

XXI. Century's backyard

THE ALGAE PROJECT

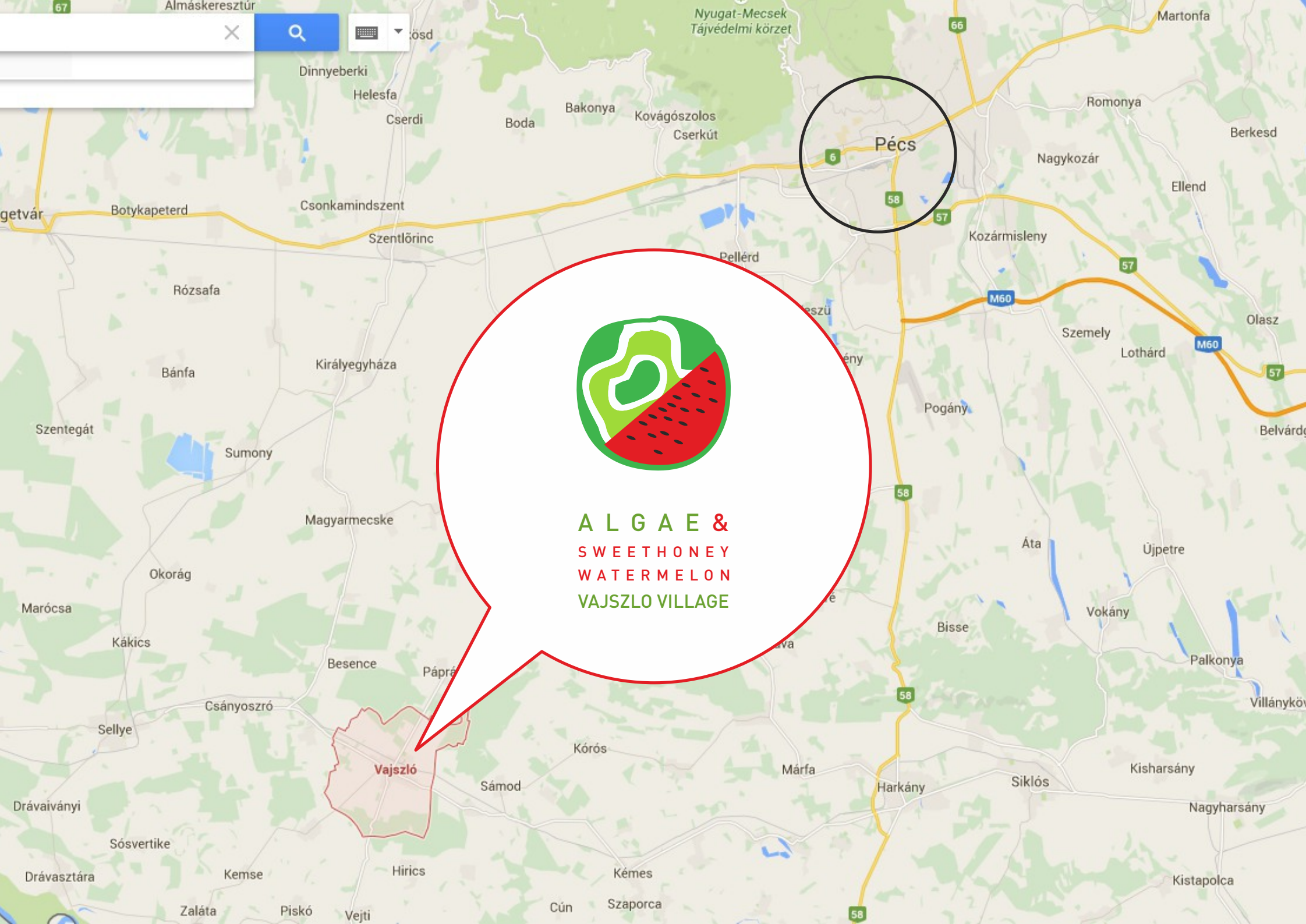


BESS 2015

Emma Petersson, Hayyu Widiatma Sakya, Richard Mark Nagy



ALGAE &
SWEETHONEY
WATERMELON
VAJSZLO VILLAGE



Almáskeresztúr

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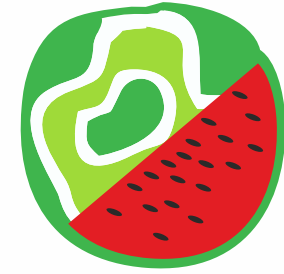
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Vajszló

