

How could a Nordic clearing-system work?

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Retpack Solutions

Retpack Solutions has developed a flexible and adjustable supervision system for the deposit able product for the beverage production industry

The system can also be used for other recyclable materials and for recycling systems for materials that are comprised by producer responsibility.

The product is patented in Finland (FI 117428) and has a patent pending in Europe, Norway, Russia and China.

While the copyright request was considered, the world market was examined and the outcome was:

-There is no similar system and during the two year handling there were no objections made.

Jara Optimax

The system is called Jara Optimax and the first version is produced to facilitate information from reverse vending machines.

The information is delivered in a modified way in line with the specific Needs/ requirements by government authorities, breweries, shops and different organizations of trade.

There are many advantages with a centralized system.

Through increased control and safety, Jara Optimax gives computable environmental- and efficiency gains within the existing recycling system.

Background

The report from the National Board of Trade from 2004 “Samordna returssystemen för dryckesförpackningar inom EU/EES” gave us an incentive to examine the advantages with a Nordic clearing system.

Retpack's product turned out to function as a platform for a development of a Nordic clearing system.

Retpack offers its system and knowledge in order to closer investigate the prerequisites to form a common structure.

Nordic recycling systems

The turnover of the Finish recycling system's is circa 700 million Euros. For the other Nordic countries the number is roughly the same.

About one third of the turnover is made up of products that may be transnational.

Even the smallest percentage gain in efficiency will give great effects both nationally and at a Nordic level.

