

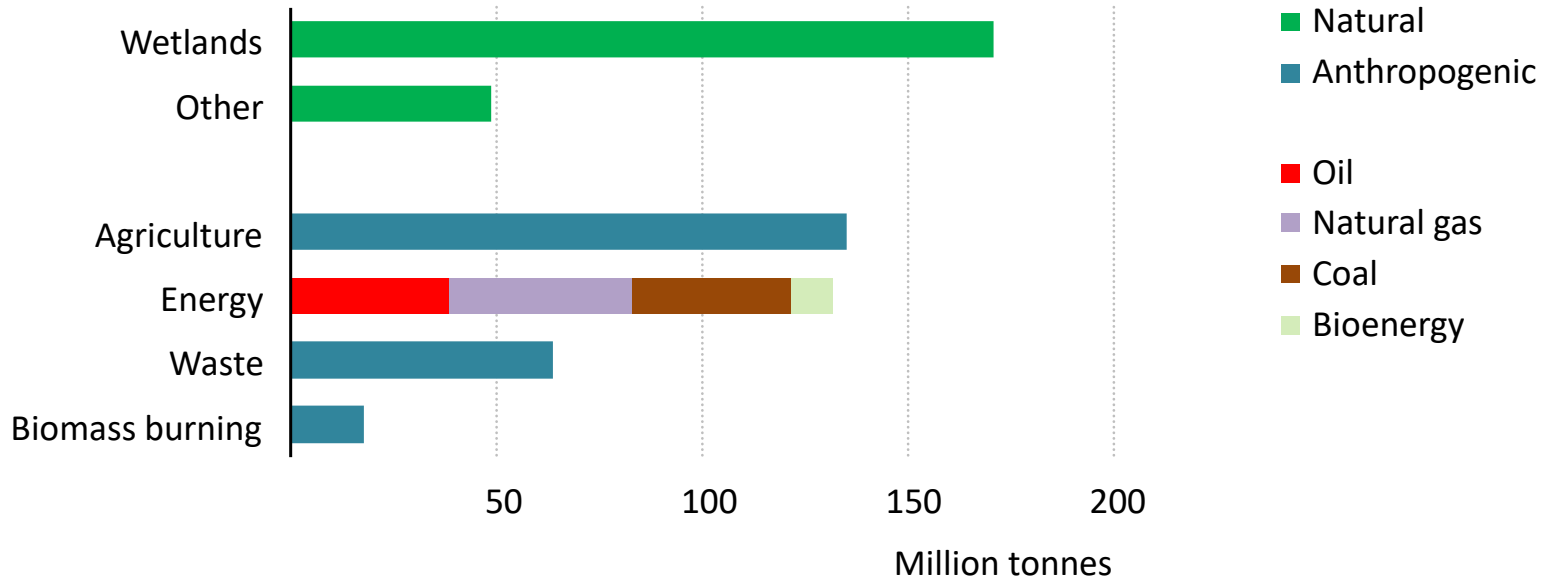


# Reducing methane emissions from oil and gas

Christophe McGlade, Senior energy analyst. 26 May 2020

# Methane emissions are the second largest cause of global warming

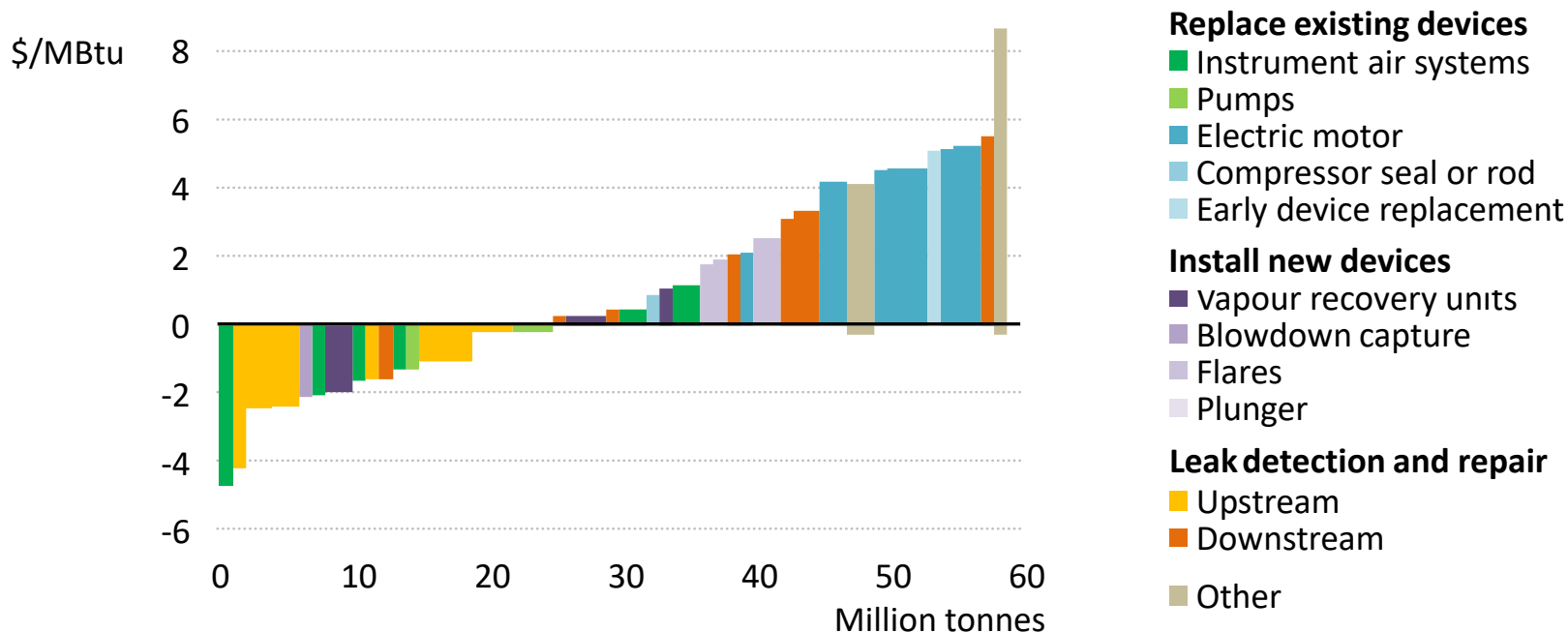
Sources of methane emissions globally today



Agriculture and the energy sector are the two largest sources of anthropogenic methane emissions. Oil and gas operations caused around 82 Mt of emissions in 2019

# Updated emissions estimates from the IEA Methane Tracker

Abatement costs for oil and gas methane emissions globally, 2019

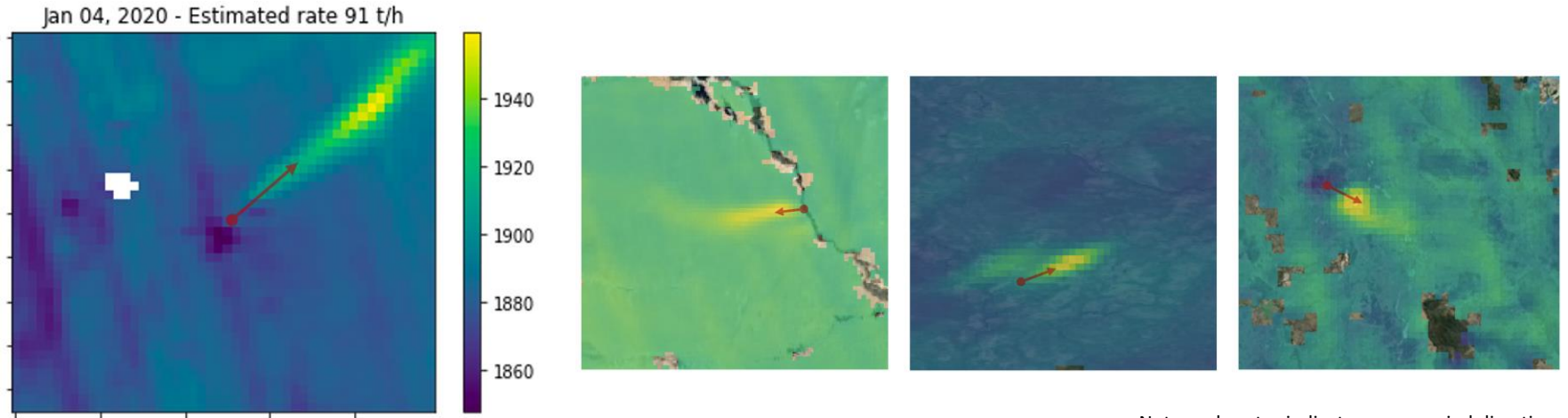


The tracker collects information on emissions sources, abatement potentials and approaches to abatement.

<https://www.iea.org/reports/methane-tracker-2020/interactive-country-and-regional-estimates>

# Transparency on methane leaks is coming

Examples of observed plumes of methane in the world



Note: red vector indicates source wind direction.  
Source: Kayrros analysis, contains modified Copernicus data.

The ability to spot methane leaks from the air – planes and satellites – is getting more and more sophisticated (although still difficult over water, wet ice, tropical forest): what to do with these alerts?

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