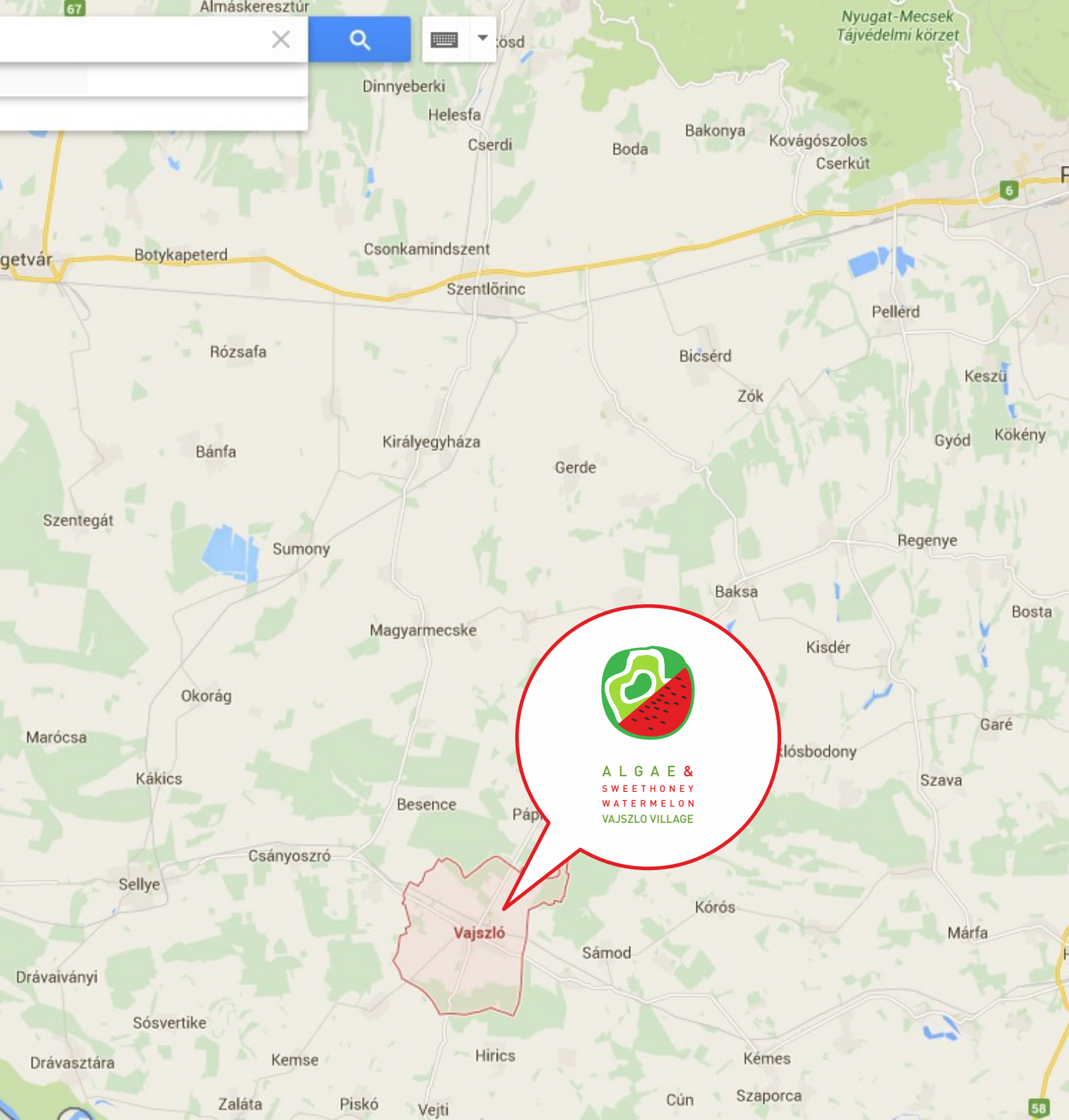


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WATERMELON
VAJSZLO VILLAGE

SPECIALTY OF THE VILLAGE

Hungarian-known
brand:

**Sweet honey
watermelons**

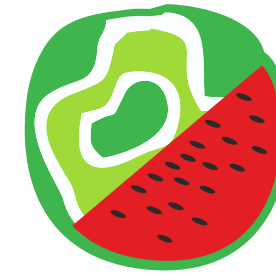
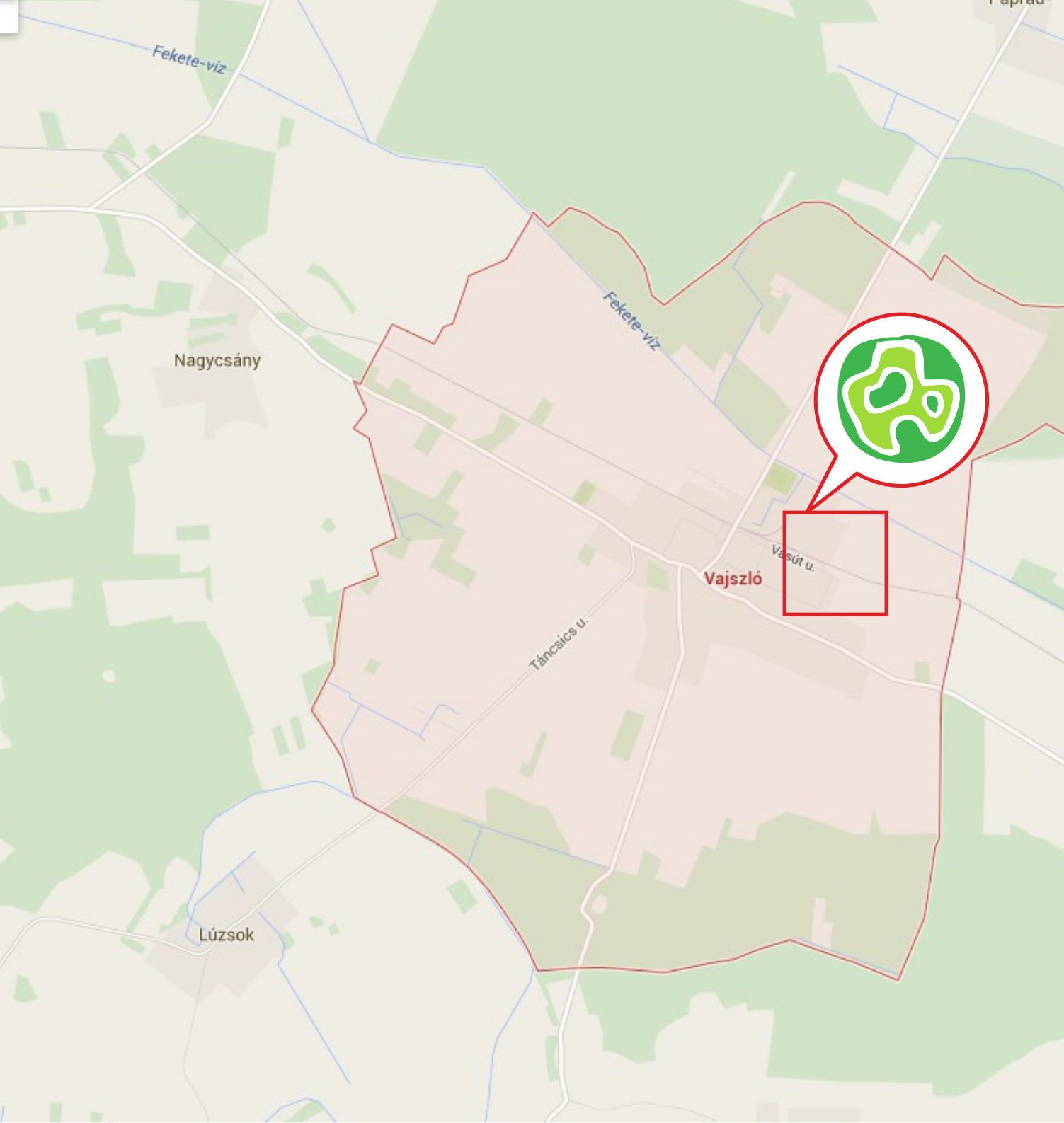


