



# Luxembourg 2020

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OECD



# Selected KEY RECOMMENDATIONS

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Adopt a  
greener,  
low-carbon  
and circular  
economic  
model

- Scale up efforts to achieve future climate and **air emission targets**
- Accelerate the implementation of measures to improve **water quality**
- Consolidate measures for **a circular economy**, using synergies with innovation and green public procurement
- Review the environmental effectiveness of **economic instruments** that apply to transport and to biodiversity



# Selected KEY RECOMMENDATIONS

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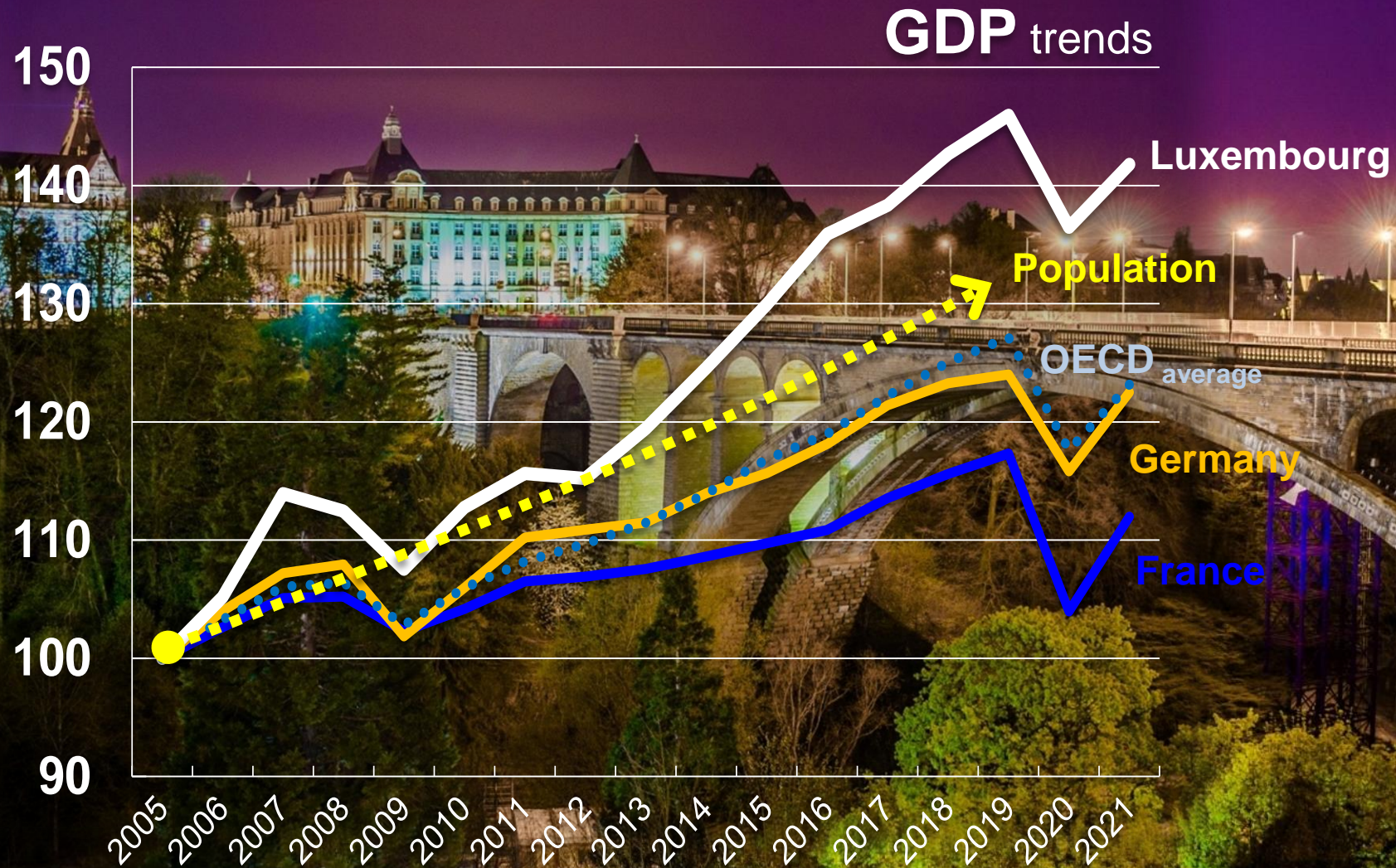


Adopt a  
greener,  
low-carbon  
and circular  
economic  
model

- Extend the focus of **green finance** products beyond climate and monitor their environmental impact
- Accelerate the implementation of **biodiversity conservation policies** and fully integrate biodiversity into sectoral policies
- Promote increased institutional coordination on **spatial planning** to advance sustainable mobility policies



