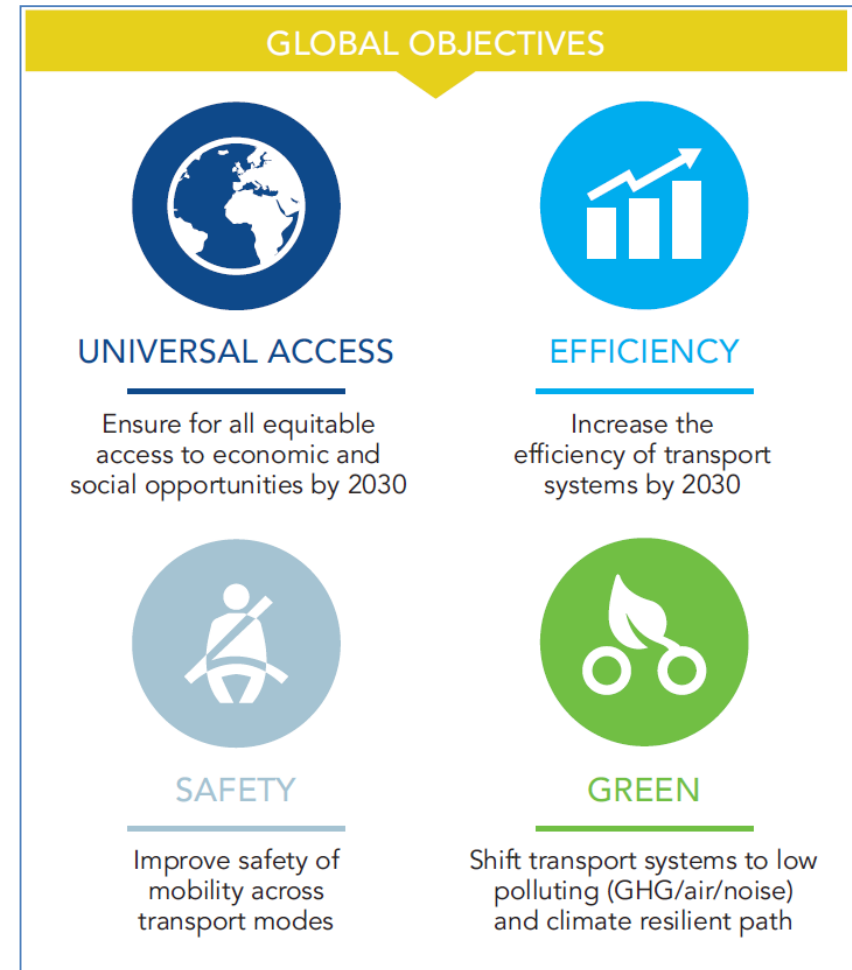
SDG'er med relevans for urban transport



3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents
7.3 By 2030, double the global rate of improvement in energy efficiency
9.1 Develop quality, reliable, sustainable and resilient infrastructure , including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all , improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations
Target 11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces , in particular for women and children, older persons and persons with disabilities
11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management
13.2 Integrate climate change measures into national policies, strategies and planning

SuM4All – et klarere målbillede på vej?

- Et 'aktørinitiativ'
- Over 30 deltagere
 - Udviklingsbanker
 - Bistandsorganer
 - Erhvervssammen-
slutninger
 - NGO'er