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ABOUT THE VILLAGE:

Total population:
1,811 people
(2014, January 1)
Population density:
98.25/km²

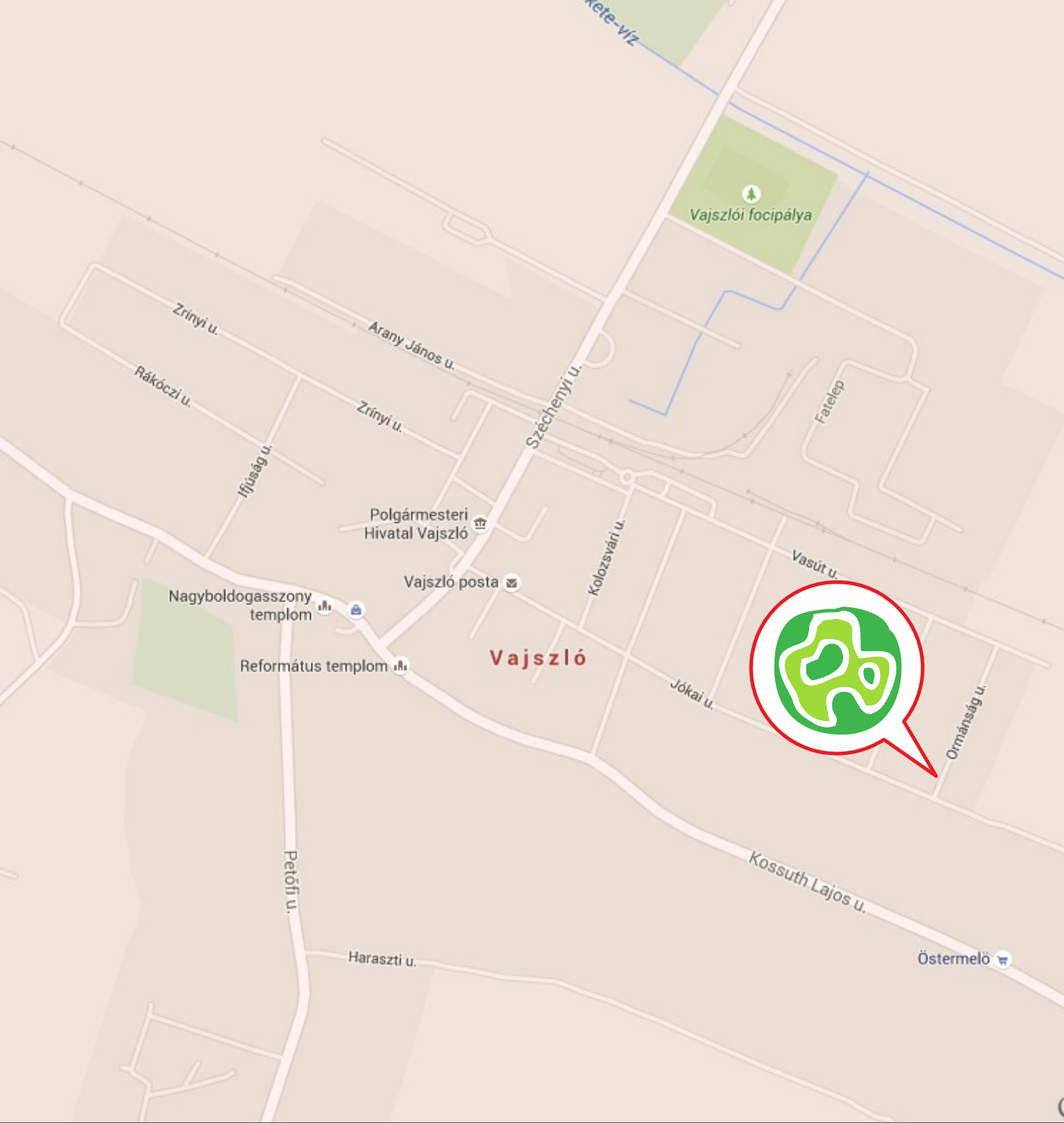
Geographical Data:
Area: 17.71 km²
Time zone: CET, UTC + 1
From Árpád-era time
Already existed in 1257



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BASIC NEEDS:

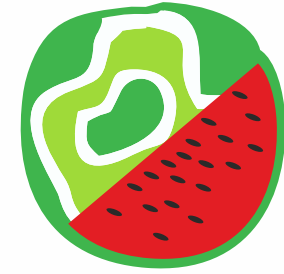
- Self sufficient
- Local Energy
- Local food
- Health
- Public safety



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FURTHER NEEDS:

- Education
- Local cashflow
- Predictability
- European living standards
- Jobs (100%)



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DETAILS OF COMMUNITY:

13 HOUSES
50% employment
30% commuting to Pécs
20% works total
10% children
4% family farming



Dráva u.

Vasútu.

Jókai u.



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DETAILS OF COMMUNITY:

13 HOUSES
50% employment
30% commuting to Pécs
20% works total
10% children
4% family farming



community:
13 houses
at the same
street

watermelon
farm

BIOGAS

ALGAE FARM

Vasút u.

Dráva u.

Vasút u.

Jókai u.