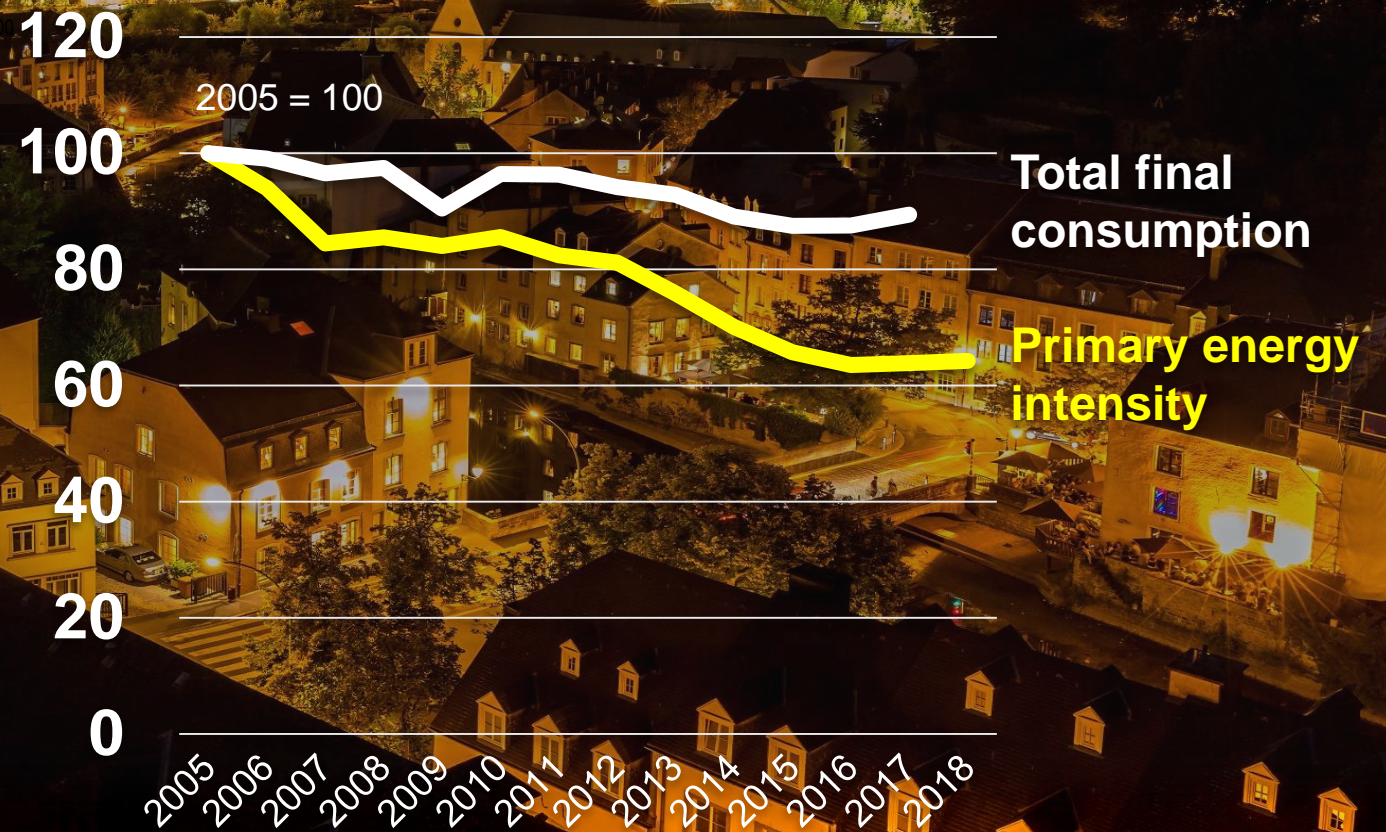
**LUXEMBOURG**  
is growing with a strong  
international interdependence





