



## CO<sub>2</sub> emission monitoring system

FEDIOL conference  
Innovation driving sustainability  
and decarbonisation  
in oilseeds' processing  
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## FEDIOL monitoring on CO<sub>2</sub> emissions

- Why: To facilitate reaching the goal of net-zero CO<sub>2</sub> emissions of the Code of conduct on responsible food business that our sector signed.
- Scope:
  - As of year 2019 onwards.
  - ETS and non-ETS installations.
  - CO<sub>2</sub> emissions by the installation (scope 1)
  - CO<sub>2</sub> emissions from used electricity or steam produced by third party (scope 2).
  - Correction for emissions caused by activities outside of core FEDIOL activity (oilseed processing, vegetable oil refining and vegetable oil modification).
  - ADM, Avril, Bunge, Cargill, Fuji Oil, Sime Darby Oils, Thywissen joining.
  - The individual sites reporting their emissions to FEDIOL secretariat.
  - FEDIOL secretariat reporting only aggregated emissions.



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## Preliminary results monitoring on CO<sub>2</sub> emissions

- Forms filled in
  - Crushing/refining sites (C/R): between 30 and 35
  - Stand alone refining/further processing (SAR/FP): between 5 and 10
- Calculation of FEDIOL aggregated emissions results
  - a) Two results
    - one for crushing/refining and
    - one for stand alone refining
  - b) In both cases
    - Take the sum of the CO<sub>2</sub> emissions of all the sites
    - Take the sum of the raw materials processed by all the sites.
  - c) In both cases, divide the sum of emissions by the sum of raw materials processed.



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## Preliminary results monitoring on CO<sub>2</sub> emissions

Table FEDIOL emissions in  
ton CO<sub>2</sub> emitted/ton product processed

	2019	2020	2021	2022
C/R	0,041	0,041	0,042	0,041
SAR/FP	0,058	0,058	0,053	0,053



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