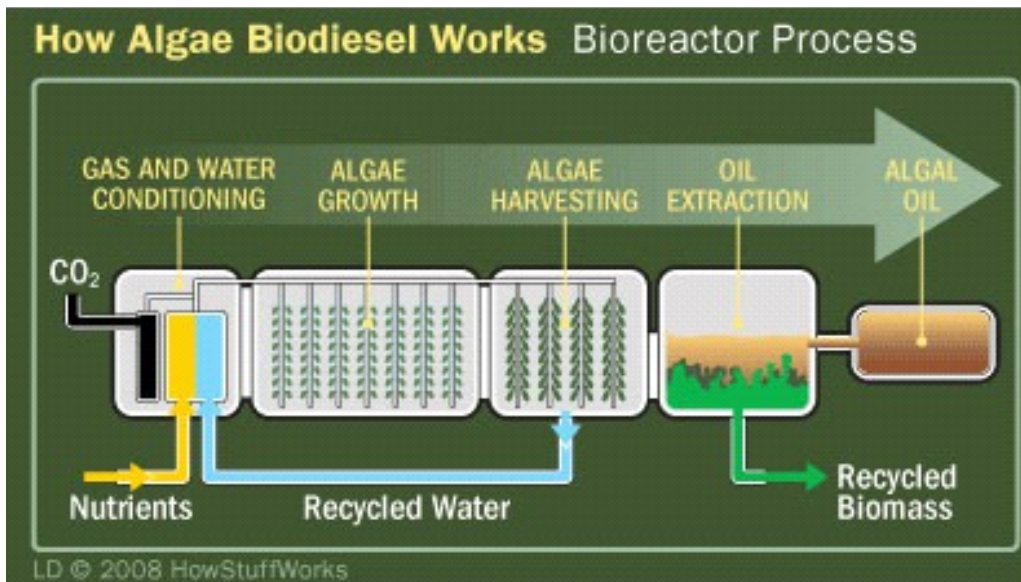


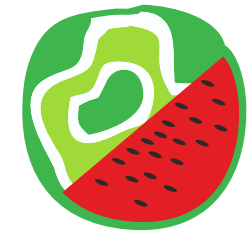
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ALGAE FARM

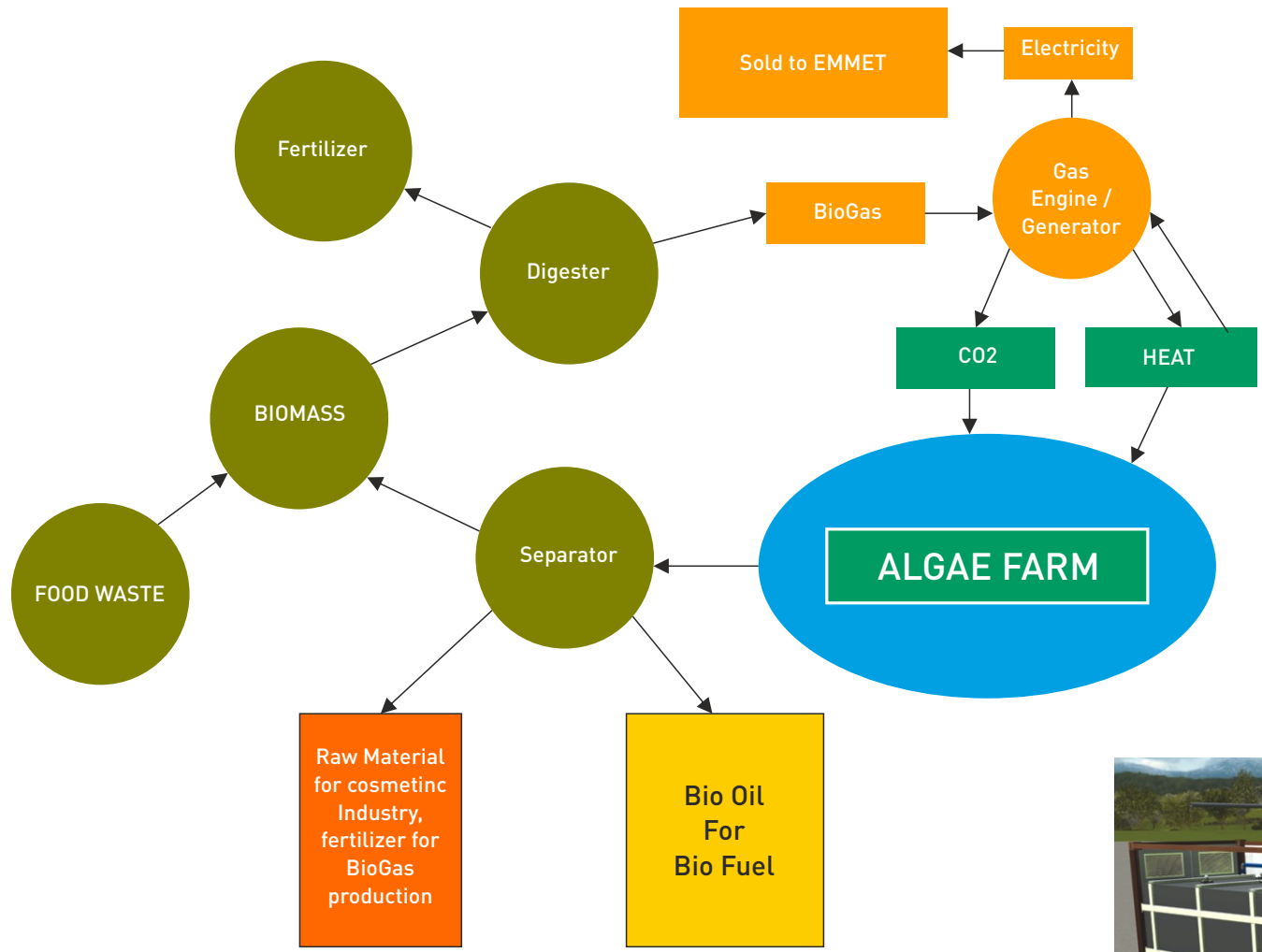
ALGAE BIODIESEL WORKS:

- Gas and water conditioning
- Algae Growth
- Algae Harvesting
- Oil Extraction
- Algae oil