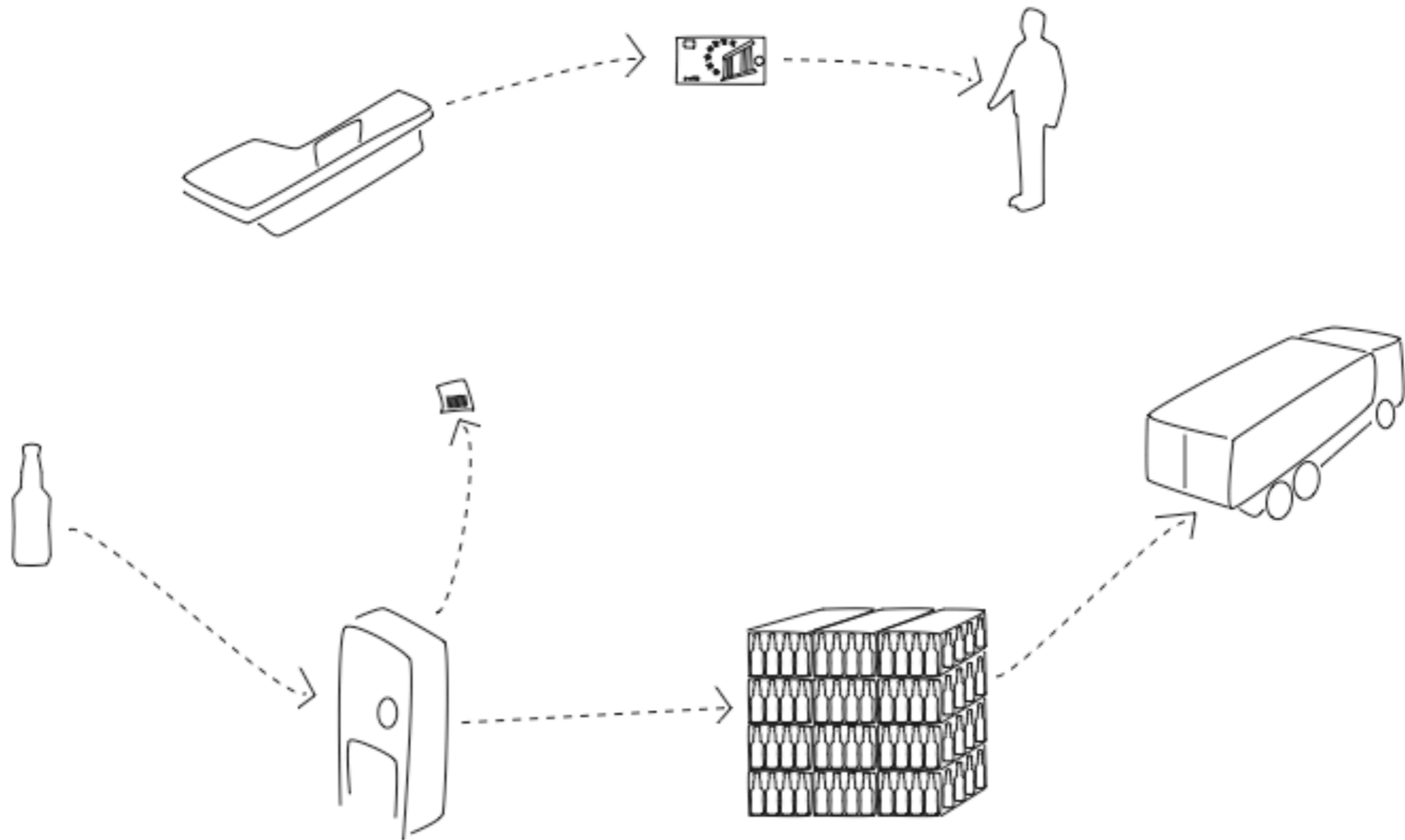
Nordic recycling systems

The transnational trade with various beverages could increase.

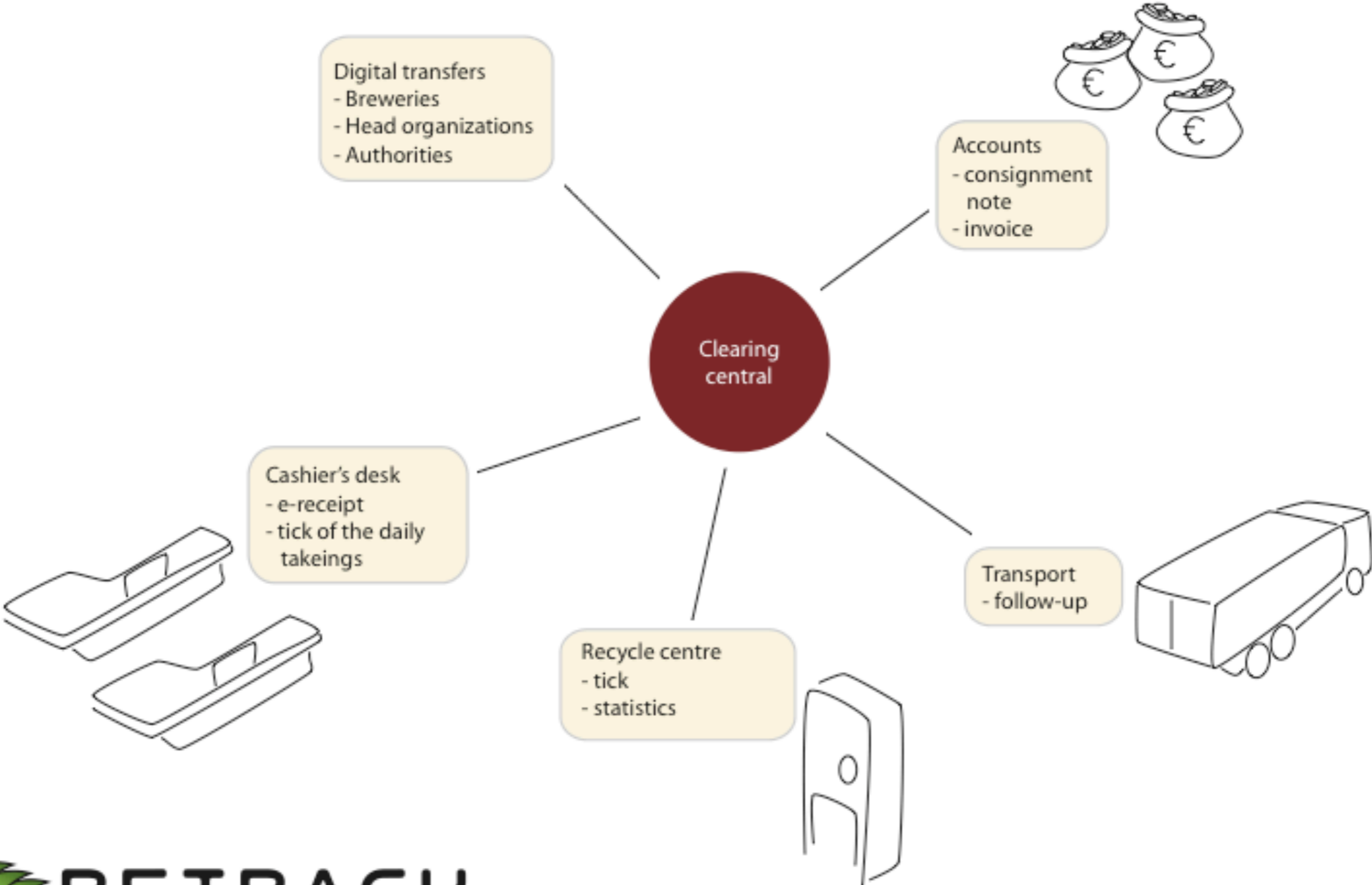
What is lacking is regulations concerning deposits and materials.