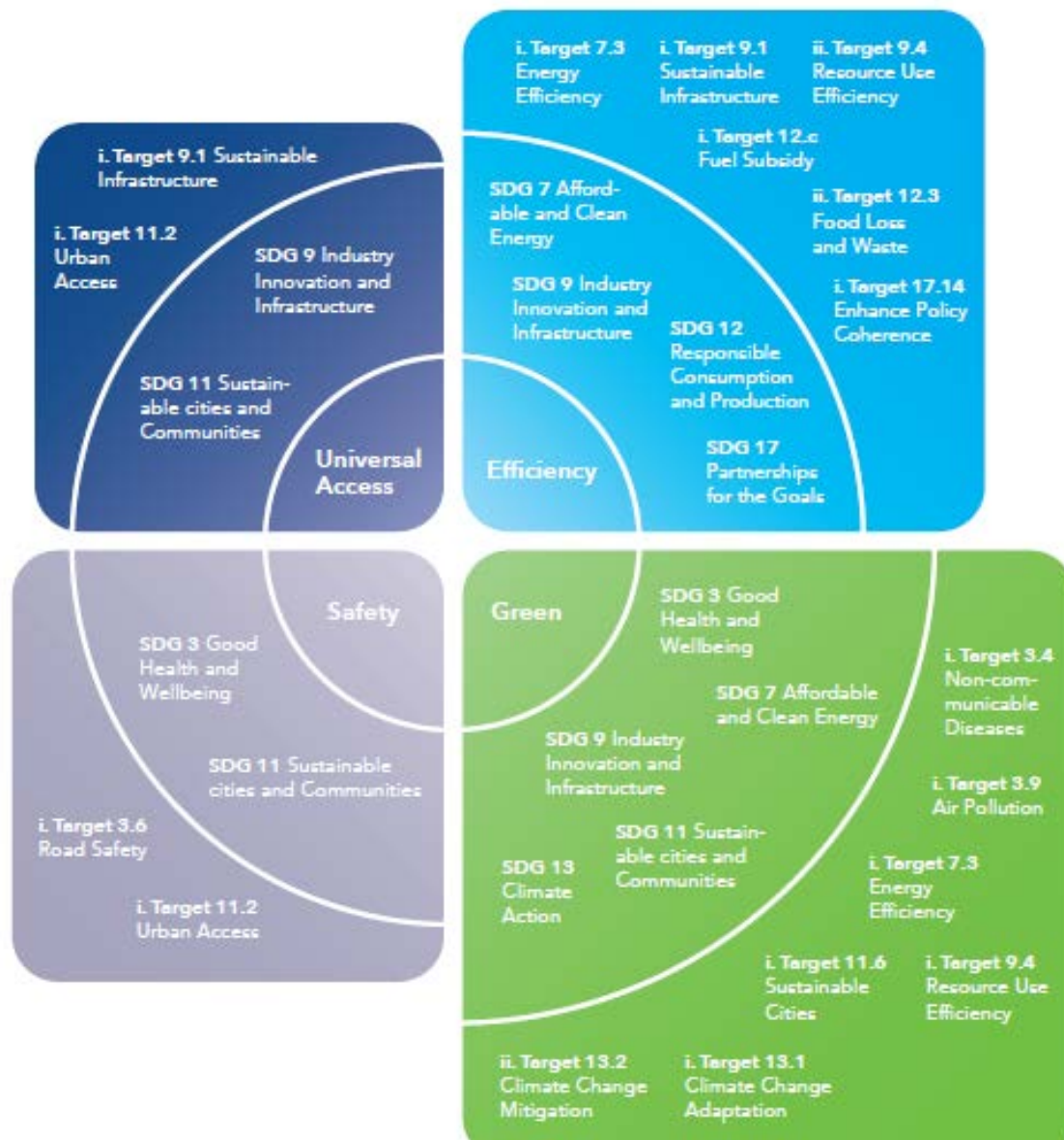
Opsummering

- Klima og bæredygtig udvikling sætter **nye rammer og mål** for samfunds – og transportudviklingen
- **'Ikke-statlige aktører'** vil spille en stigende rolle
- Transportsektoren skal gennem en **transformation**;
'Dekarbonisering' gennem en bred vifte af strategier,
 - Reducere transportbehov
 - Overflytte transport fra biler
 - Renere køretøjer og brændstoffer og mere effektive systemer
- **Partnerskaber** bliver mere udbredte, da ingen kan løfte opgaven alene
- **Mål- og indikatorsystemer** under udvikling i mødet mellem top-down og bottom-up, endnu ikke på plads



Extra

SuM4all



- Kobling til SDG'er og NDC'er
- Mange indikatorer, men få kan måles pt.
- Processen er vigtig...



CONCITO

DANMARKS GRØNNE TÆNKETANK

Et basalt indicatorsæt for bytransport?

Indicators	Dimensions	SGD Targets
Extent to which transport plans cover facilities for active modes public transport (and sharing)	SYSTEM (SOC/ECON/ENV)	(11.2)
Modal share of active and public (and shared) transport in commuting	SYSTEM (SOC/ECON/ENV)	(11.2)
Convenient access to public (or shared) transport service	SOC.	11.2
User satisfaction with public (and shared) transport service	SOC.	11.2
Traffic fatalities per 100.000 inhabitants	SOC.	3.6
Affordability – travel costs as part of income	ECON/ SOC	(11.2)
Operational costs of the public transport system	ECON.	(9.1)
Investment in public, active and shared transportation systems	ECON	(11.2, 9.1)
Air quality (pm2.5)	ENV	11.6
Greenhouse gas emissions from transport per capita	ENV	7/13.

Adapted from index currently being tested for pilot cities in Asia



CONCITO

DANMARKS GRØNNE TÆNKETANK