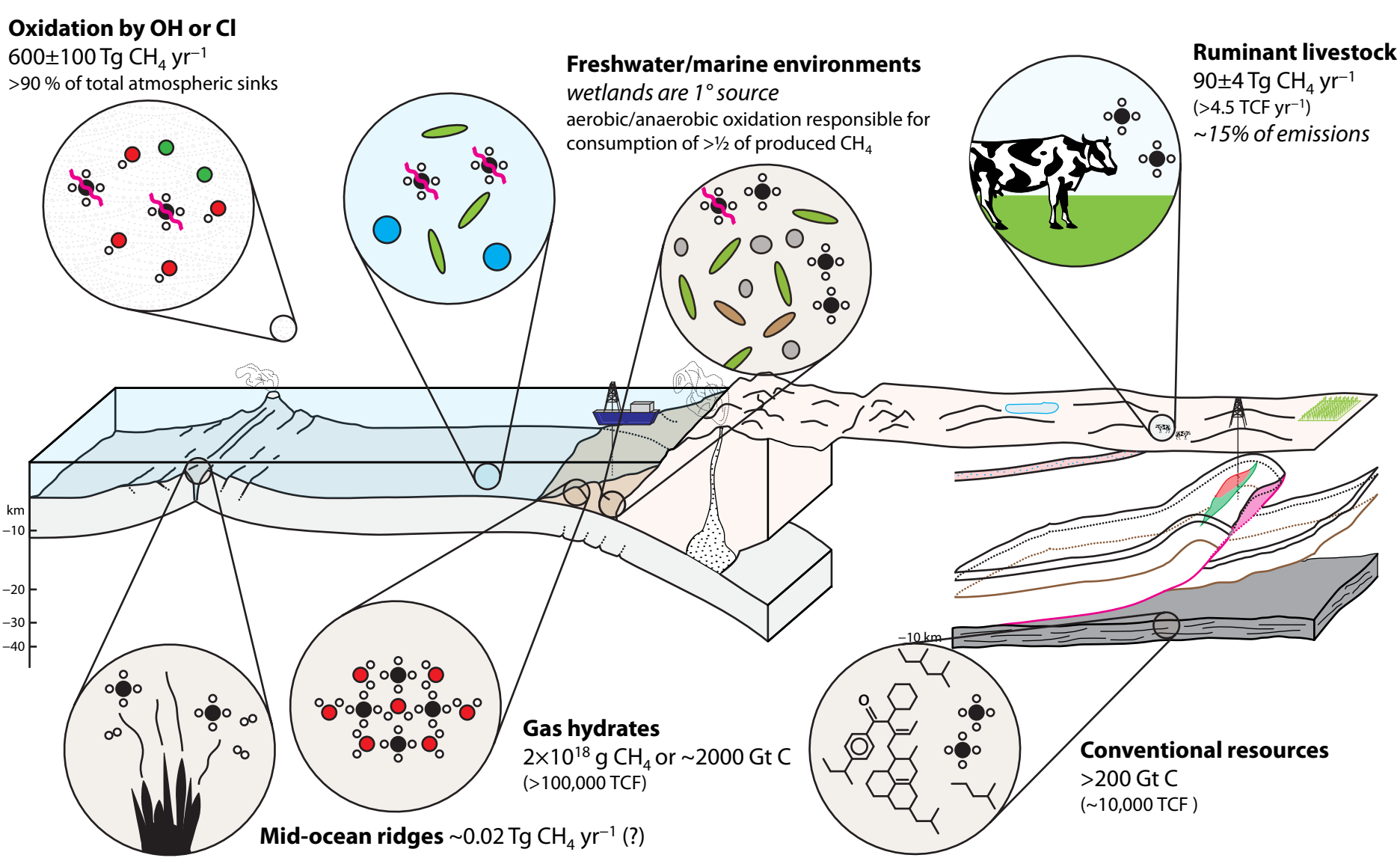
Oxidation by OH or Cl
600±100 Tg CH4 yr−1
>90 % of total atmospheric sinks
Freshwater/marine environments
wetlands are 1° source
aerobic/anaerobic oxidation responsible for consumption of >½ of produced CH4
Ruminant livestock
90±4 Tg CH4 yr−1
(>4.5 TCF yr−1)
~15% of emissions
km
−10
−20
−30
−40
−10 km
Gas hydrates
2×10^18 g CH4 or ~2000 Gt C
(>100,000 TCF)
Mid-ocean ridges ~0.02 Tg CH4 yr−1 (?)
Conventional resources
>200 Gt C
(~10,000 TCF )