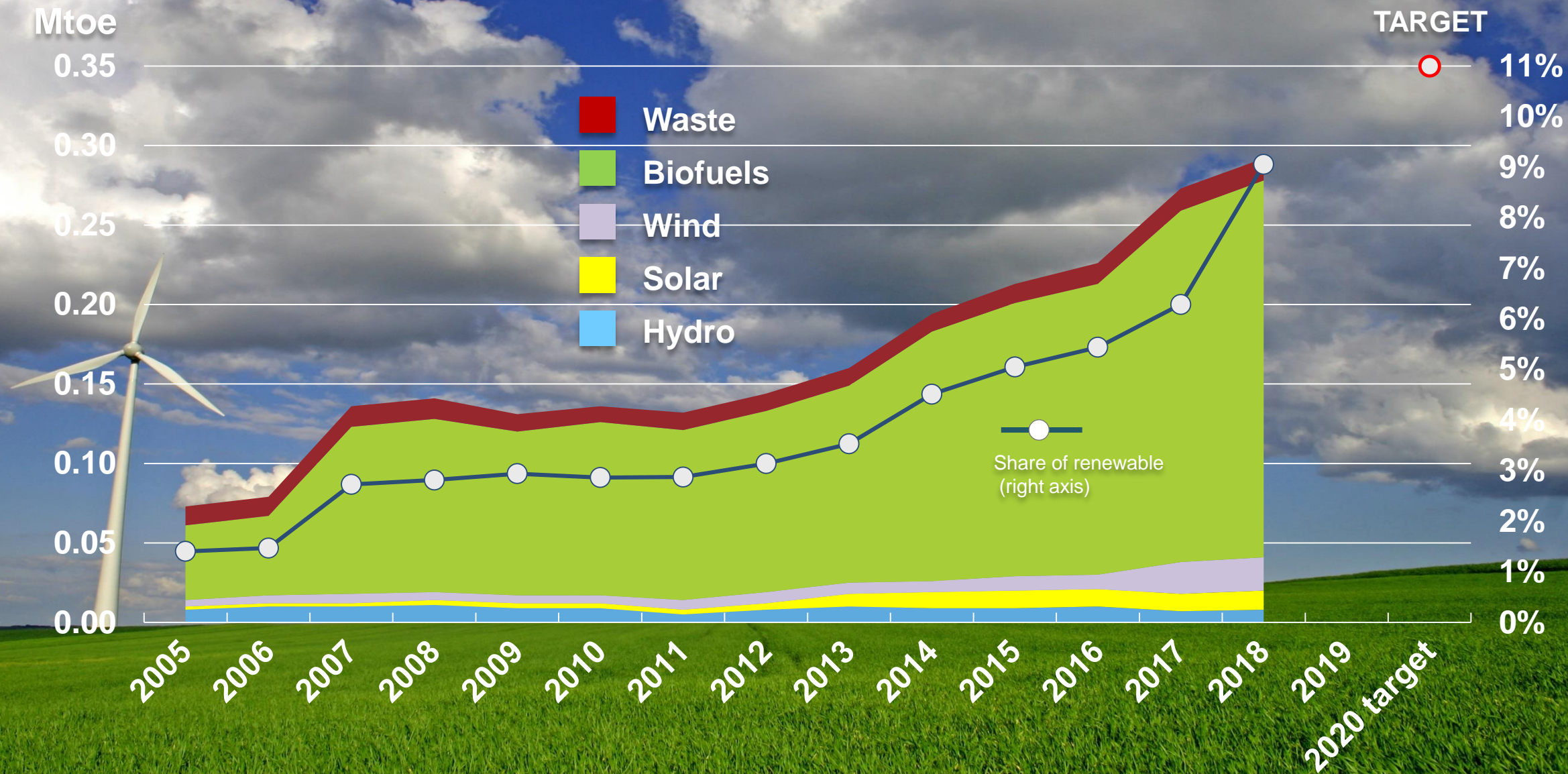
# ENERGY INTENSITY AND CONSUMPTION TRENDS 2005-2018

Luxembourg has improved its  
energy efficiency  
**energy consumption**  
**has fallen by**  
**11%**  
since 2005 and  
**energy intensity**  
**decreased by**  
**36%**

