The case of Portugal
A Transport Decarbonization Agenda

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José F. G. Mendes
Vice Minister & Secretary of State for Environment

Encontro Internacional sobre Descarbonização do Transporte, Brasília, 06.dec.2017
cities: the mankind's greatest invention
externalities: from local to global

credit: Reuters (South China Morning Post)
new challenging frontier for the planet
“I urge world leaders to build ambition and accelerate climate action – before it’s too late”

António Guterres tweet, UN Secretary-General
transport: GHG emissions

credit: SLoCaT (2016), Implications of 2DS and 1.5DS for Land Transport Carbon Emissions in 2050
the need for a global macro-roadmap
Portugal: GHG emissions

<table>
<thead>
<tr>
<th>Year</th>
<th>Total emissions (without LULUCF)</th>
<th>Total emissions (with LULUCF)</th>
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<td>2015</td>
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</table>

Global emissions target for 2030: -30% to -40% vs 2005 (52,7 to 61,5 Mt CO2e)
Carbon neutral by 2050

Portugal: GHG emissions
Portugal: transport sector emissions

24% of global GHG emissions

Transport emissions target for 2030: -26% vs 2005 (14.5 Mt CO2e)
2020 NDC will be more ambitious
Mitigation potential (reduction % from Transport BAU @ 2050)

- **AVOID**
- **SHIFT**
- **IMPROVE**

long-term roadmap vs quick wins
AVOID (reduce) the need to travel

UDST
Urban Development Strategic Plans for main cities

52 plans
784 M€
2017-2020

Merit evaluation based on emissions reduction
SHIFT to more sustainable modes

Metro network extension in Lisbon

7,9 M psg, 37,9 M psg.km
300 M€
-2.842 t CO2e/year
2018-2021
SHIFT to more sustainable modes

Metro network extension in Porto

12.2 M psg, 62.2 M psg.km
320 M€
-4.665 t CO2e/year
2018-2021
SHIFT to more sustainable modes

Car sharing & bike sharing

New regulation
Fiscal incentive (VAT deduction)
750 shared cars
10,000 shared bikes
2017-2019
IMPROVE energy and vehicle efficiency

Clean Bus Initiative

- 516 new buses: Electric - 78, CNG - 438
- 16 charging/fueling areas
- 156 M€
- -4.848 t CO2e/year
- 2018-2019
Mobi.E
Portuguese Electric Mobility
1,600 public charging points
Funding for EV acquisition
Fiscal exemptions
20 Charging Area Operators
6 EM Electricity suppliers
-5,000 t CO2e/year

IMPROVE energy and vehicle efficiency
TRANSPORT DECARBONISATION ALLIANCE

countries, cities-regions and companies

Forum where frontrunners on transport and climate change meet and exchange best practices as well as common challenges in order to secure the transition to an overall net-zero emission economy.

Link to the UNFCCC time-line:

. Facilitative Dialogue during 2018-2019;
. Second generation Nationally Determined Contributions (NDCs) by 2020

Membership:

. France, Holland, Portugal, Costa Rica
. Gradual development: 30-50 countries/cities/companies by COP24

TDA Planning Meeting, 2018, Feb 27-28, Lisbon, Portugal
(development 2018 Work Program)
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