The report by the National Board of Trade illustrated the impediments within the national recycling systems that hinder free trade within the Nordic and European trade area.

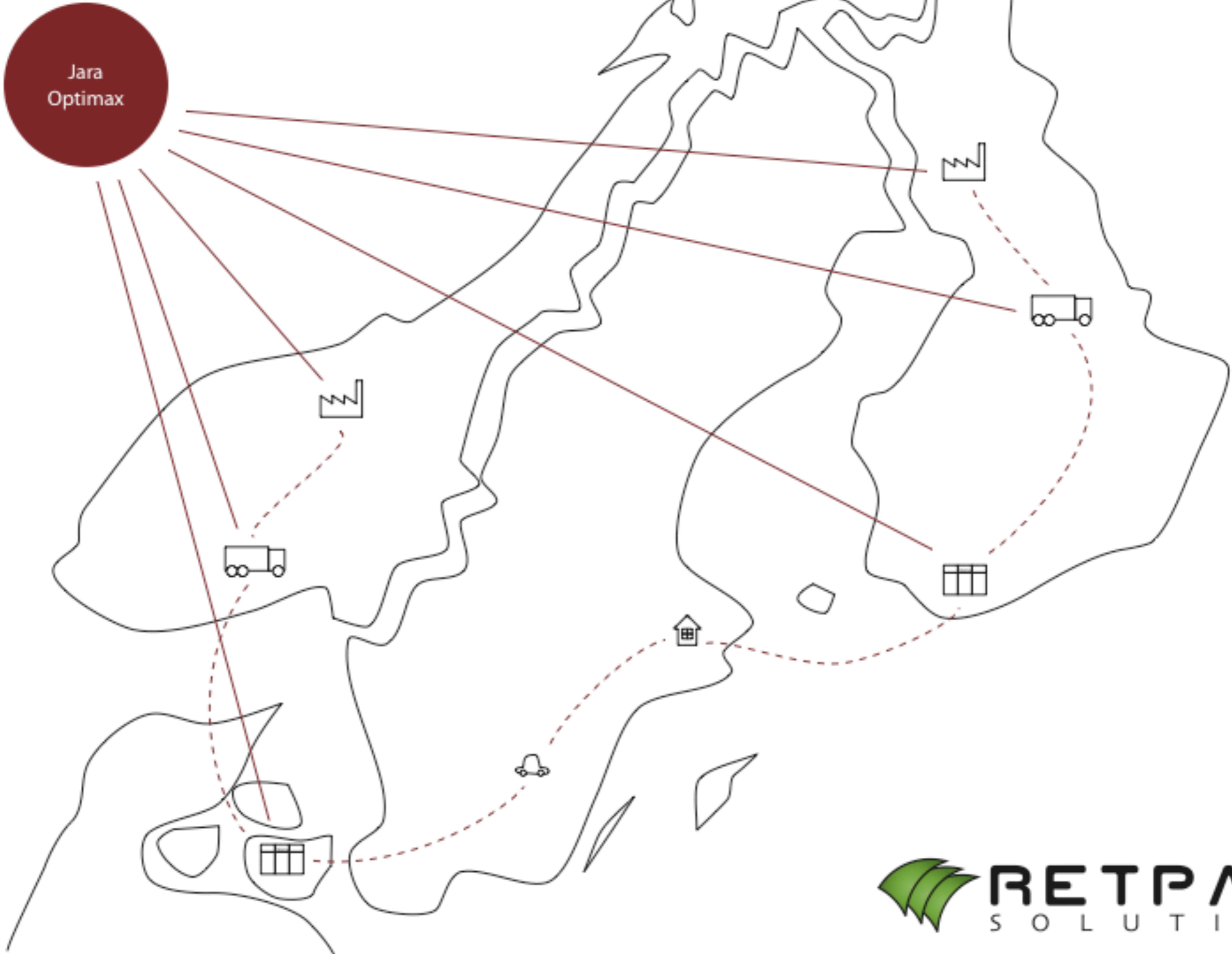
Flow of materials and cash on a national level



Jara Optimax operating on a national level



Nordic clearing system



Step 1 Analysing the existing national systems in order to
define the data needed for new common platform.

Step 2 Coordinating and modifying the national systems to a
nordic clearing system.

Benefit: Clearing of deposits and material between the nordic
countries.
Environmental. Larger proportion of packages recycled or
reused when deposit can be returned to the consumers.

Challenges: Currency issues
Legislative issues as vat included in deposit on returned
packages.
How to adapt the system to IAS/IFRS rules.
Who will be in charge of the system?