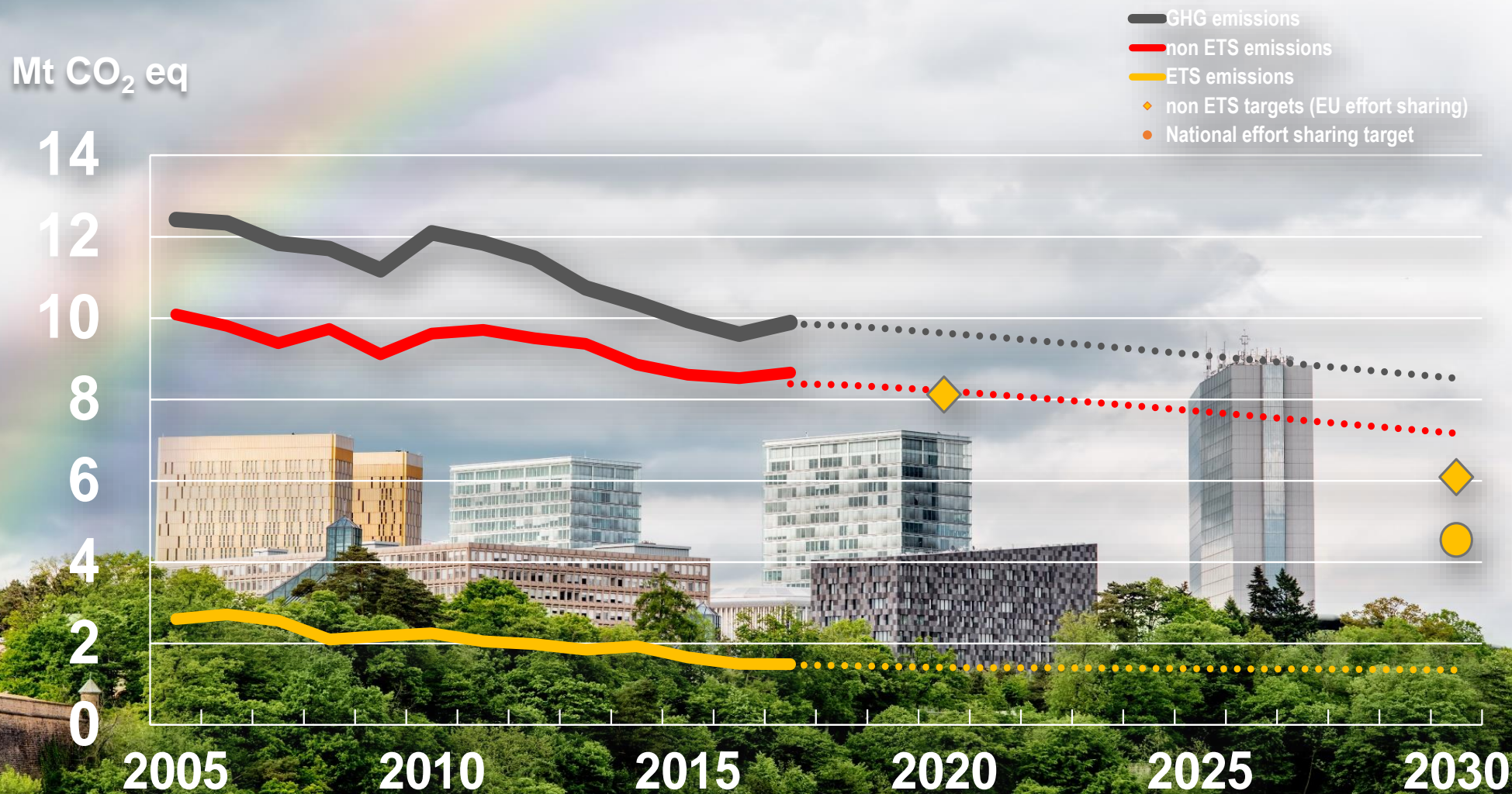




# RENEWABLE TRENDS

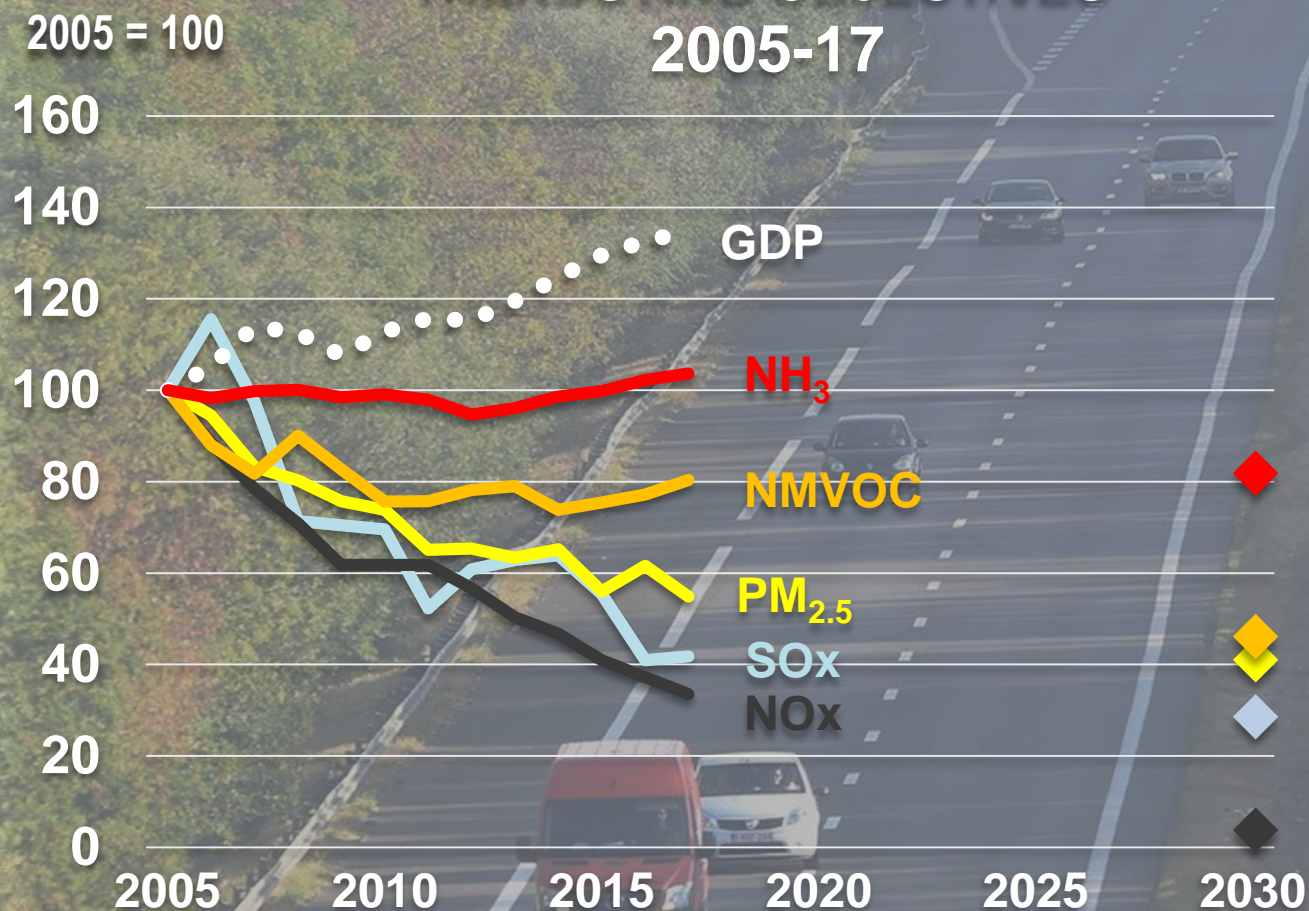








## TRENDS AND OBJECTIVES 2005-17



Most air emissions have been decoupled from GDP,  
**more is needed to meet the 2030 reduction targets**