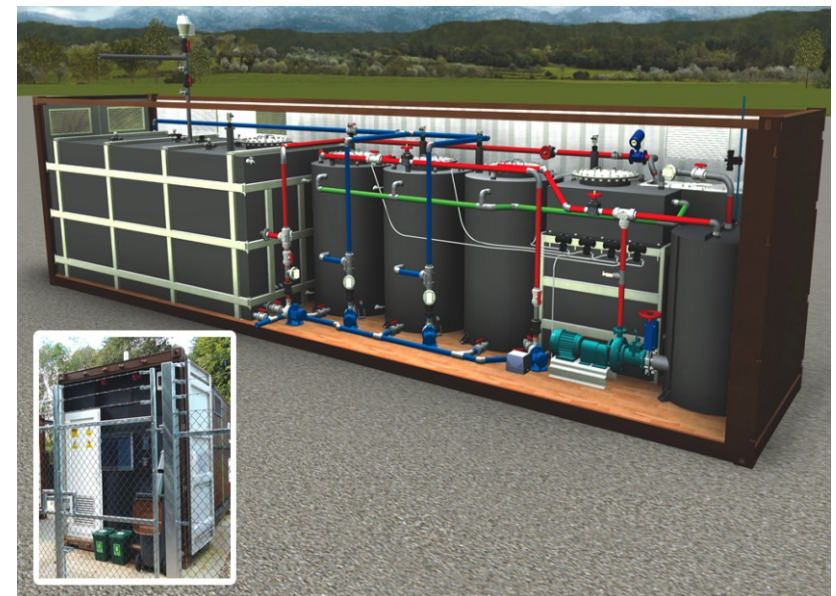




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BIOGAS





PHASE1: ELECTRICITY



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PHASE2: HEALTHY FOOD

OUR
VISION







PHASE3: JOB + BETTER QUALITY OF LIFE

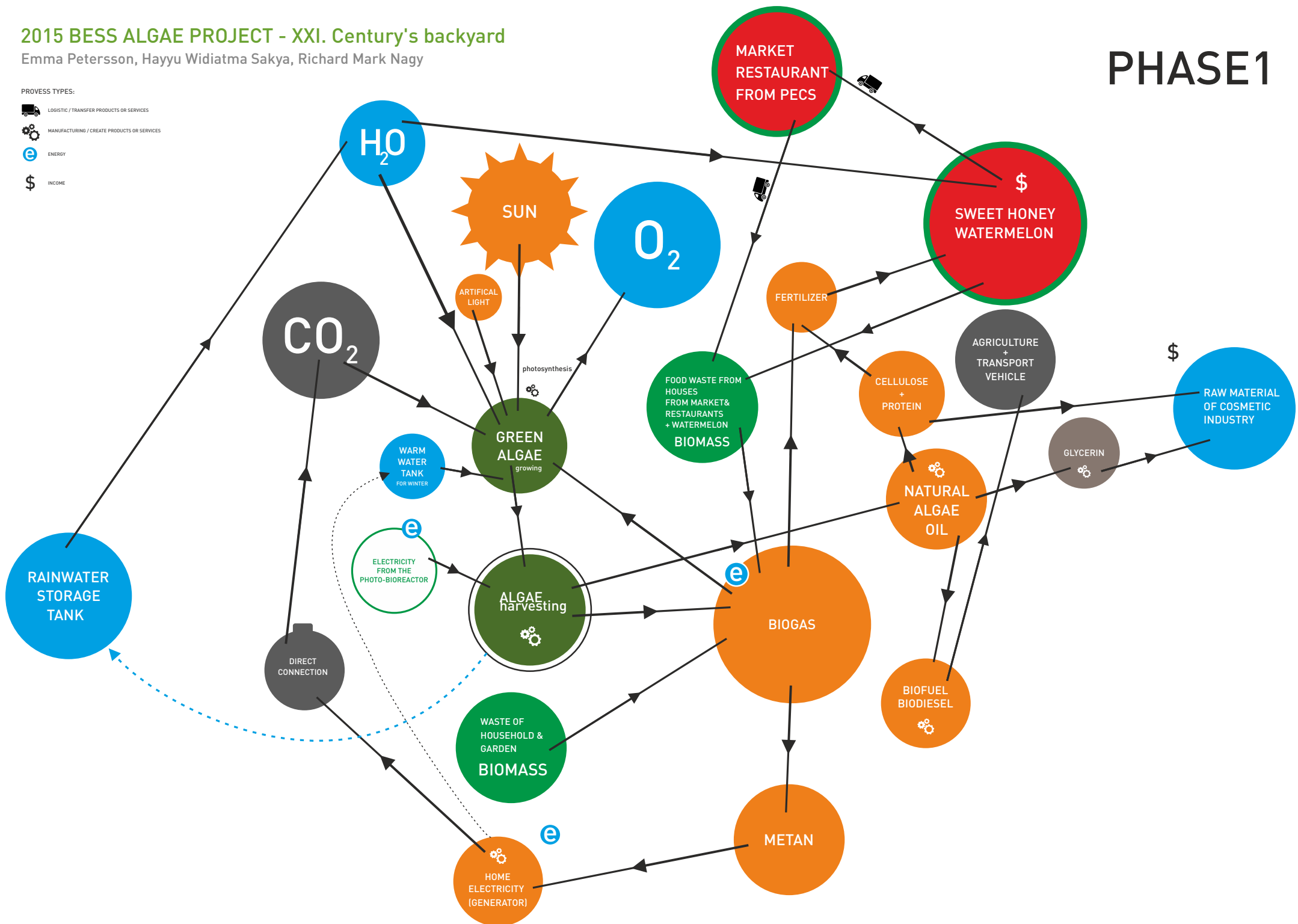
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PHASE 1

PROCESS TYPES:





