

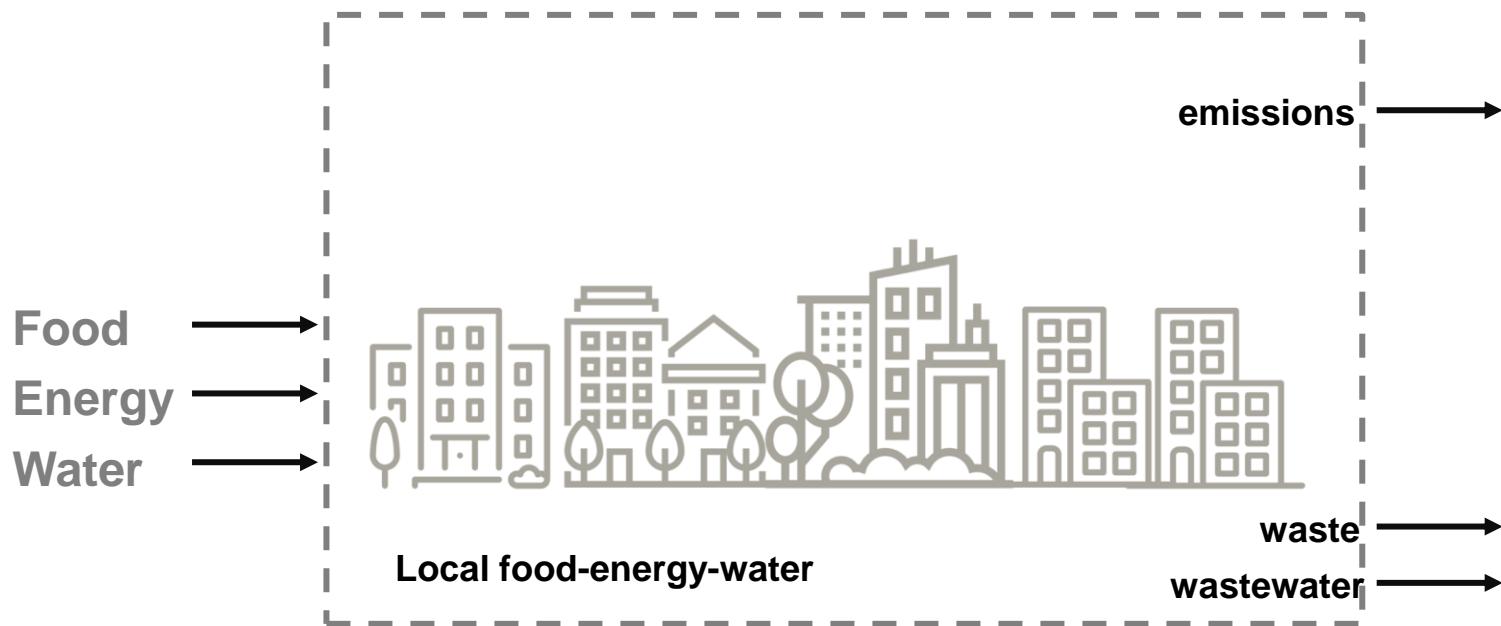
Assamblea Ciutadana pel Clima

El metabolisme urbà i els seus impactes

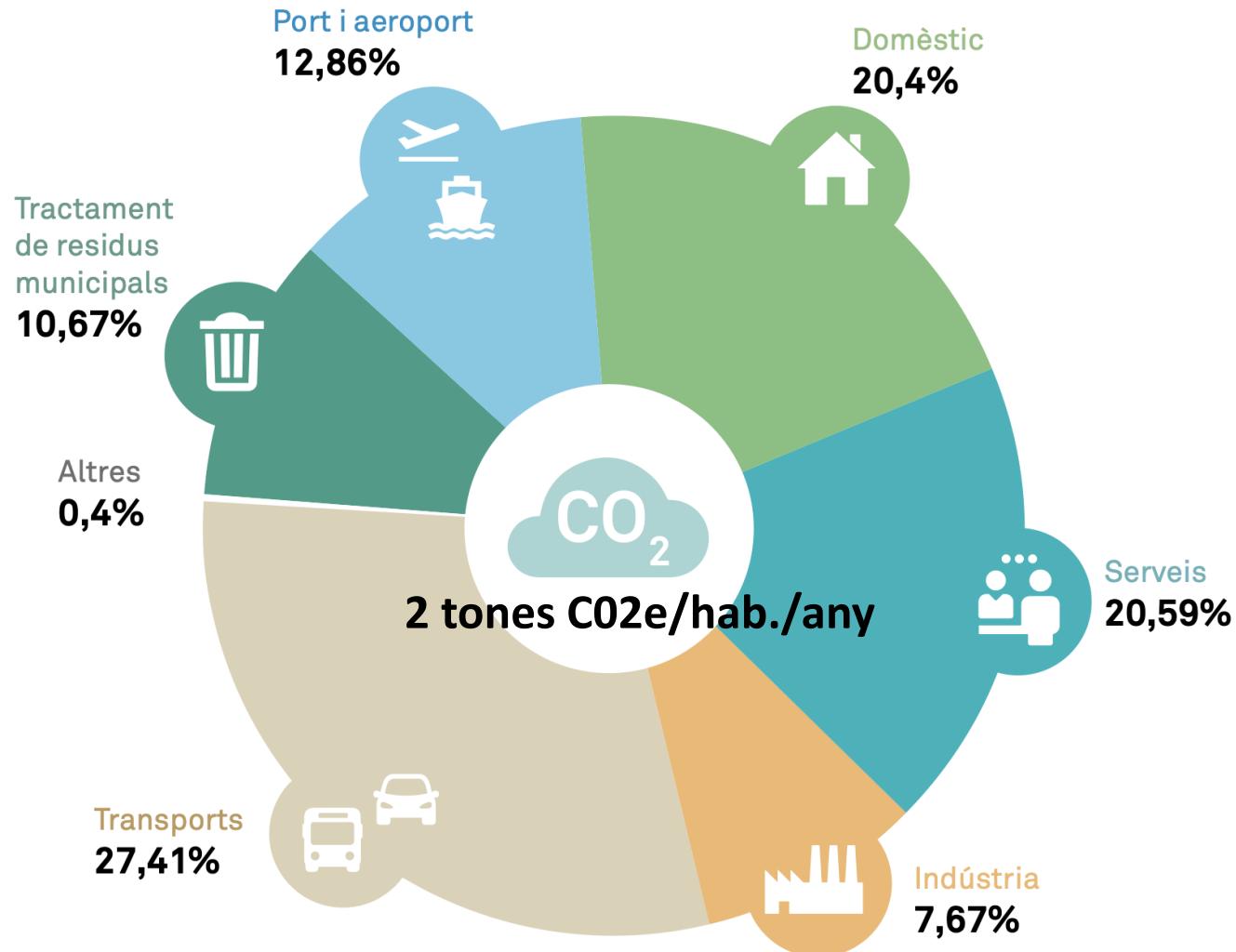
Espai Jove la Fontana
17 de Setembre 2022

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Universitat Autònoma de Barcelona (UAB)

