

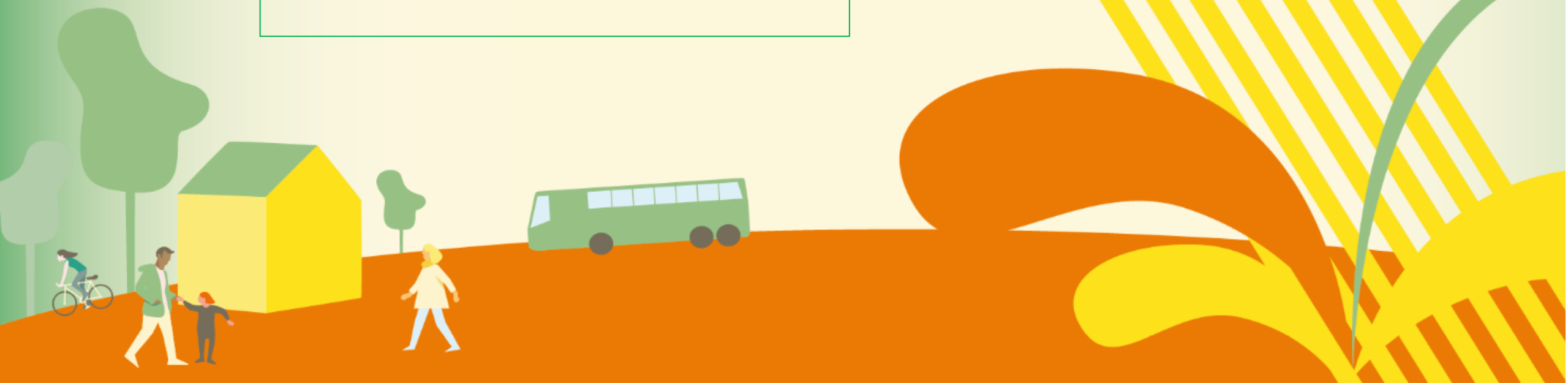
Update from Kronoberg Sweden

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European Union
European Regional
Development Fund



TRIS, Policy addressed

ERDF: Småland and islands



- 4 separate elected and governed regions form the ERDF program area *Småland and island*
- Program set by a **partnership** with 23 members representing:
 1. Political level
Regions and Municipalities
 2. Managing authorities
 3. Civil society
Business and labour representatives,
University, NGOs
- Partnership decide on funding priorities and approval of project applications

18th EUROPEAN WEEK of REGIONS and CITIES

05>09 OCTOBER 2020

12>16 OCTOBER 2020

19>22 OCTOBER 2020

Focus on Kronoberg (1 out of 4 Regions)



Facts:

- 9,500 km²
- more than 350 lakes
- 78% of the area is forest
- 200 000 inhabitants
- Västervik is the county town



European Committee
of the Regions



Actions - Criterias

1. Interregionality

i.e. which good practice or lesson learned from a TRIS partner region inspired the definition of the action?

2. Additionality

i.e. is it clear that this action would not have taken place without TRIS through existing projects and operations at regional level?

3. Policy Relevance

i.e. how will this action improve the policy instrument listed in the application form? (i.e.
a. new projects funded,
b. improved governance of that policy instrument,
c. change in strategic focus)

4. Implementation-focused

i.e. going beyond policy learning and networking activities

Action 1. GreenAct Kronoberg (GA)

- **Background**

GA is a cooperation forum for regional actors established in 2016 to harmonize policies, actions and funding reaching regional environment goals.

- Led by the County Administrative Board

- **Action**

Through the TRIS-project, a thematic group within GA on Circular economy was formed.

Status

- GA is involved in updating the Regional environmental goals.
 - Hopefully include circular economy
 - Implement during 2021
- Active network with Climate and energy strategists in all municipalities
- ❖ Unclear future of GreenAct due to funding. Will maybe be restructured.

Spin off

- Sustainable Buildings
 - Construction (wood house building)
 - Building Waste (minimise, reuse centers etc)



Action 2. CRKKL project (ERDF-funded)

- **Background**

Knowledge on CE and IS is lacking among both authorities and SMEs in Kronoberg. In the Regional development plan CE is highlighted as a success factor for sustainable development.

- **Action**

A new project on CE targeting ERDF has been developed and approved. The Regional Council was responsible for the application.



**Circular Economy in
Kronoberg and Kalmar
County**

Status

- CRKKL project 2018 - ends in June 2021
- Final conference in March 2021
- Research Tools and papers
- Increased knowledge through 20+ seminars/workshops/Hackathons
- Individual coaching for SMEs and municipalities
- Ongoing Exit process to define a continuation

Spin offs

- Industrial Symbiosis project on water use (reuse)

Action 3. Fish farming plant



- **Background**

Waste heat can be used when farming vegetables and tropical fish. Growing vegetables in symbiosis with fish farming gives a potential to create sustainable circular food production with little or no waste. No fish farm exist in Kronoberg.

