

TRANSITION TO CE / INDUSTRIAL Symbiosis

①

COMPANIES TO GROW/CREATE

DIGITAL INDUSTRY

WASTE STREAM

- SHARING ECONOMY
- ALTERNATIVE FUEL

BUSINESS OPPORTUNITIES

SERVICE / REPAIR
Facilitator in
AGRICULTURE / Subproduct

- WASTE STREAM
- IND. SYMBIOSIS
 - WASTE HEAT
 - BY PRODUCTS

GREEN JOBS

- INT ORG - GOV.
- Immigrants
- Schools
- Industries
- ~~Streets~~
- Green tourism

②

What type of Companies will grow / be created?

SOLUTIONS

- Companies who sell FUNCTIONS instead of PRODUCTS
- intermediary companies to process waste; info to bridge technological gaps (facilitators)
- platforms to share stuff
- connect ppe (eg. food waste)
- formal + informal education facilities → awareness raising

5)

What business opps can you see in reg rh?

1. Importance of understanding resources that exist in region.
2. Regions are v. different.
3. What businesses are already there? What are the key priorities / sectors?
4. Maximise waste streams - how can regulation / deregulation help.
5. Put actors / businesses in adjoining industrial areas in contact with each other - they might not know opportunities. Don't know how / if links can be made / what they are.

⑤

③

GREEN JOBS

- social enterprises
- developers, start-ups (APPS etc)
- TECHNIKA WORKSHOP → teach people how to fix stuff
- BIKE KITCHEN → fixing bikes
- tech. development for problematic materials
- awareness raising
- design for remanufacture

⑤

What role should different actors play?

1. Importance of sharing ideas and good practice.
2. Local governments can support change + help gather data from citizens
3. Support / incubation activity - freedom to try new things
4. Role of regulation - "stick" as well as "carrot"
5. Local / regional actors can act as facilitators
6. Industry and business needs to be central to discussion.
7. Research and innovation - can bring new ideas to business + how things can be reused.
8. All actors need to join up in a more consistent way.
9. Hold workshops / events to bring the different actors together.

(5)

Change Mindset
leaders
Consultants

"MATCHMAKERS"
SYNERGY CO
helping other
companies

Mowing
Service
CAMPUS

education program
on O E
start with the
children

C.E.-consultants
who can assist SMEs
with new business models

all sectors of business
can create new jobs by
the help of C.E.-

-C.E. is part of business
development

-C.E. is good business

Energy consumption
"Consult"

(behaviour "watcher")

Furniture
IKEA-Repair

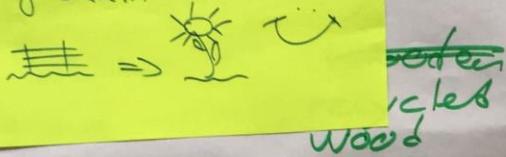
Housing-sector
Renewal towards
Sustainable Solutions
(energy efficiency)

- repairing business
- fostering services rather than investments ("drift")
 - co-ownership
- improvement of waste management → improving waste collection
- (• taxation → change)
- infrastructure needs to be improved
- Software sector
- construction industry (resusage)

(L)

~~Food waste~~
Restaurants → Agriculture
Tuna as manure

- Reduce the waste amounts by selecting biowaste from the source.
- Composting the solution from your garden...



① Avoidance of food waste

- improved ways of food sharing necessary
- reduces the amount of organic waste ~~that needs to be~~ in general

① Use low temperature district heat to heat/use to fish plant

① FORESTRY WASTE
→ GLASS PRODUCTION
RECYCLING GLASS

② GAS INDUSTRY

WASTE COLLECTION ON DEMAND

- Customers demand collection when their containers are full
- Reduces collection times
- Improves logistics
- Effective planning
- Eco-friendly waste collection
↳ cost reduction

Social bus
extract ~~metal~~ ^{energy} from disposed electric equipment, as a start more possible

① Aquaponic (fishplants)

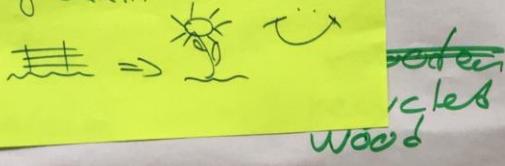
② ALTERNATIVE ENERGY SUPPLIES

③ food industry

Removing power cables from pylons (unsightly, heating the atmosphere...) by 'undergrounding' cables, capturing waste heat & using it for small rural (probably agricultural) business opportunities
- multiple benefits

~~Food waste~~
Restaurants → Agriculture
~~Tourism manure~~

- Reduce the waste amounts by selecting biowaste from the source.
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oils
lives benefits
water
soil
recycled
wood

- Avoidance of food waste ①
- improved ways of food sharing necessary
 - reduces the amount of organic waste ~~that needs to be~~ in general

① Use Low temperature district heat to heat/use to fish plant

X
① FORESTRY WASTE → GLASS PRODUCTION
RECYCLING 90%
② GRS INDUSTRY ↗ B

WASTE COLLECTION ON DEMAND ①

- Customers demand collection when their containers are full
- Reduces collection times
- Improves logistics
- Effective planning
- Eco-friendly waste collection
↳ cost reduction

Social bus
extract metal ^{again} from disposed electric equipment, as a start more possible

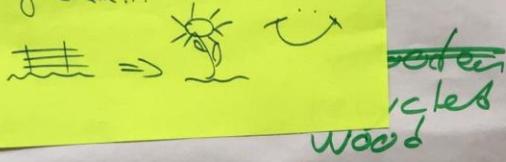
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G2/Q1

① The government encourages entrepreneurship for youth who focus on and they pay more
3R.

Zerago
No one said
nothing on the
street

Transition in
the agricultural
business
restoring consumer-
producer relations

Knowing
~~new~~ new citizens
• integrate
• learn from their
knowledge / needs

— Create conditions so that people can do what they are good at rather than what the established system of employment demands

— Create conditions for Peer-to-peer transactions

Create value from waste

Market transparency!
fuels!

Peer to peer
companies
→ eye for location

Collaborative
knowledge.

Recycle
rubbish
in China.

road constructions
↳ with the use
of biomass
such as straw

digital platforms
↳ (Tsector)
share information
to help recycle
waste

efficient
Energy use
↳ light is
switched on
all the time

companier focus on
common goods
welfare (human
capital)

business opportunities
- cradle to cradle
- modularity
(phone blocks)

- heating from
paper industry
- glass masses
used in restaurants
for cooking, etc.

G2/Q2

② Only corporations
who are ready
to work together
will survive

Government-supported
recycling companies

③ ~~reducing~~
Public ~~transportation~~
new energy
transportation

paper industries
glas industry

Knabberg

Service
HR
Health

growing companies
service companies
companies that
focus on sharing

hand car wash
↳ steam
instead of
water
↳
reduced use of
water!

④
agriculture.
↓
Food industry

LINKED
WITH

The waste
industry

Architecture
- landscape.
(material base)

Transportation
- infrastructure

E2/Q3

Kronoberg

- Meat production → ~~forest~~
- Forest
- University - knowledge
- Transport
- Nature countryside more popular

Urban
Crowded
Cities in an
neverending
development

green jobs

- manual work
(repair)

G2/Q4

Government has to facilitate and support by giving space and responsibility back to people and entrepreneurs

Rules solves the problems of yesterday and makes innovation and change difficult

Government: Don't stand in the way