-  LOGISTIC / TRANSFER PRODUCTS OR SERVICES
-  MANUFACTURING / CREATE PRODUCTS OR SERVICES
-  ENERGY
-  INCOME

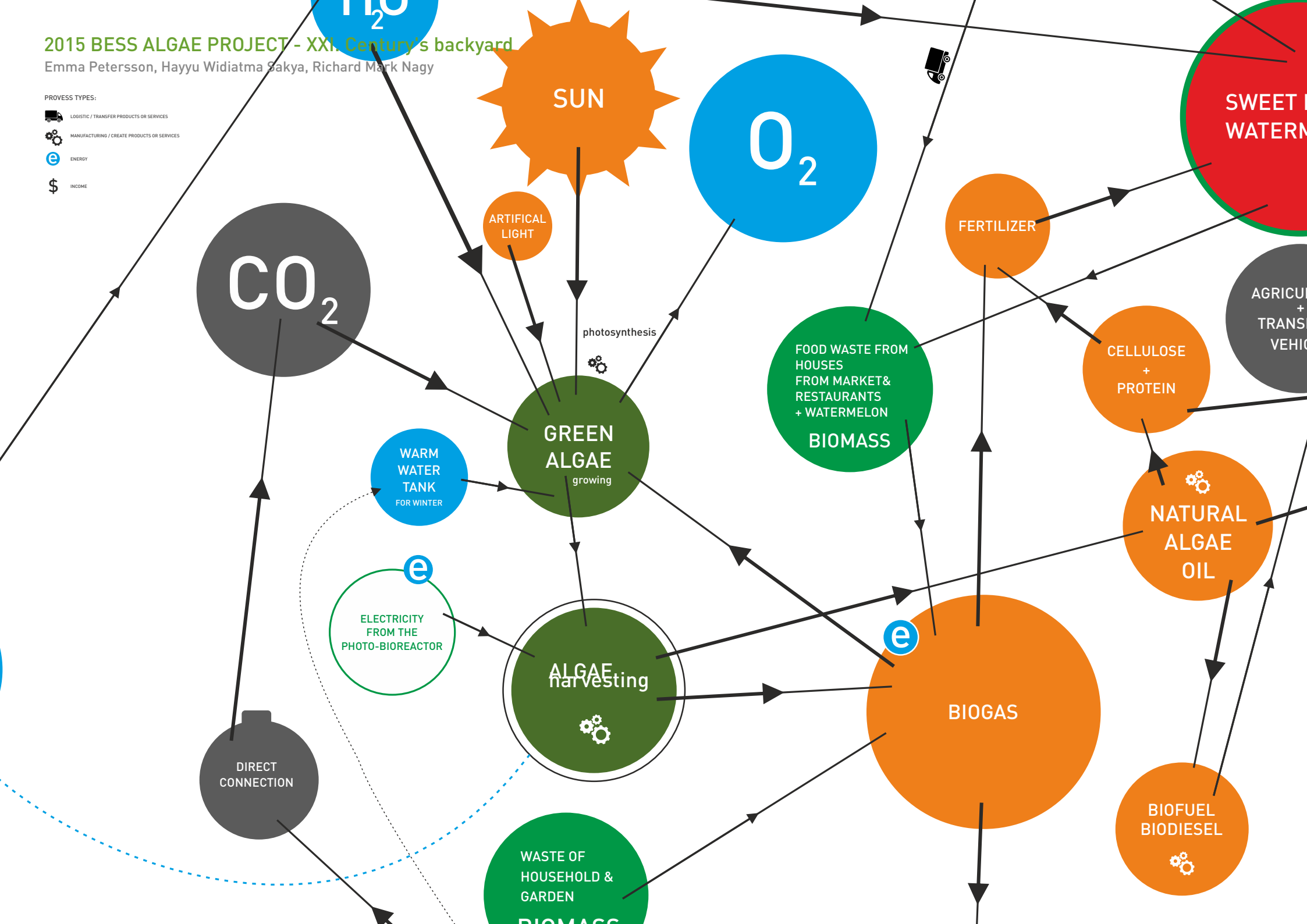


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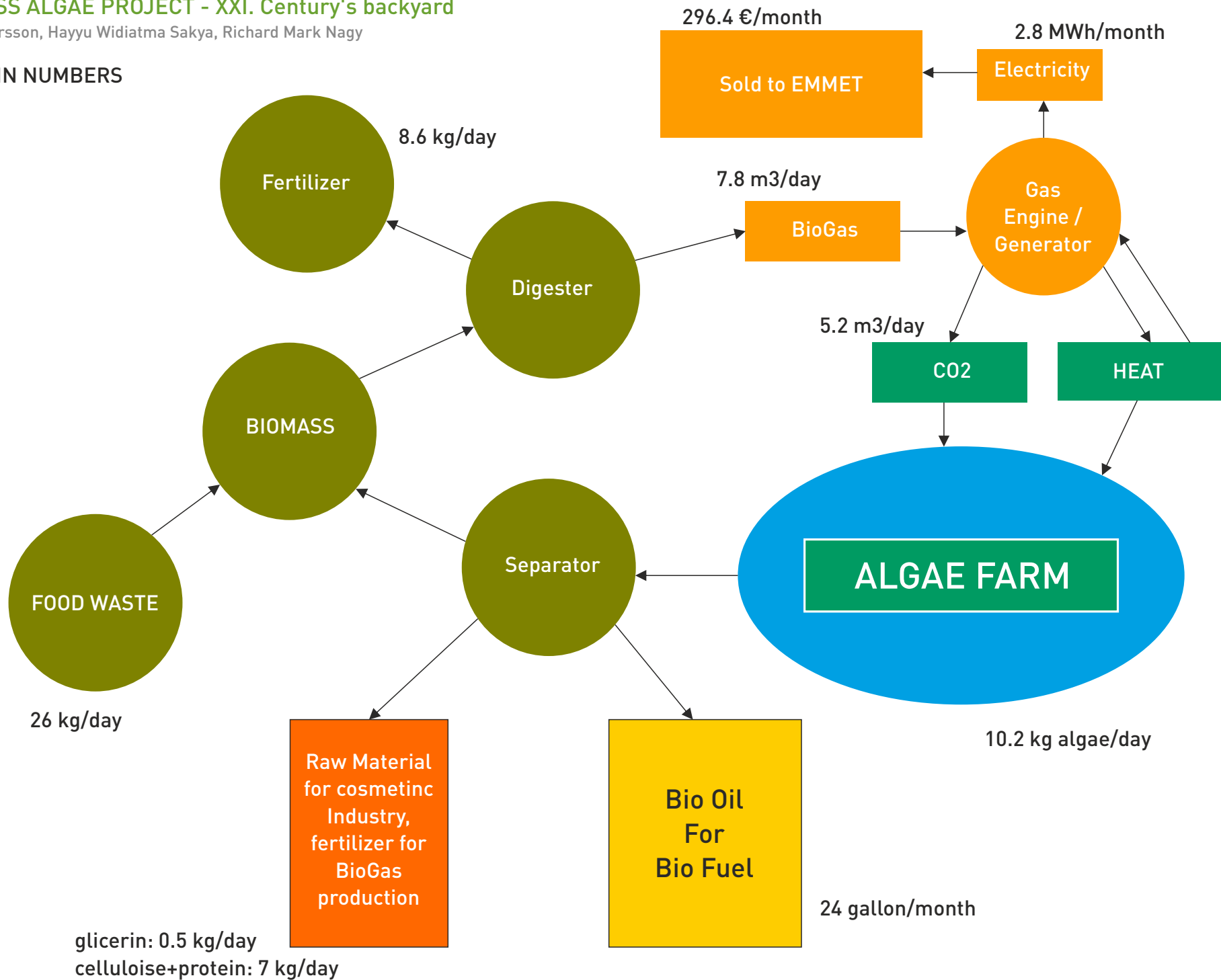
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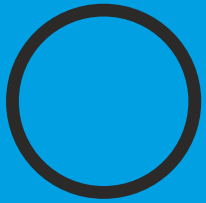