- **Action**

Inspired by a TRIS seminar local actors performed a pre-study on fish farming. TRIS stakeholder RefarmLinné are actively supporting fish farming initiatives and aim to see one started in Kronoberg

Status

- Still no Fish farming plant (FFP) in Kronoberg
 - **Covid-19** has complicated/delayed the process
- A company “Gårdsfisk” has developed a “Franchise” concept to ease the process for new producers.
- Barriers:
 - Who will buy the fish?
 - Risk with Industrial Symbiosis
 - Availability of residual heat at suitable locations (tropical fish) – missing
 - IS - food supplier closed causing fish farming also to close

Action 4. Sustainable Aviation Fuel (SAF) from forest waste

- **Background**

There is a market for production of renewable jet fuel (RJF) from forest waste. The regional airport is today not using renewable jet fuel since it cost four times fossil fuel. Today almost all RJF is made in California and shipped to users globally.

- **Action**

Energikontoret has initiated discussions that has led to a project financed by Swedish Energy Agency. The project did investigate the potential for producing SAF regionally.

Status

- Study on potential presented May 2020
 - <https://www.youtube.com/watch?v=EaJYfg74rcM&feature=youtu.be>
 - Yes!
SAF can be produced in southeast Sweden
 - Technology review and rough cost estimate
 - Two example sites in the region investigated:
 - District Heat power plant
 - Pulp mill industry
- No investment decisions for production yet



TRIS Impact



Projects – Industrial symbiosis

- Prestudy – Aquaponic Fish farming
- CRKKL
- Prestudy – Green Hydrogen
- Feasibility study - Green jet fuel

Awareness

- TRIS has made Industrial symbiosis known as concept.

Funding

- ERDF
470 k€
- National
970 k€

ERDF: Next program period 2021 - 2027

- EU have set the framework
 - Budget (-8%)
- National guidelines
- Regional
 - Program for Småland and islands
 - Priorities:

Final details / texts in next program not known today

Greener Europe (PO2)

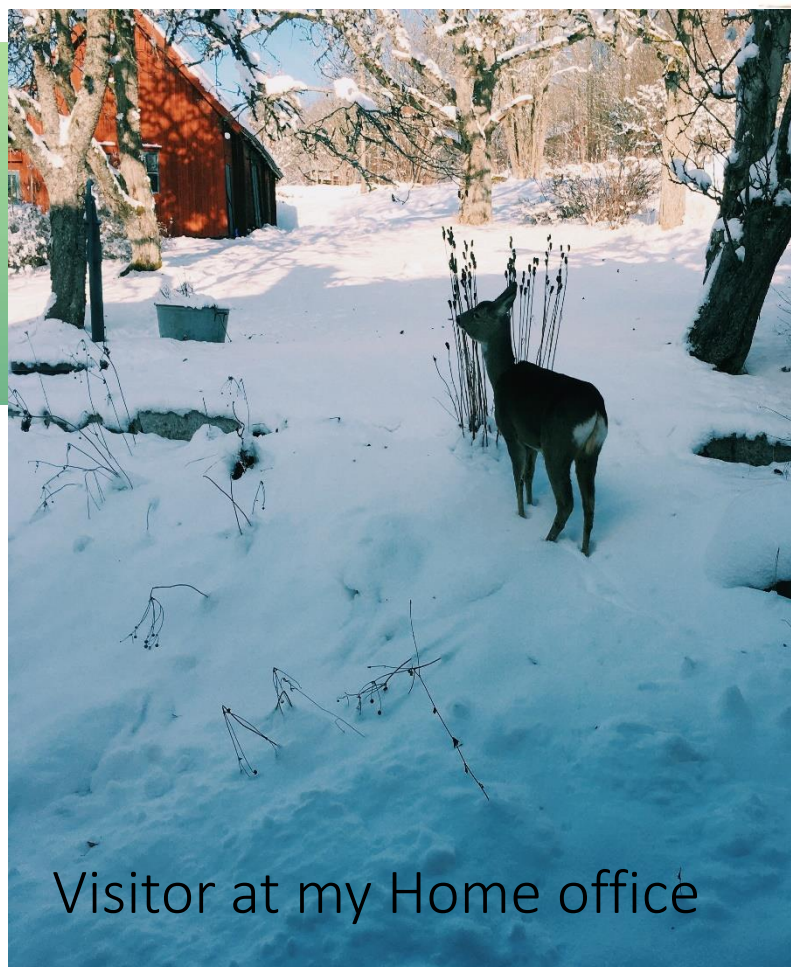
- Energy efficiency
- Renewables
- Climate adaption
- Environmental protection
- Technology

- Promoting renewable energy
- Developing smart energy systems, grids and storage at local level
- Promoting sustainable water management
- **Promoting the transition to a circular economy**
- Enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution



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Thank you!



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