# MATERIAL CONSUMPTION IS HIGH

Luxembourg vs OECD avg

9%

18%

22%

27%

2017

36%

51%

Metals

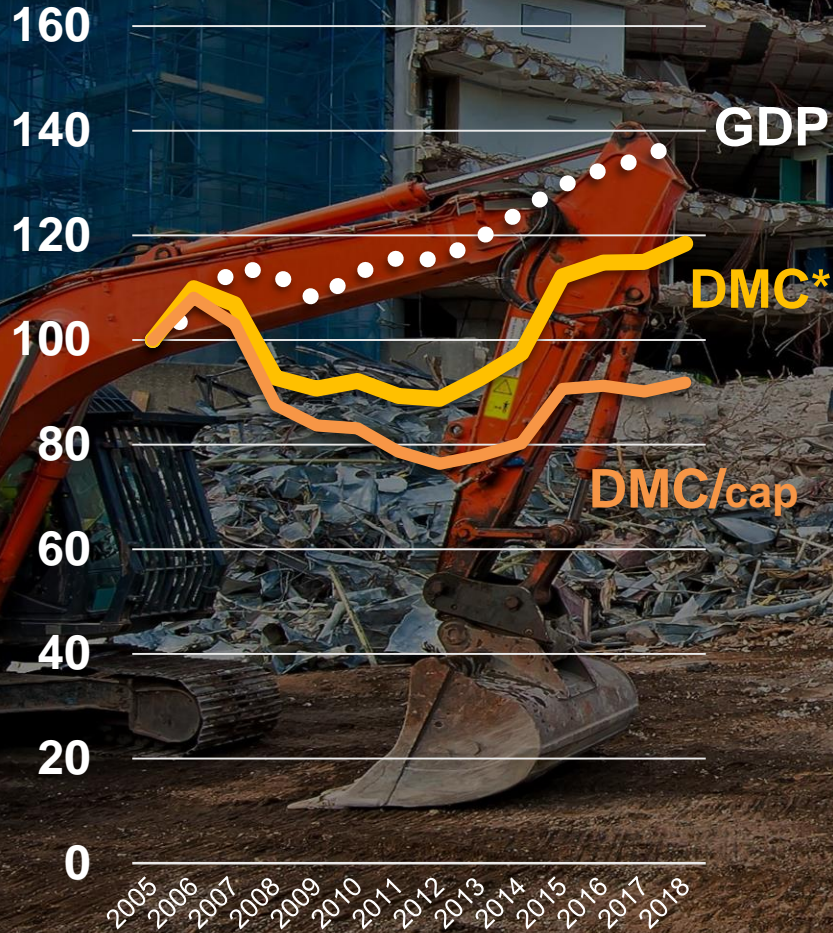
Biomass

Fossil  
Fuels

Non-metallic  
Minerals

3800 vs 2600

USD/tonne



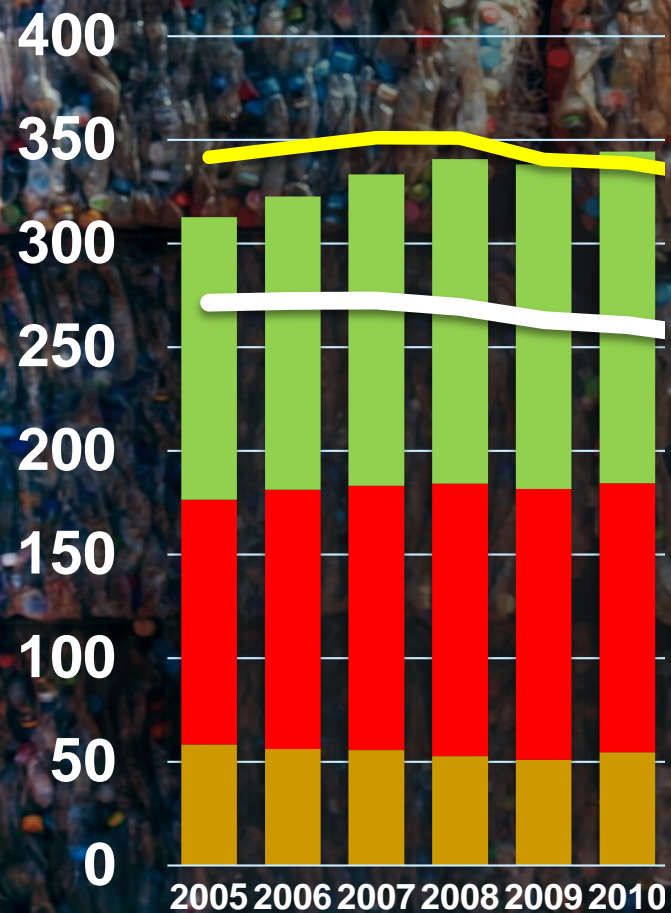
\*DMC Domestic Material Consumption