Step 3 Creating a Nordic recycling system

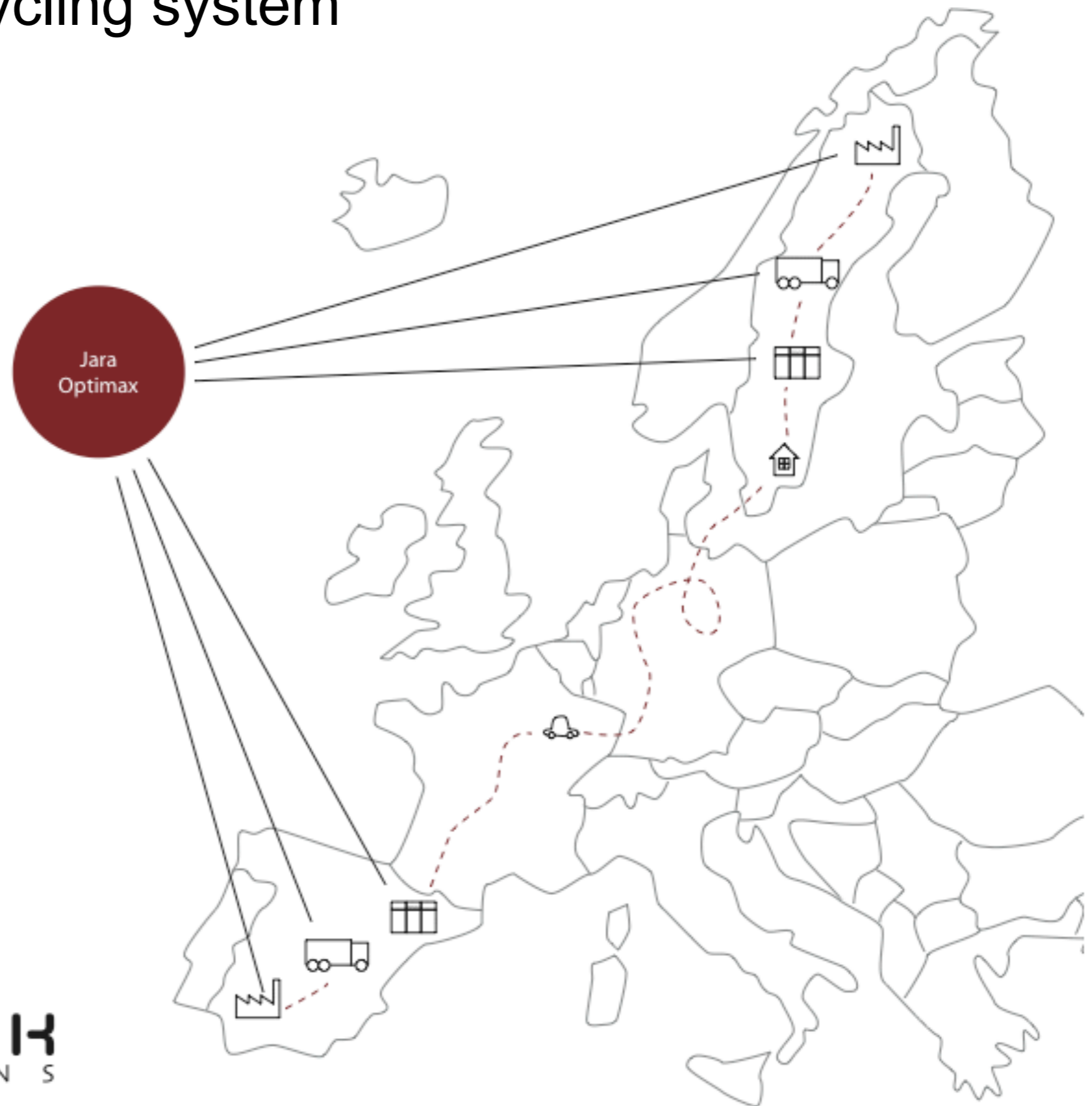
Benefits: Promotes free trade. Easier access for producers to nordic market.
Synergyeffects in production.

Challenges: Administration?
Costs?
Coordinating time plan.

Step 4 European clearingsystem for deposits and materials.

Step 5 European system for recycling beverage packages.

European recycling system



Conclusion

Jara Optimax offers solutions to many of the problems experienced today within the national recycling systems.

Jara Optimax is developed to coordinate the information that is provided by existing suppliers of software and hardware within the Nordic deposit and return systems.

Conclusion

Jara Optimax can be expanded and modified according to the requirements of the industry and the extension can be opened up for competition and offered to suppliers of IT systems.

We suggest, as a first step, to create a Nordic project that during 2009 will deliver a detailed analysis of the conditions for a Nordic clearing system.



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