

CO₂ neutrality in methanation process

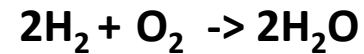
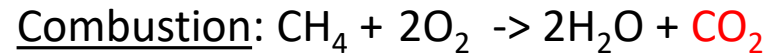
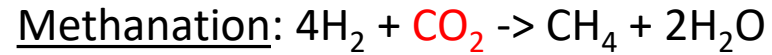
RED II mentions : « renewable energy means energy from renewable non-fossil sources »

In methanation process, a source of renewable H₂ allows to produce renewable CH₄

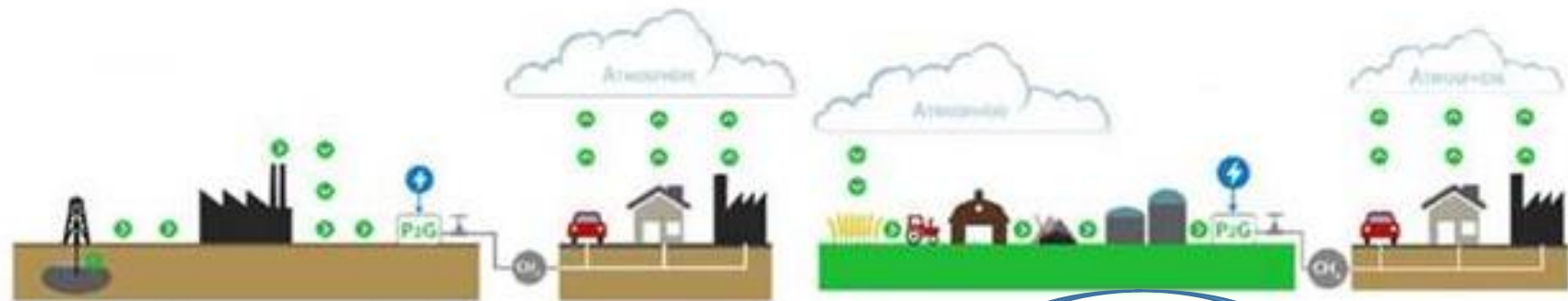


*Principle of avoidance of **double counting** of CO₂ emission reduction*

Released CO₂ during the combustion had been already captured during the methanation



Need of allocation rules regarding benefit of CO₂ emission reduction.



Renewable electricity

Renewable H₂

Renewable CH₄

Recommendations

Synthetic methane produced from renewable hydrogen is renewable:

Based on RED II, particularly the definitions set in Article 2, any energy deriving from renewable sources is a renewable energy: a source of renewable electricity allows to produce renewable synthetic methane through methanation.

More clarification is welcomed for the allocation of emission reduction benefits of synthetic methane in order to avoid any double counting.