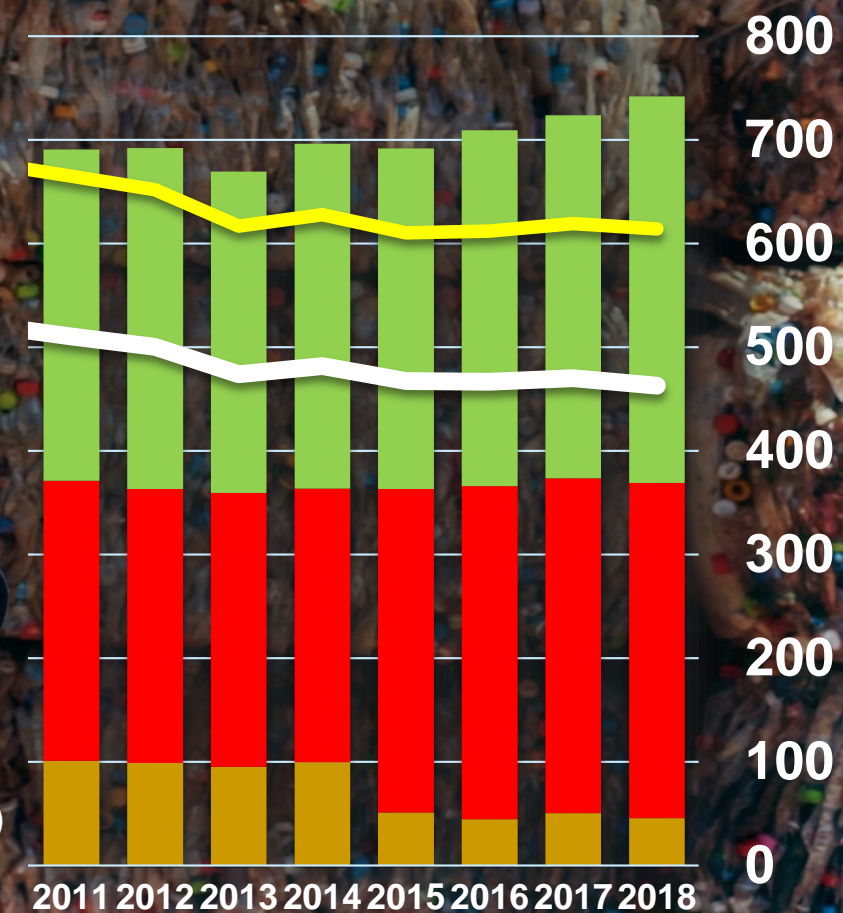
# CIRCULAR ECONOMY

## Municipal waste treatment 2005-2018

thousands  
of tons



Kg/cap

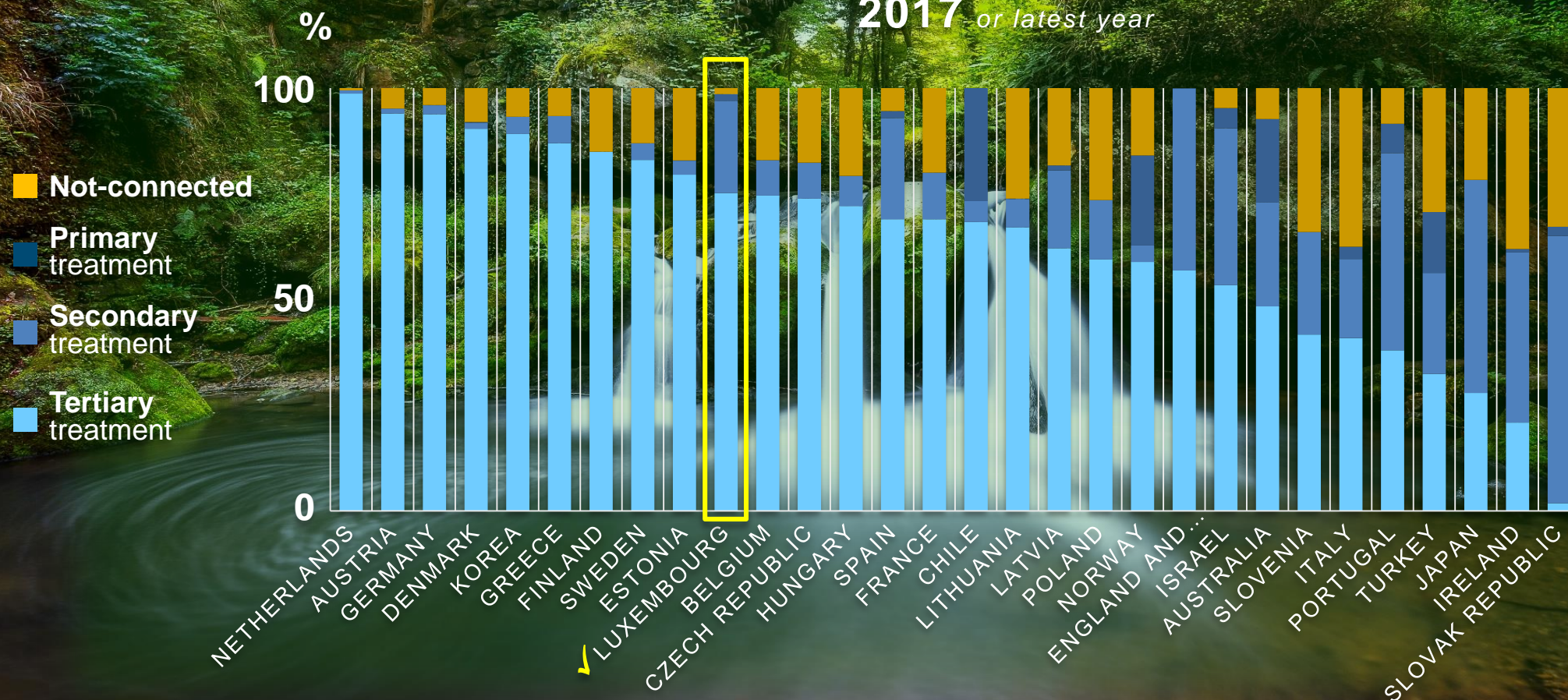




Good progress with wastewater treatment  
Insufficient progress in water quality