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SYSTEM IN NUMBERS





PHASE1: ELECTRICITY



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PHASE2: HEALTHY FOOD



PHASE3: JOB + BETTER QUALITY OF LIFE

OUR
VISION

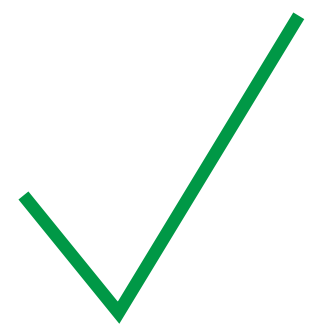
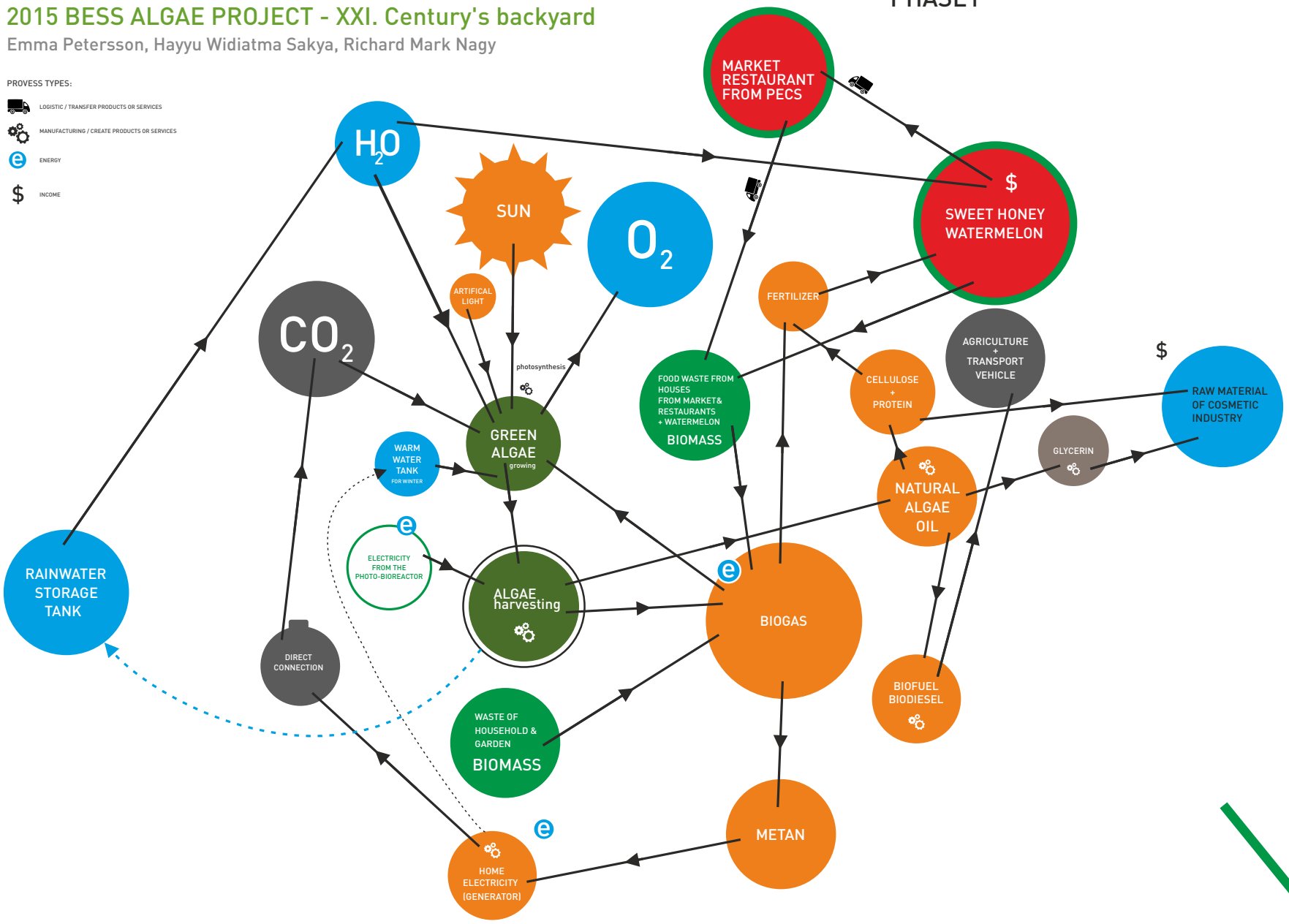
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PHASE1

PROVCESS TYPES:





