

## Exercise IVa: Socioeconomic Sensitivity

The main focus in our conversation was how to maintain Central Finland's competitiveness and how and where people is going to live in the near future. Most important issue from our TA's point of view is the condition of the roads and railway systems to ensure people an opportunity to live where they want to live. It is not a sustainable way to guide people about where they should live; people should have some freedom to choose themselves. Some "natural guidance" has already happened; most housing has been centralized nearby the largest roads and other traffic routes.

A big challenge is how to maintain the countryside inhabited in the future. We need farming and other production in the countryside, but there is not enough work for everyone. That's why so many have to move into the centres and that's why there won't be enough volume for all necessary services outside city centres. How can we find the balance between migration, employment and public services?

The main climate impacts are those that influence on the infrastructure, more precipitation, more extreme weather conditions and changes in temperatures. Also the agriculture is influenced by the changes of crop productivity and warming of the water (fishing etc.).

### Traffic:

Our group was very worried about Central Finland's road network and it's present condition and also the future as well. The roads are already in poor condition outside the main road network and the condition is decreasing. Because Finland has a comprehensive road network, it is also very expensive to maintain it. When the weather is changing and humidity and precipitation is increasing the maintenance of the roads becomes more difficult and more money and time consuming than it has been ever before.

The condition of road and railway network is also crucial task on our TA's development in the energy sector. We want to produce all kind of bio fuels (wood, peat, crop), but we need to have good enough road network for transportation. This is also important when preventing migration from the countryside.

### Housing:

As it's been said for many times already the infrastructure is a crucial point in our TA. Furthermore the changes in weather conditions will also effect on our buildings. The quality of buildings has already cause some major problems in our TA (some schools has been demolished etc.). The energy efficiency might bring some more jobs to our TA, but mainly it was a trivial task in our conversation.

CENTRAL FINLAND	STRESSORS, not only climate stressors	EXTREME CLIMATE IMPACTS
Scattered spatial structure	The condition of all infrastructure	Total precipitation, changes in temperatures
Need for services and locomotion has increased	The condition of roads	Total precipitation, changes in temperatures
Ensure services to all	Services on wheels (e.g. medical bus) versus property maintenance costs	Total precipitation, changes in temperature, duration of snow cover
Bio fuels	Peat as one of the bio fuels is very important for Central Finland, employment and new business	Total precipitation, periods with heavy rains, duration of vegetation period, changes in crop productivity
Production and manufacturing is moving out from Central Finland	Migration, the industry relies on export	
<b>TRAFFIC:</b>		
Declining of local road and railway network	Less and less customers on railways, more private cars, increase in pollution	Changes in temperatures, Periods with heavy rains, Duration on the snow cover
Public transportation and light traffic (pedestrian, cycles)	Less users because of the poor condition of the light traffic routes	Changes in temperatures, Periods with heavy rains, Duration on the snow cover
New services on wheels	The condition of roads	Changes in temperatures, Periods with heavy rains, Duration on the snow cover
<b>HOUSING</b>		
Living in the villages	How to make sure that it is possible to live in villages, housing is centred near by road and railway network	All the impacts which will have an effect on infrastructure
35 000 new inhabitants into Jyväskylä Region in the next 30 years	Less people in the countryside, less farming, less services, less everything	
Extreme weather condition's impact on buildings	Quality of building, problems with mould	Increase in total precipitation and humidity, changes in temperatures, heavy rains
Renovation and building new buildings, energy efficiency	Quality of building	Increase in total precipitation, changes in temperatures, duration of the snow cover