## SEWAGE TREATMENT CONNECTION RATES

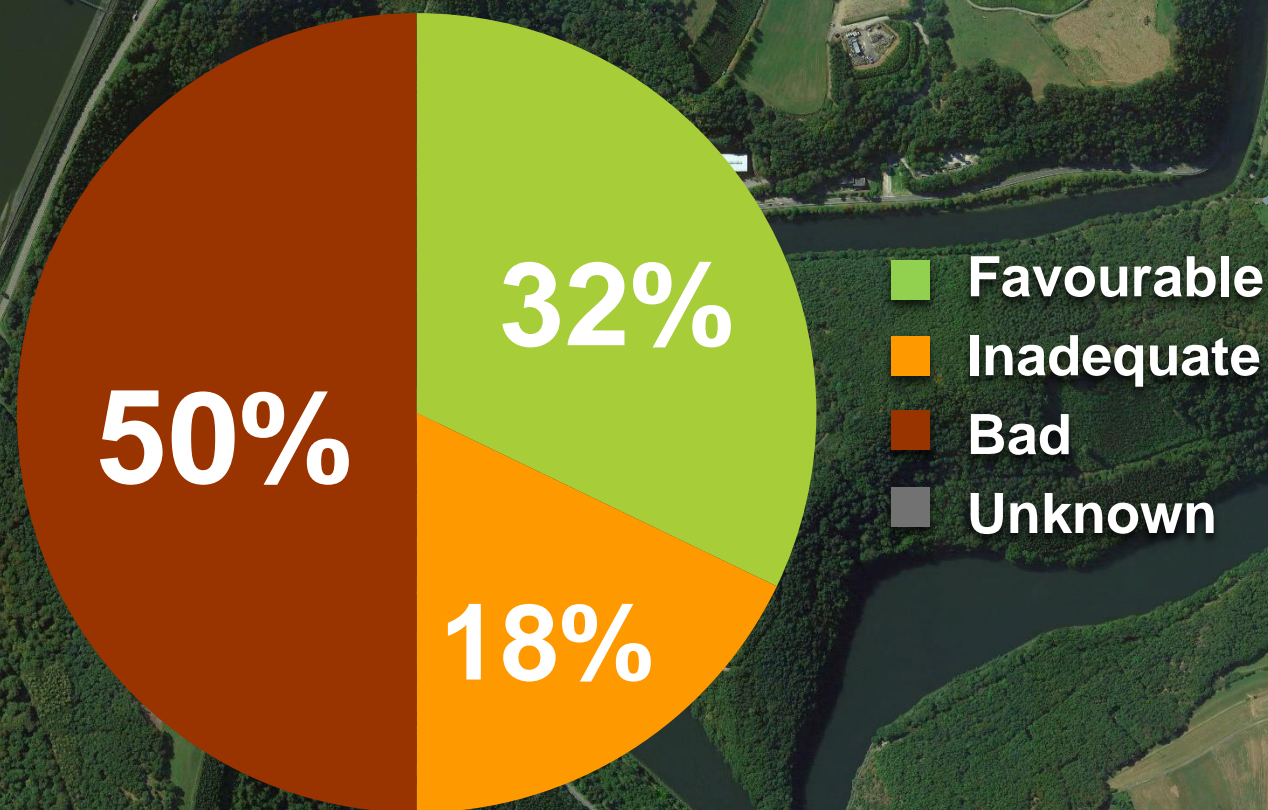
2017 or latest year





# THE CONSERVATION STATUS OF HABITATS AND SPECIES IS FAR FROM FAVOURABLE

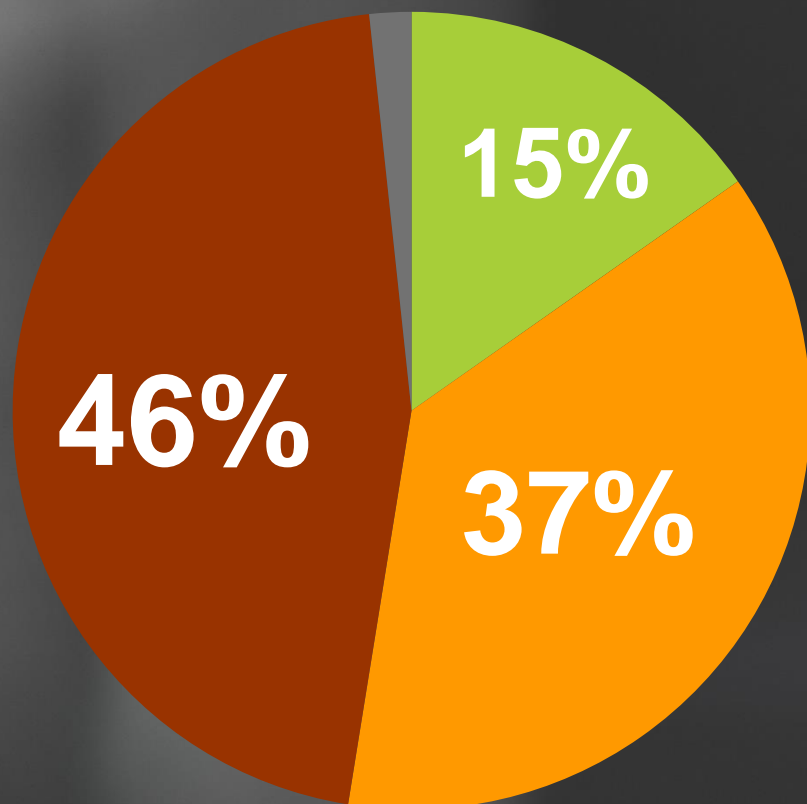
Habitats









# SPECIES

conservation status



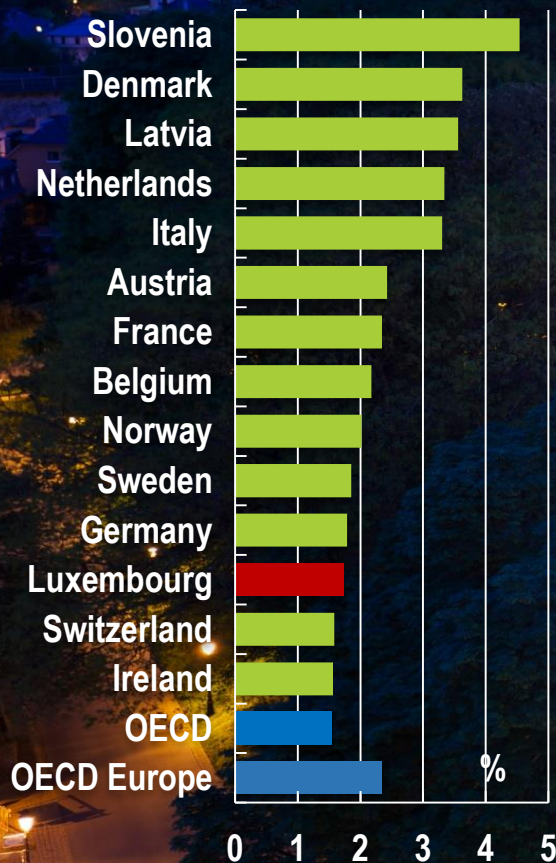
-  Favourable
-  Inadequate