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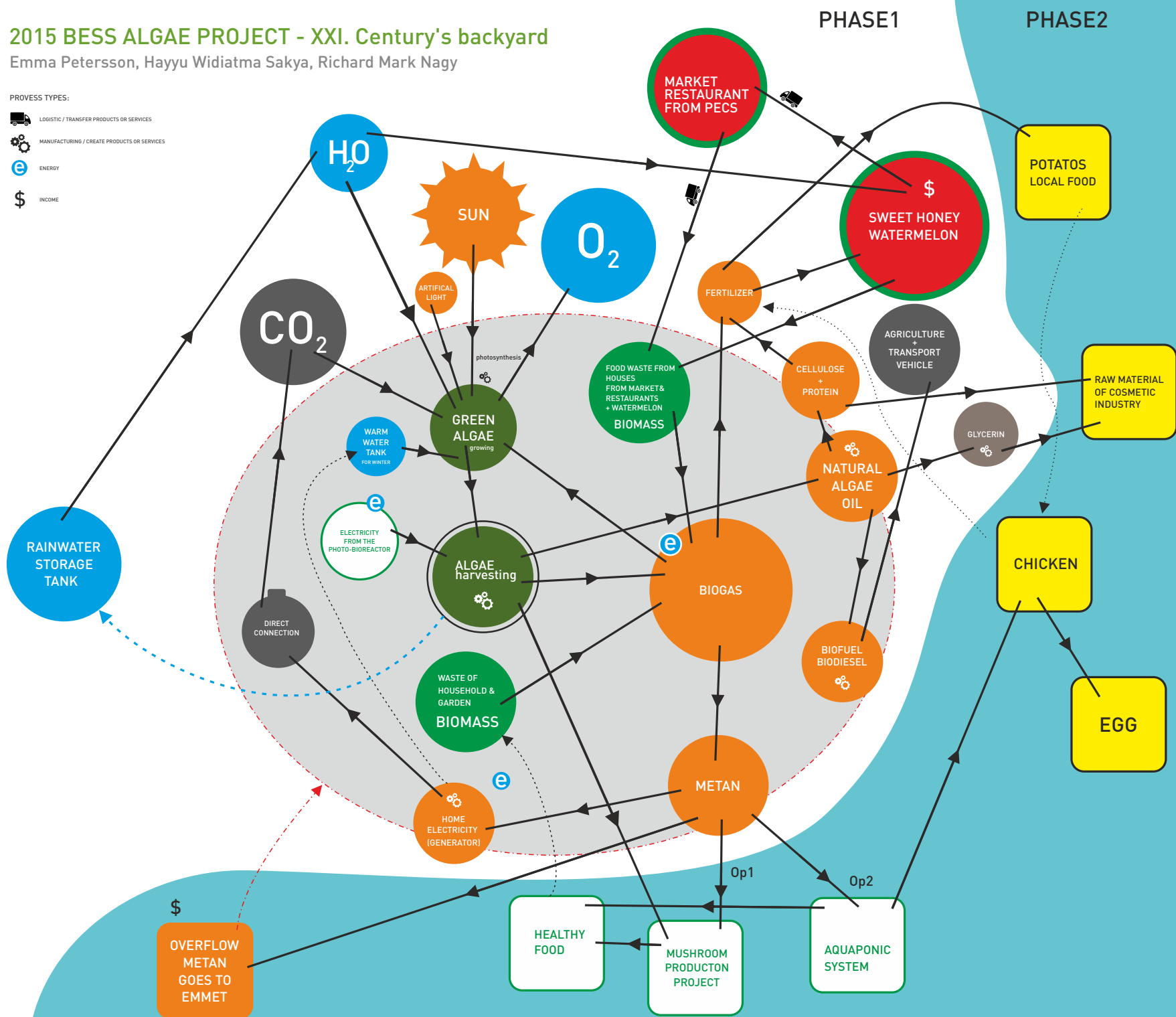


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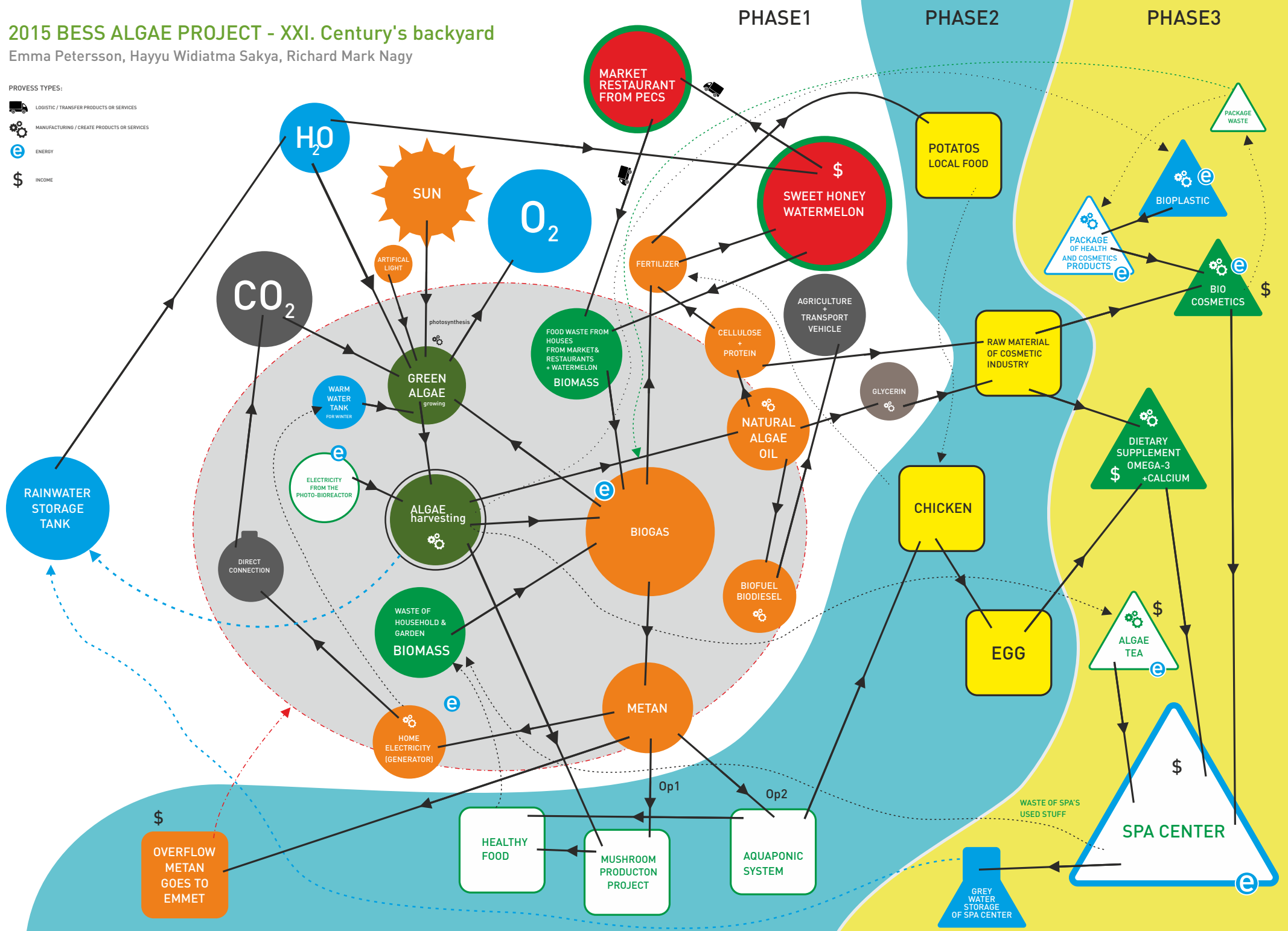


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THANK YOU FOR YOUR ATTENTION