



Sustenso Boekelermeer



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De plattegrond van de locatie



Productie uit CO₂

- De Foto Bio Reactor



Microbial
Biomass

GAS

Phase 2

Input
Green
Waste Grass
Cacao

Fermentor

CH₄

1 CO₂ + 1 CH₄

Gas purification

1 CO₂ + 9 CH₄

1 CH₄ + 9 CO₂

PhotoBioReactor

Algal Biomass Reflux

Biomass

Digestate

Water Reflux

Phase 2

Digestate processing

UF

RO

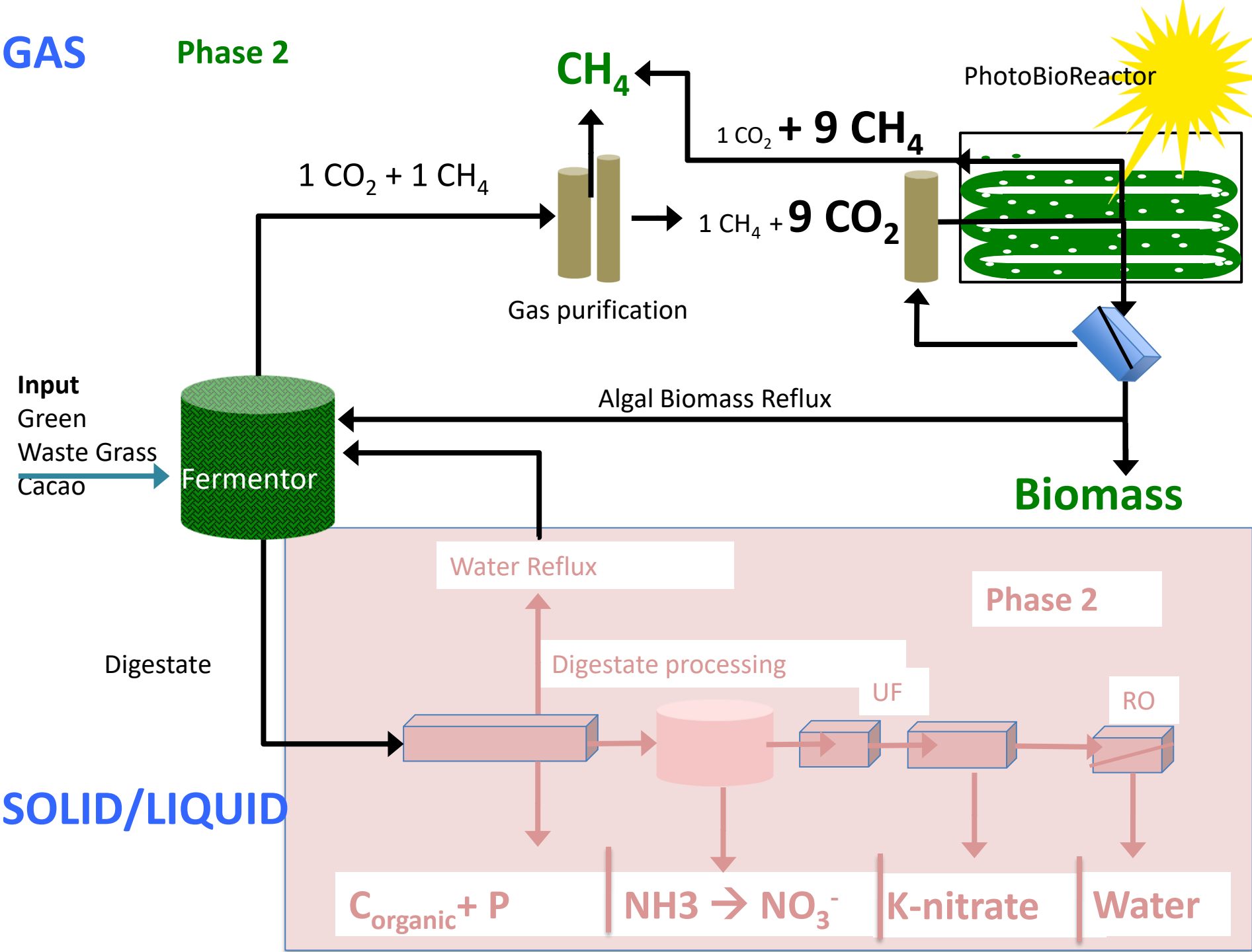