-  Bad
-  Unknown





## Revenue from environmental taxes is low

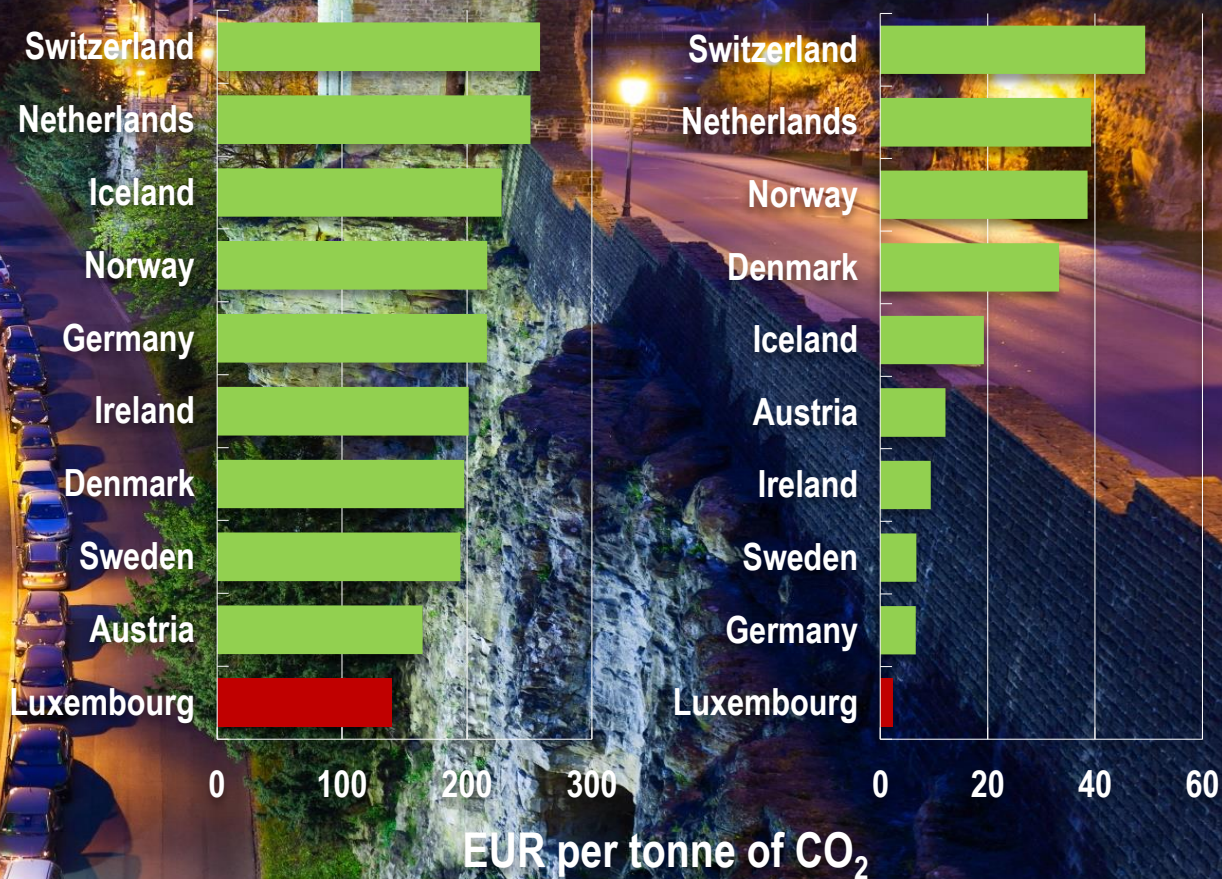
Share in % of GDP



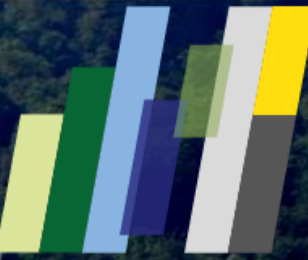
## Effective tax rates on CO<sub>2</sub> emissions are low

Road emissions

Non-road emissions







# Merci Thank you

