

# Renewable energy?

THE BIGGEST PROBLEM  
GLOBALLY:

**NO STORAGE**  
(WIND, SOLAR, HYDRO)



**methane, CH<sub>4</sub>**

**methane**, CH<sub>4</sub>  
can be produced  
using catalysts



in a temperature of a couple of  
hundred C° without using living cells

= THERMAL METHANATION, NOT  
WORKING DUE TO THE ENERGY  
BALANCE

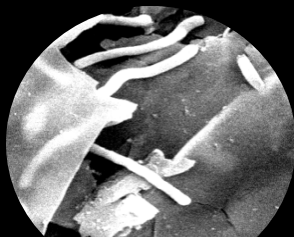


in a temperature of 50–60 C°  
using methane microbes

= **BIOMETHANATION**

methane

CH<sub>4</sub>



5 µm  
label

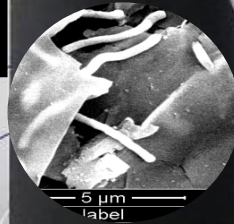
"our  
microbes"



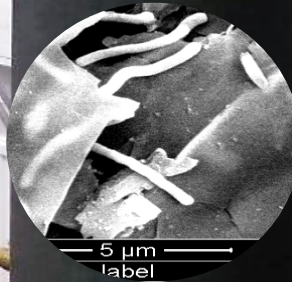


methane  
 $\text{CH}_4$

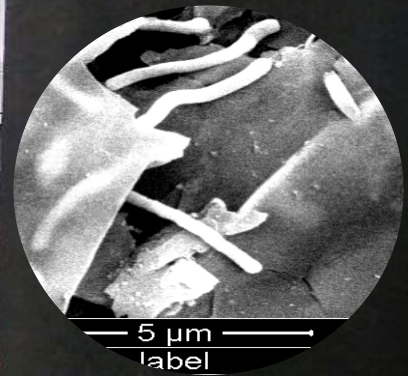
microbes



microbes



microbes



Qvidja Kraft's  
reactors



**Novel technology makes  
it possible to rethink  
the biogas:**

**Power to gas: storage is the key**  
**=biomethanation**

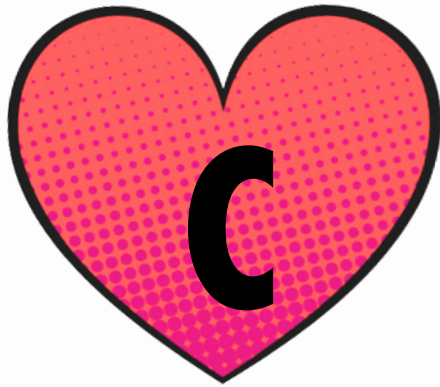


**supply and  
demand must be  
equal at any given moment**

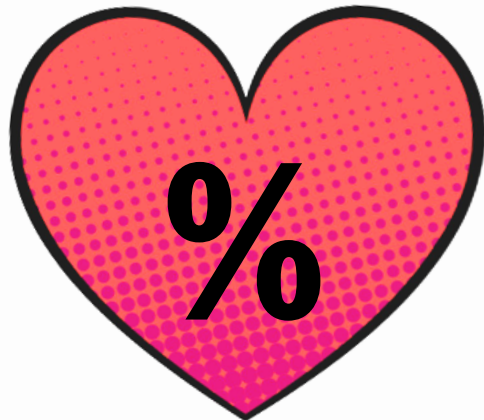
# After biomethanation whatever is needed



# **Biomass: emphasis always on**



## **Carbon balance**



## **efficiency**