SOLID/LIQUID

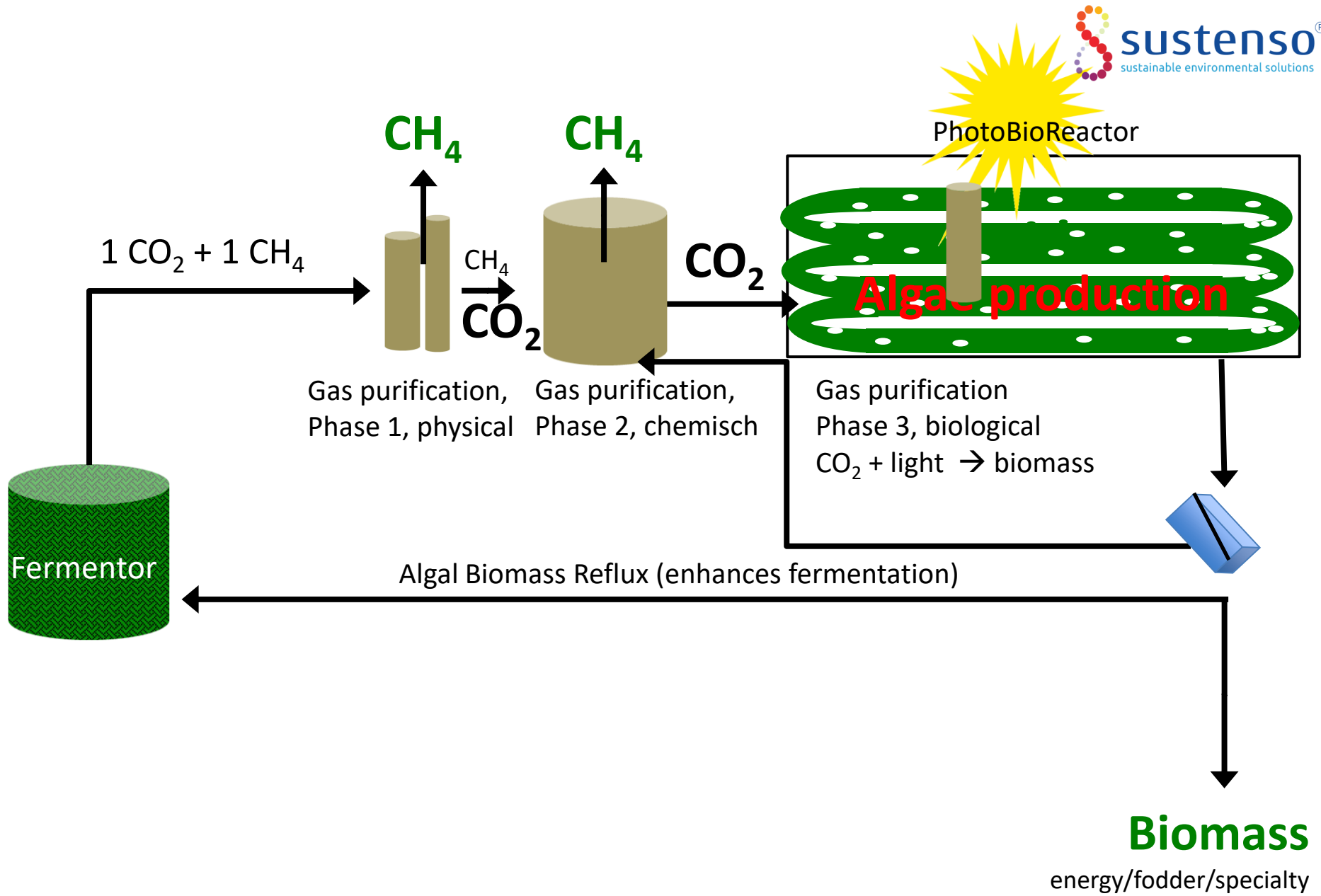
C_{organic} + P

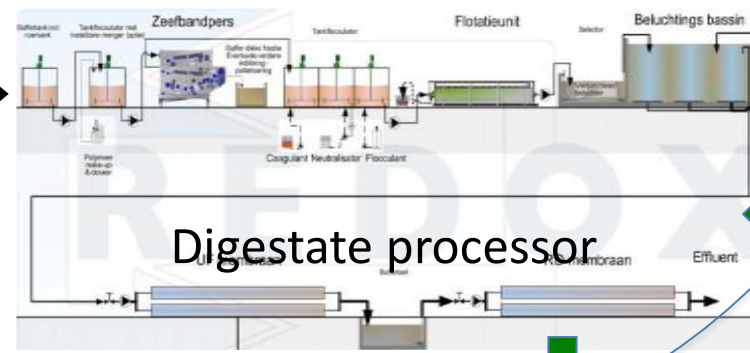
NH₃ → NO₃⁻

K-nitrate

Water







CH₄

Microbial Biomass

nitrate

phosphate

minerals

clean water

CO₂ + CH₄

CO₂

Digester

Gas separator

PBR

digestate

Digester processor

waste

Microbial Biomass

nitrate

phosphate

minerals

clean water

CO₂ + CH₄

CO₂

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