Metabolisme Urbà



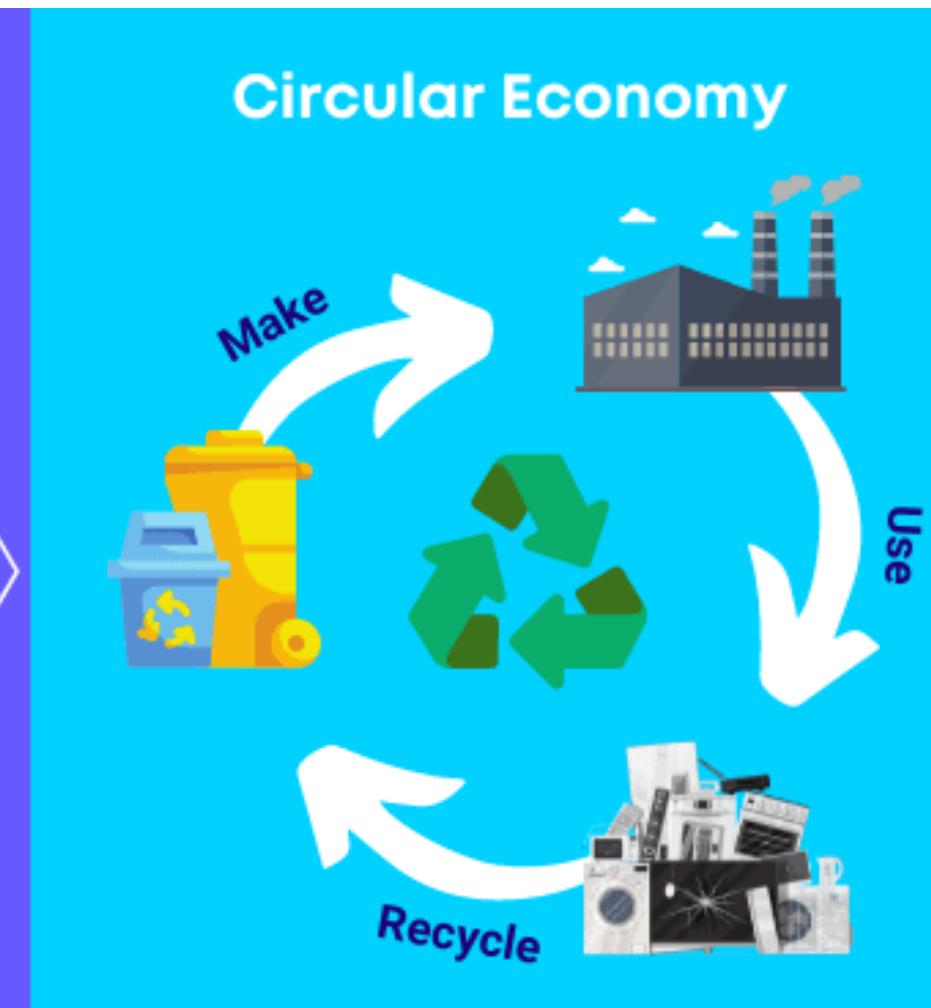
Emissions de CO2-e per sectors a Barcelona



