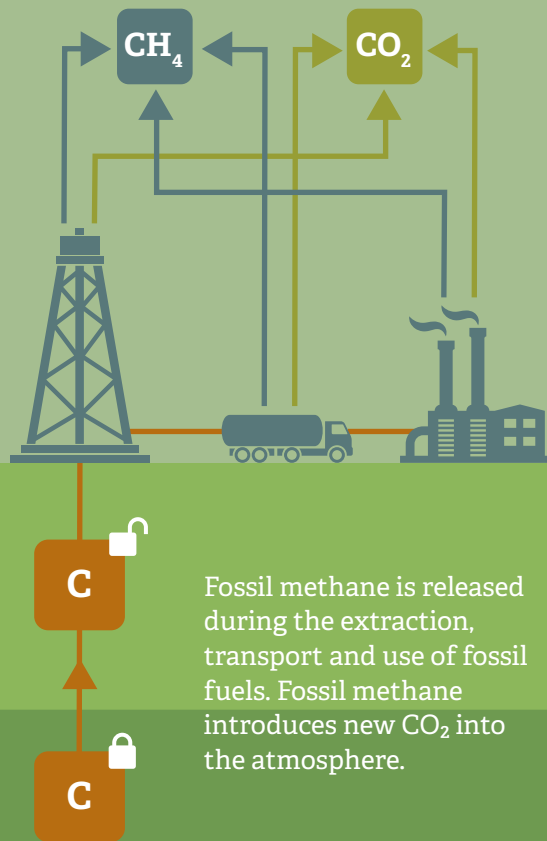


Methane

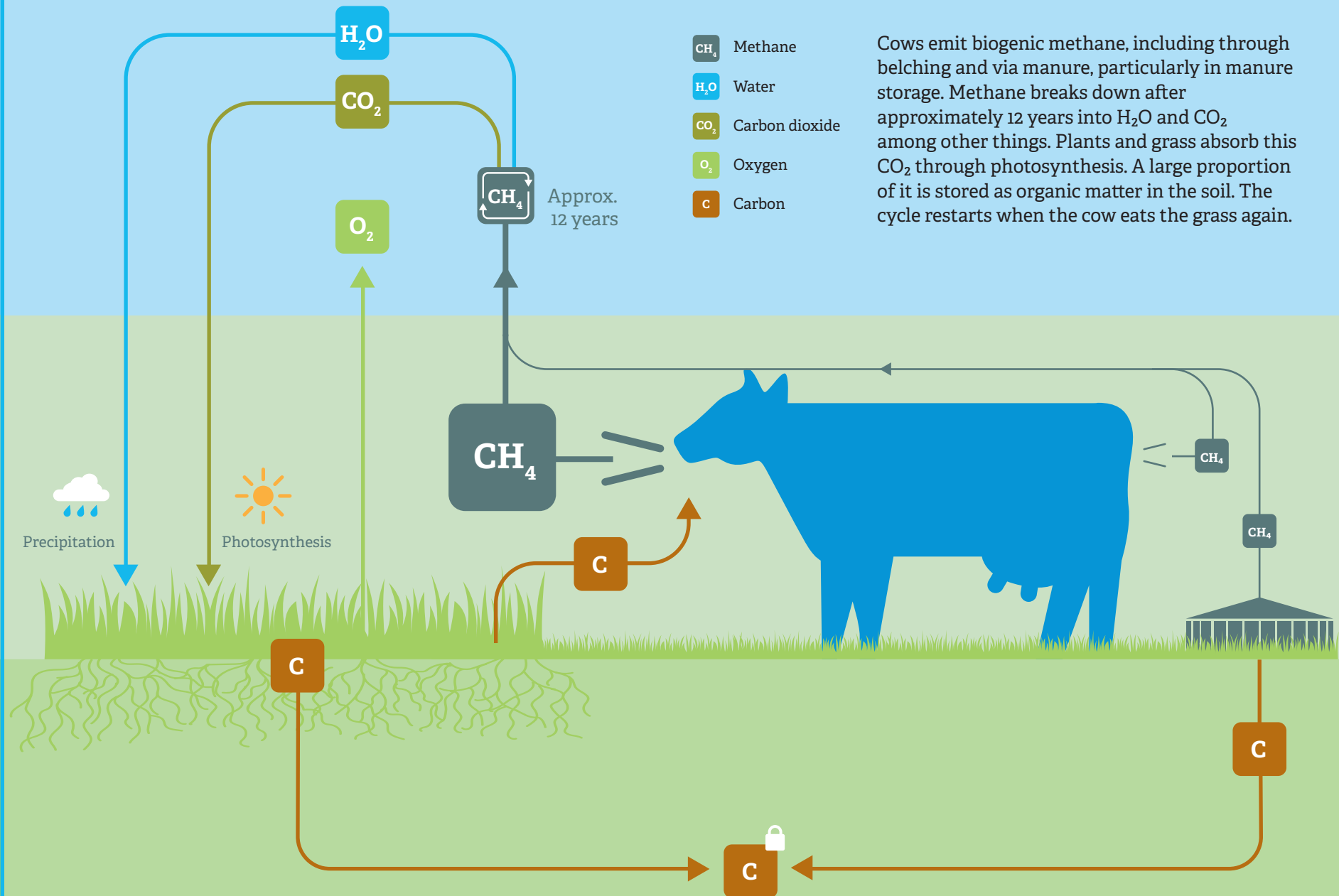


- Breaks down in approx. 12 years
- 2 variants:
 - Fossil methane
 - Biogenic methane

Fossil Methane



Biogenic Methane



GWP100 or GWP*

GWP100 measures the effect of methane emissions over a 100-year period and converts this into the warming potential of CO₂. GWP* takes into account the shorter atmospheric lifetime of methane.

What can we do?

Grazing



Improving feed efficiency



Adjusting the ration
Reducing concentrate feed



Manure storage measures



Manure processing



We too must act

Sources:

- Intergovernmental Panel on Climate Change (n.d.). About the IPCC. IPCC. Retrieved July 28, 2022, from www.ipcc.ch/about/.
- Moerkerken, A., Spijkerman, I., & Schans, F. van der (2022). Overzicht wetenschappelijke discussie over methaanwaardering voor de zuivelsector [In Dutch]. CLM Onderzoek en Advies.
- Intergovernmental Panel on Climate Change (2021). Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press.
- Doornewaard, G.J., Hoogeveen, M.W., Jager, J.H., Reijls, J.W., & Beldman, A.C.G. (2022). Sectorrapportage Duurzame Zuivelketen: Prestaties 2020 in perspectief [In Dutch]. Wageningen Economic Research.