

Prospects for the LCP sector under IED



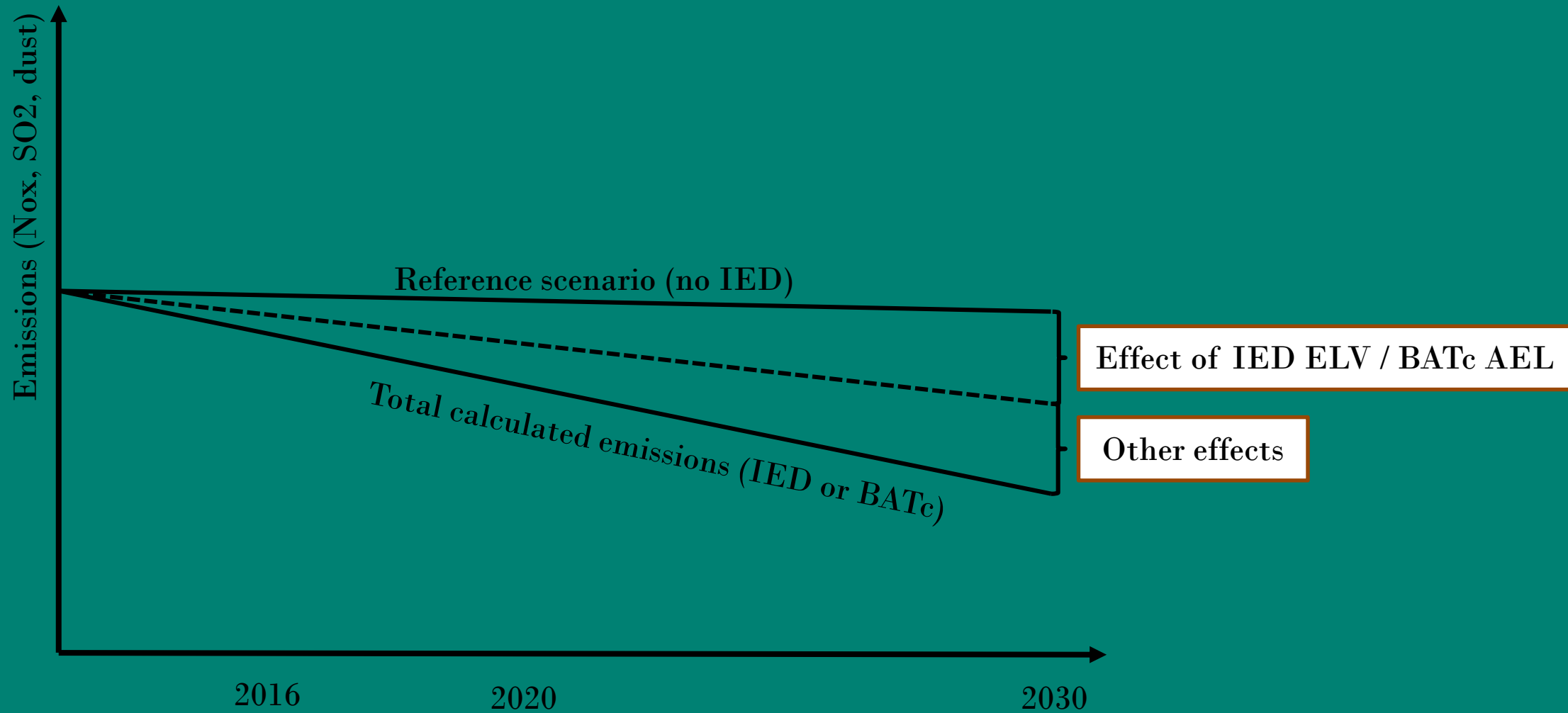
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Goal of the study

Assess the potential benefit of the IED on emissions from LCPs

- Pollutants: NO_x, SO₂ and dust
- LCPs covered by IED as of 2016
- LCP BATc adopted in July 2017 (in force by 2021)
- Complements ex-post LCPD evaluation