Model lineal



Model circular

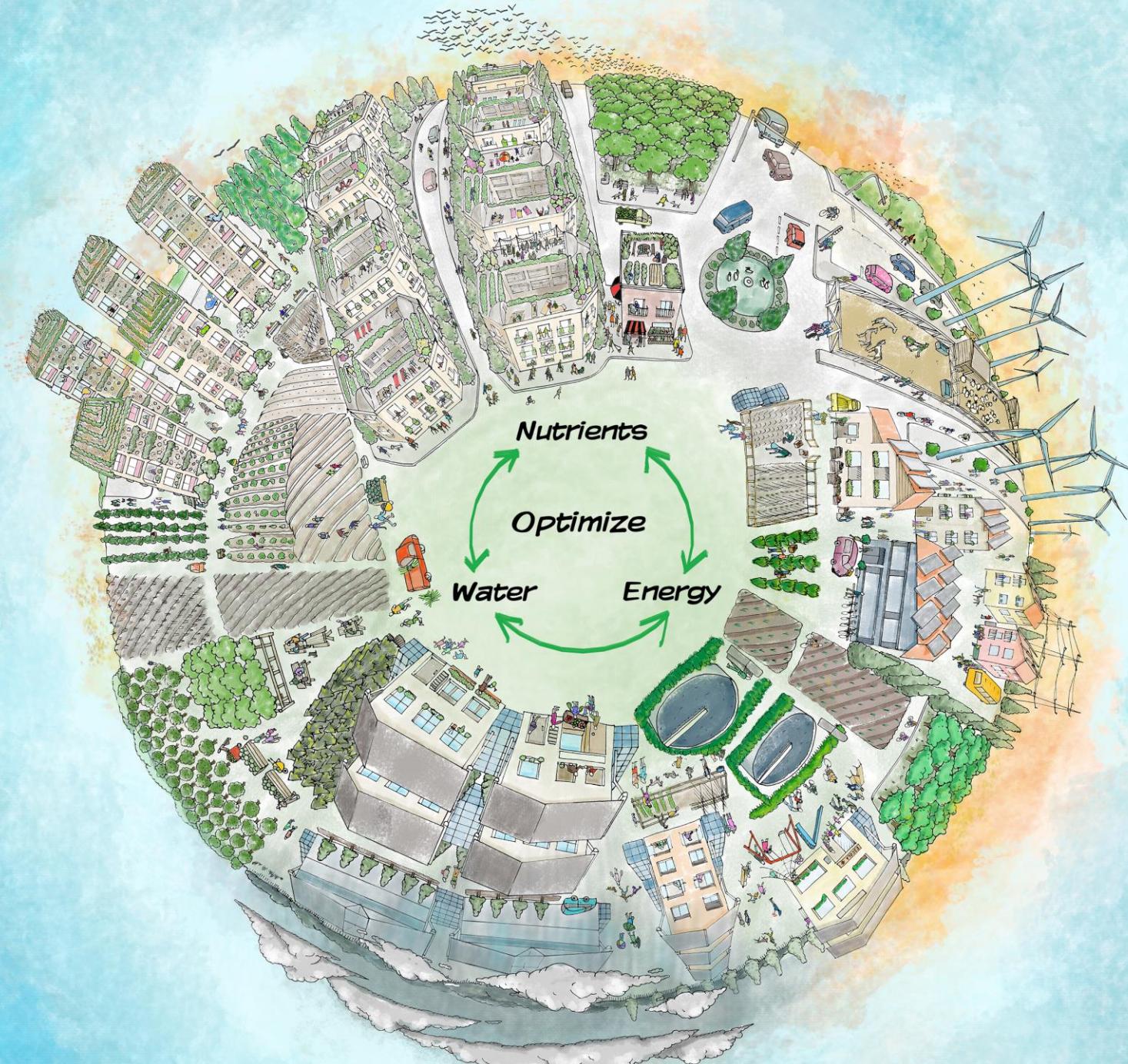




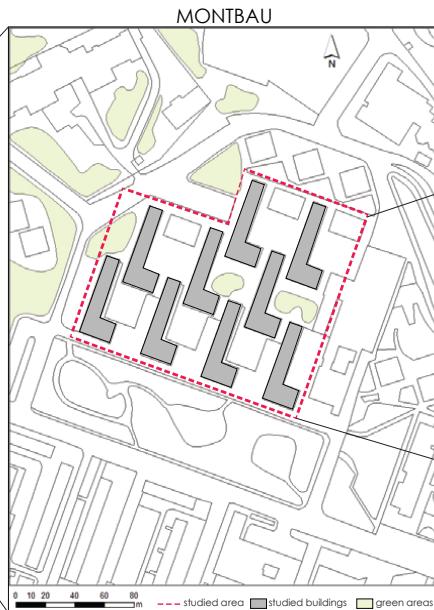
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Alimentació

