

# WA3RM's business model for best sustainability impact

Industrial Symbiosis: business enablers and technology drivers







# The Regenergy Frövi project is a 36-ha site for industrial symbiosis with BillerudKorsnäs with a budget of €38m



#### Frövi site, Sweden:

- 36 ha construction site available for prawn production & greenhouse
- Local plan approved for industrial use, building permit expected in Q4 2021
- Investment budget €38m

- Greenhouse (10 ha)
- Shellfish farm (10 ha)
- Heat recycling
- CO<sub>2</sub> recycling





#### **Industry Partner**:

BillederudKorsnäs AB (Frövi site)

- One of Europe's largest producers of renewable packaging for food & beverage industry
- Pulp production >470,000 tons / year
- The mill has existed since the late 1800's
- The Company employs approx. 640 people

### CORALIS

Regenergy projects implement WA3RM's 6-winner partnership business model that aligns interests and enables best-in-class contributions

6

# **Operation partner**

WA3RM's seeks local partners to operate and maintained shared facilities



- WA3RM scouts waste-to-X opportunities qualified in a business case for each market
- WA3RM is an *intregration innovator* 
   working across sectors e.g. low-grade waste heat to food



WA3RM's local team leads construction







#### **Anchor industries (2)**

WA3RM qualifies waste streams, sites and industry partners, securing access to waste resources and site

## Finance partners (5)

WA3RM fund provides investment opportunities and links financing to projects



# **Operator partners (2)**

Attractive business case to recruit best-inclass partners to operate waste-to-x businesses. Operator partners input the design requirements necessary for maximum value creation.









# The partnership business model is the most sustainable, because it allows each partner to perform best

- Recycling energy, potentially several times, is an easy path to reduced climate damage
- Industrial symbiosis provides a lasting change (20 years calculated at Frövi)
- Making use of low-grade heat (40-50°C) allows for great impact
- Industrial scale is needed to achieve climate goals
- The *Integrator* WA3RM specializes in project development
- The *Operators* of facilities using waste heat excel at their business, thus getting the most out of resources
- The *Financiers* are best at allocating capital
- The *Anchor Industry* remains focused on their core business