Scenarios

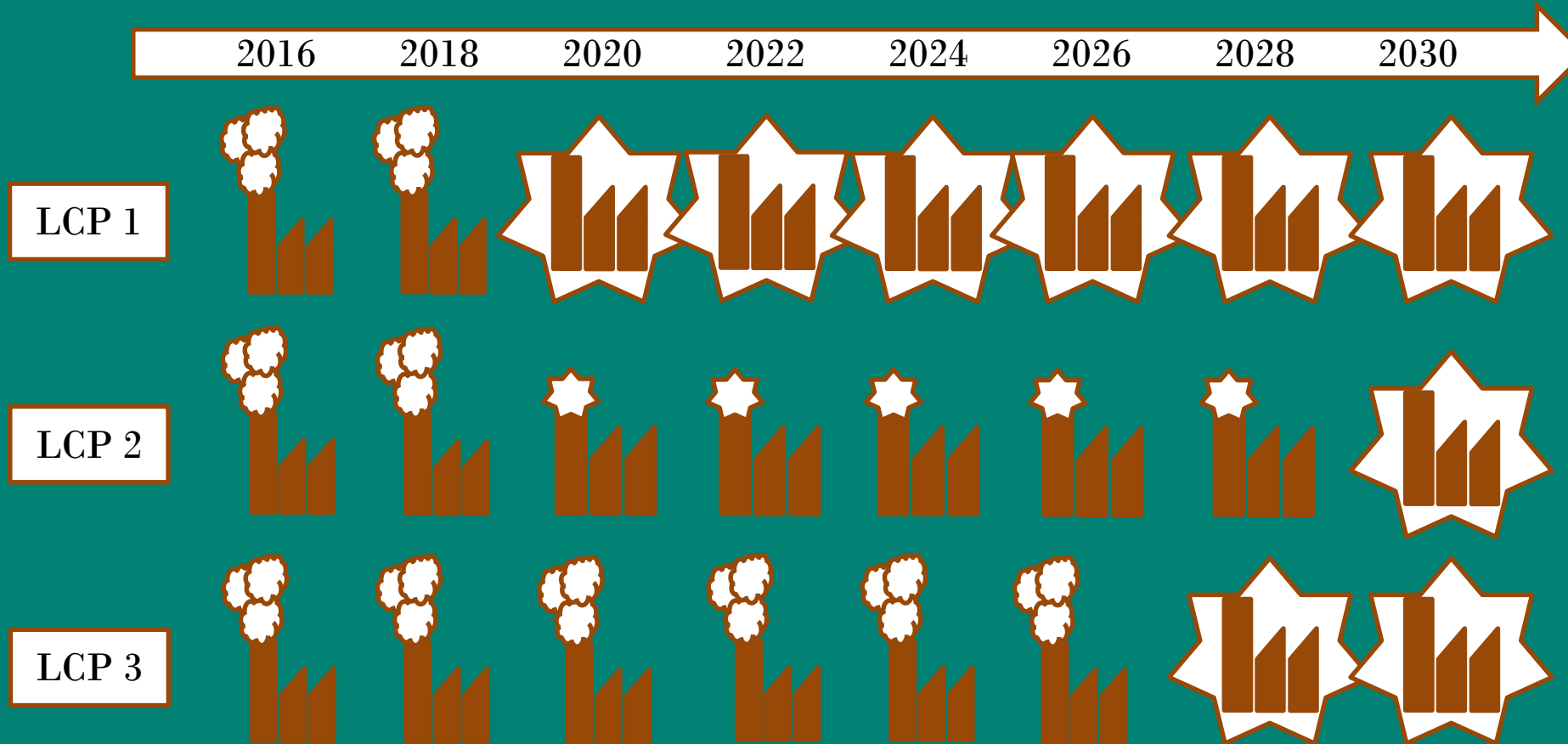


Data sources

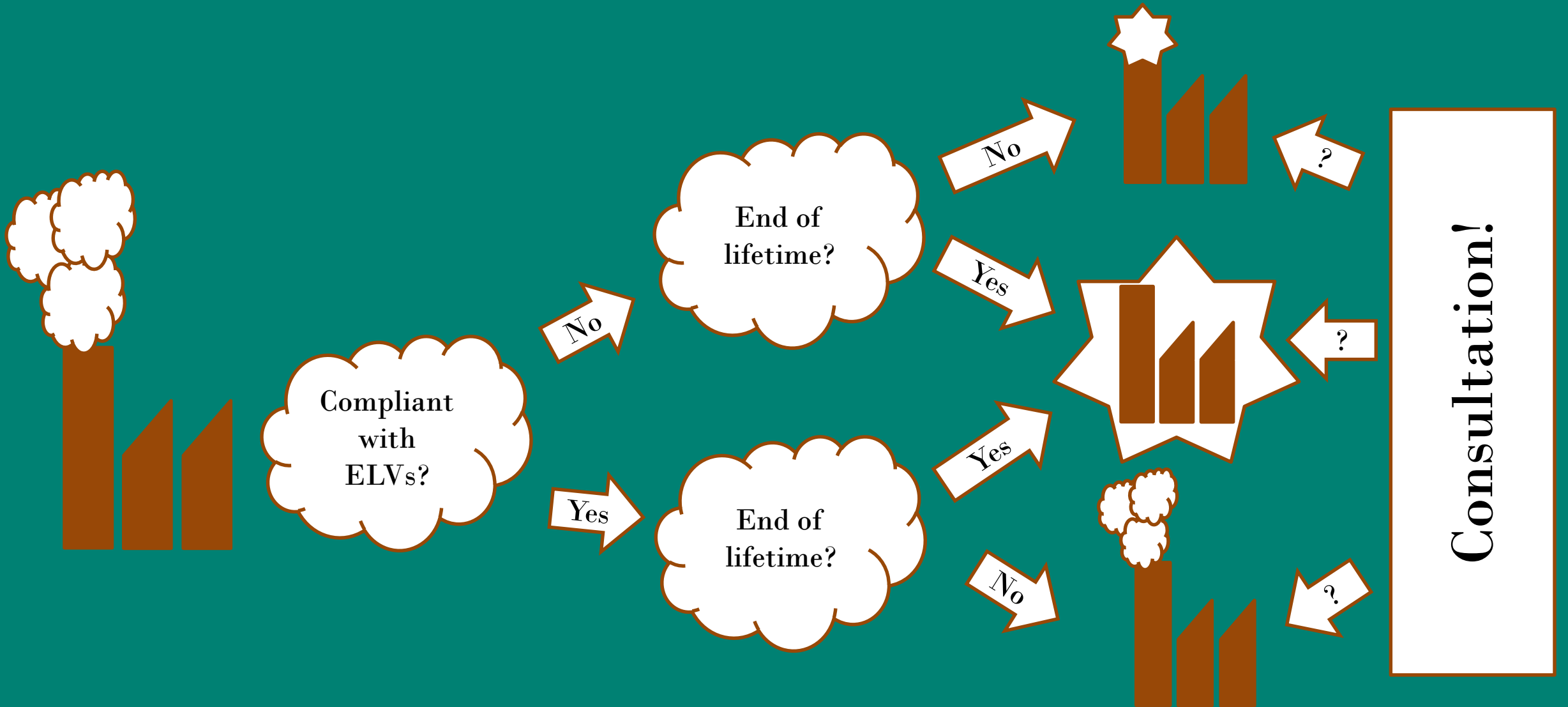
- LCP inventory (2016 data)
- IED and LCP BATc stipulations
- Models:
 - Reference Scenario 2016: Energy, Transport and GHG Emissions Trends to 2050
 - JRC EU TIMES model Assessing the long-term role of the SET Plan Energy technologies
- EEA Report No 22/2016: "Transforming the EU power sector: avoiding a carbon lock-in"

Member State consultation!

General approach



Example decision-tree



What does a "new LCP" assume?

- Conduit for the energy reference scenario
- Technology based on original LCP
- 2016 EU reference scenario:
 - Trend estimates of electricity generation
 - Average fuel type choice

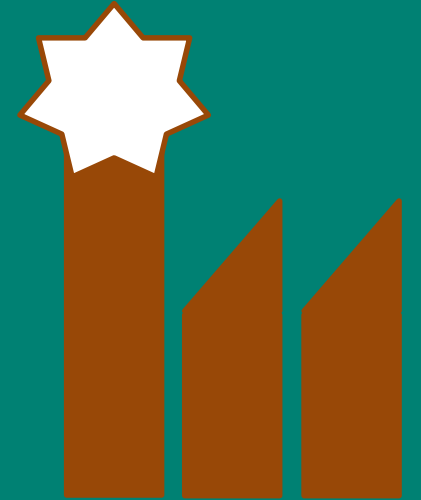
Fuel type	2011-2020	2020-2030
Solids	52.1%	23.4%
Oil (including refinery gas)	8.7%	10.9%
Gas (including derived gases)	30.3%	64.1%
Biomass-waste	8.7%	1.6%

- JRC EU TIMES: Better fuel efficiency from 2021



What does a "retrofit" assume?

- Compliance with IED or BATc
- Fuel type constant
- Energy efficiency constant



Member State Input

- Help us to improve this and future outlooks!
- Confidential request
- Similar to request under Carbon Lock-in study
 - Details on retrofits and closures
 - Details on planned new LCPs
- Documents will be shared with you shortly



**European
Environment
Agency**

Bastian Zeiger

Project manager - Industrial pollution

bastian.zeiger@eea.europa.eu

Phone: +45 3336 7233

Skype: Bastian_EEA

