

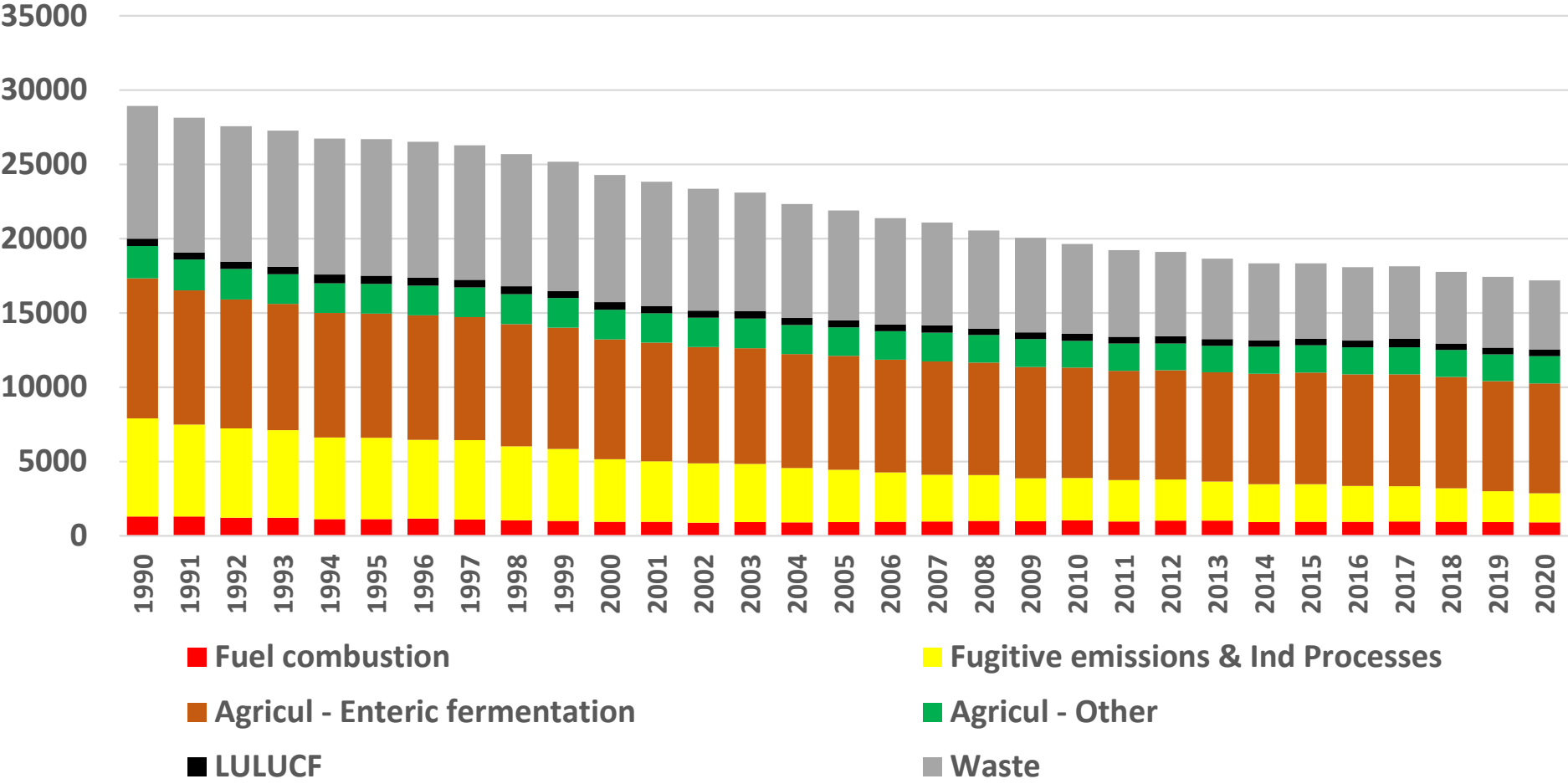
Status of CH₄ reporting

Under the UNFCCC, and other international legislation



TFEIP co-chair: Chris Dore

EU (& UK) CH4 Emissions



What is readily available from the UNFCCC?



United Nations
Climate Change

UNFCCC Annex I countries

- Annual CH₄ emissions reported in detail, with a long timeseries
- “CRF” source structure very similar to “NFR”
 - Detailed activity data 😊
 - Agriculture and fugitive sources map to NFR 😊
- But some important differences
 - Land use change & forestry (sinks) in CRF 😐
 - Geographies can differ 😐
 - Different components for aviation & shipping 😐

What is readily available from the UNFCCC?



United Nations
Climate Change

Which are the Annex I countries in the CLRTAP?

- EU Member States (also E-PRTR, IED...)
- EFTA 4
- Canada and the USA
- Belarus, Russian Federation, Türkiye, the UK, Ukraine

So the Western part of the Convention's geographic coverage has good data availability.

What is readily available from the UNFCCC?



United Nations
Climate Change

UNFCCC non-Annex I countries

- A GHG emissions inventory every 4 years “to the extent its capacities permit” (National Communication)
- GHG inventory updated every 2 years (Biennial Update Report).
- Emission estimates are several years old 😊
- No / limited timeseries 😊
- Source detail varies from country to country 😞😞

What is readily available from the UNFCCC?



United Nations
Climate Change

Emission projections and mitigation strategies

- Some countries report projection and control strategies in detail... other not so much! 😞
- Many plans target CO₂, and some do not clearly show impacts on CH₄. 😞

It would be possible (but time consuming) to compile data on national plans for use in scenario work.

No CH₄ emission maps.

The availability of CH₄ data: Key considerations



- 1. If the modelers do not need detailed source resolution... then CH₄ emissions data are readily available.**
- 2. There are limited years and detail from non-Annex I countries.**
- 3. Projections and national plans – somewhat time consuming to compile for all CLRTAP Parties.**