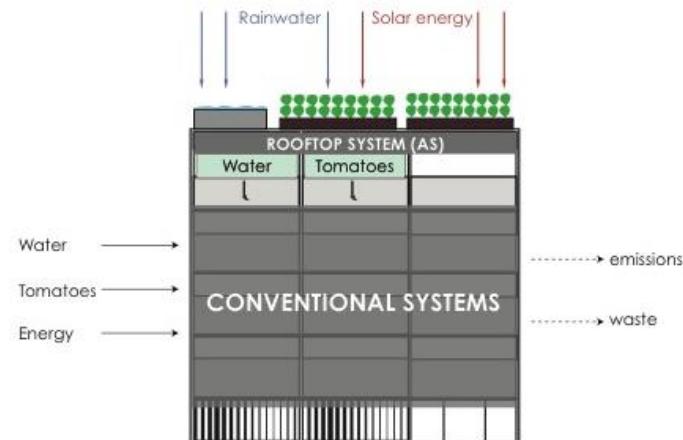




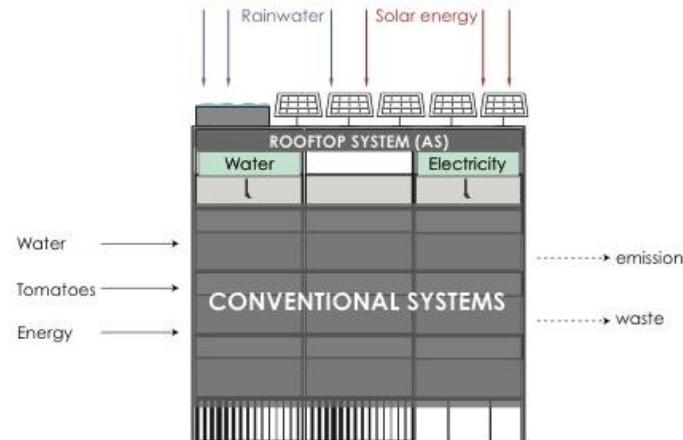
Montbau



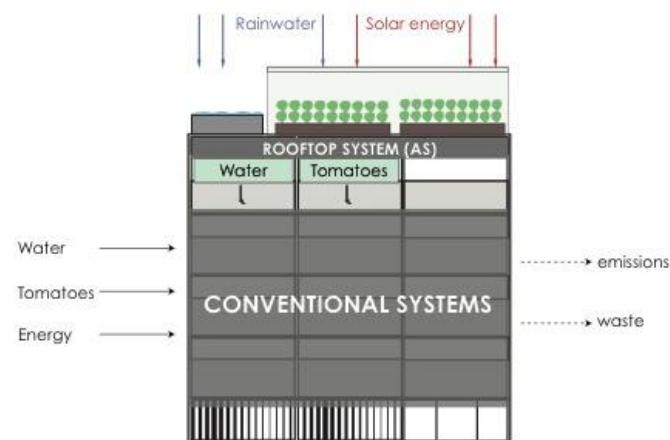
S.1: Aigua pluvial i agricultura convencional



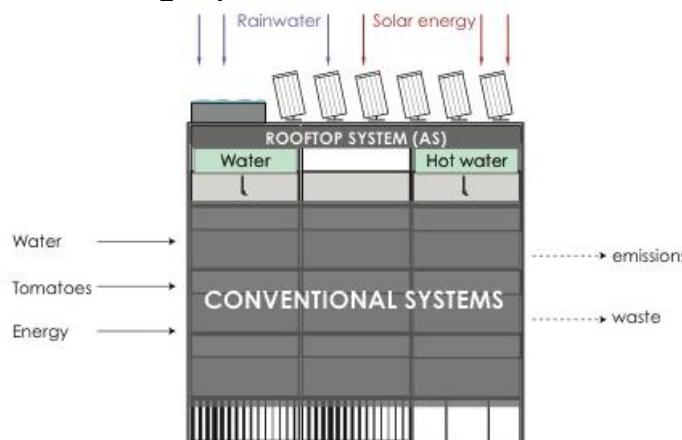
S.3: Aigua pluvial i PV



S.2: Aigua pluvial i hivernacle integrat



S.4: Aigua pluvial i solar tèrmica



Montbau

| Resource | Demand | SUPPLY | | | |
|----------------------------------|-----------------------------------|----------|-----|-----|------|
| | | Rooftops | | | |
| | | S1 | S2 | S3 | S4 |
| Water (laundry + irrigation) | 6.1-6.5* m ³ /inh/year | 21% | 22% | 24% | 24% |
| Food (tomatoes) | 17.4 kg/inh/year | 52% | 69% | 0% | 0% |
| Electricity | 1334 kWh/inh/year | 0% | 0% | 30% | 0% |
| Natural Gas (sanitary hot water) | 2398 MJ/inh/year | 0% | 0% | 0% | 100% |

* range; inh: inhabitant;



Gràcies!

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