

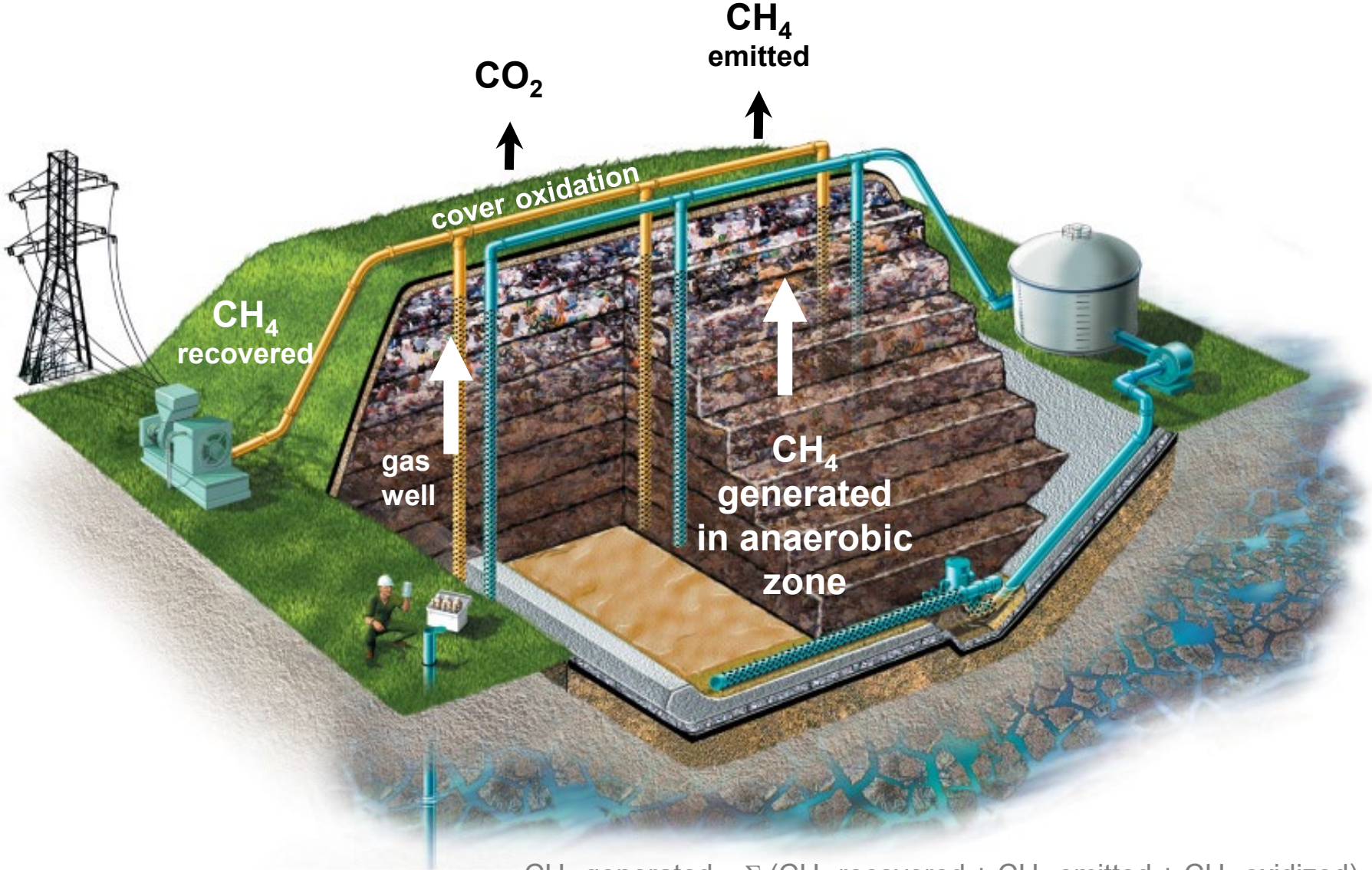


Landfill 101

Roger Green

WM

Landfill 101: Methane Mass Balance

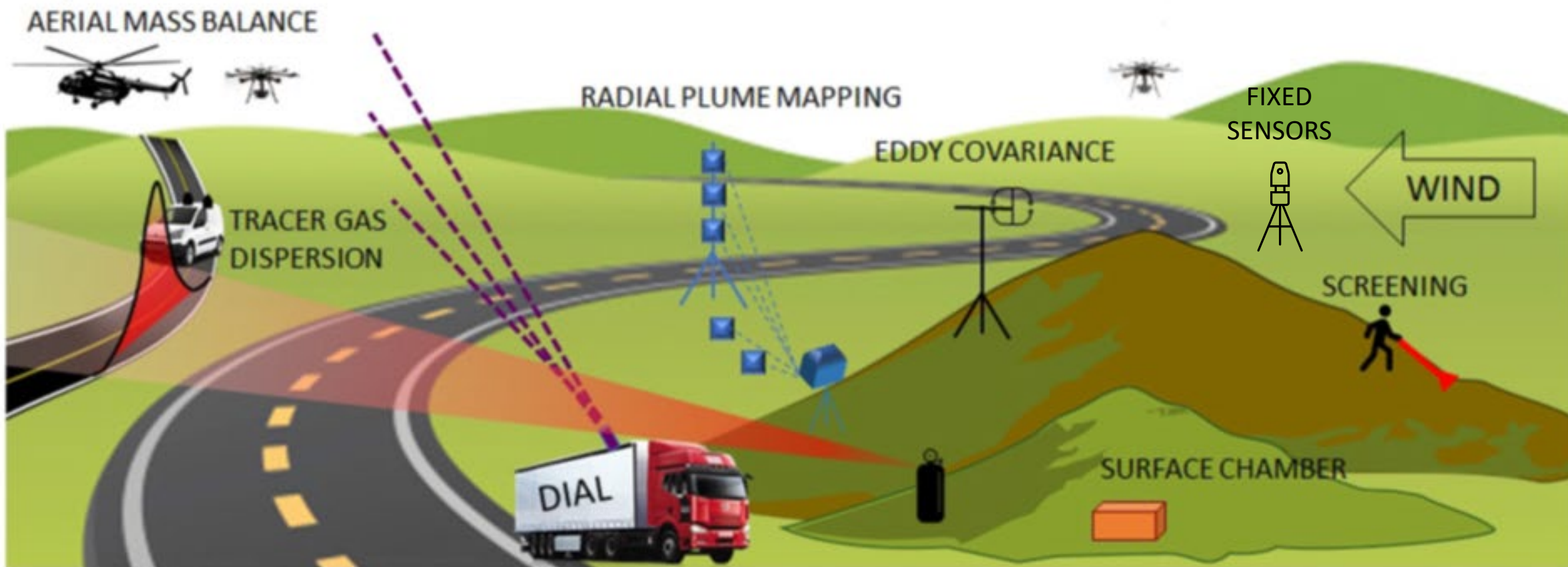
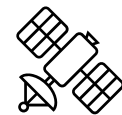


$$\text{CH}_4 \text{ generated} = \Sigma (\text{CH}_4 \text{ recovered} + \text{CH}_4 \text{ emitted} + \text{CH}_4 \text{ oxidized})$$

Landfill 101: Methane Measurement Approaches



SWIR SURVEYS



Modified from: Fig. 1 in: J. Mønster, P. Kjeldsen and C. Scheutz, Methodologies for measuring fugitive methane emissions from landfills – A review, Waste Management, <https://doi.org/10.1016/j.wasman.2018.12.047>