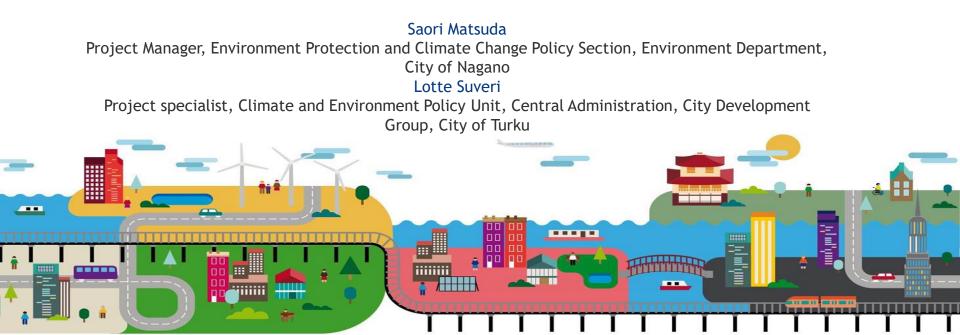




Programme

### International Urban Cooperation Turku, Nagano City, Obuse Town

#### Integration of urban-rural circular economy in food-water-energy nexus



### IUC city pairing, as of November 2020





International Urban Co-operation, 6th Exchange meeting of the EU and Japanese Cities 24th November 2020





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# Main activities

- Visit to Turku (Nov 2019)
- Webinars (summer/autumn 2020)
- Twinning campaign / Future cooperation (Nov 2020 Feb 2021)





Nagano and Obuse visiting Turku Nov 2019





#### 1st learning exchange in Turku 13th to 15th November 2019

Getting to know circular solutions in the Turku region

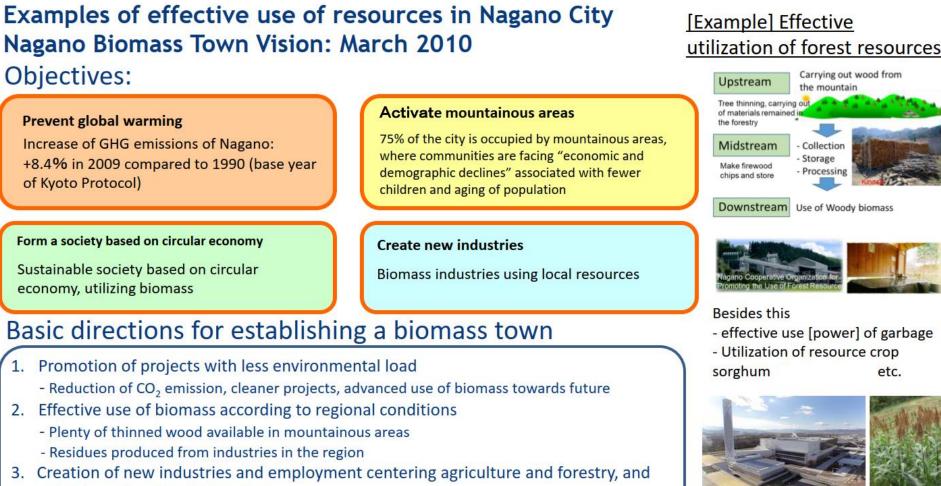
- Cities' climate and sustainability policies
- Circular waste water treatment plant in Turku
- Textile recycling and circular economy hubs
- Renewable district heating and the multi-fuel power plant
- Finnish archipelago and medieval surroundings

#### [What we learned]

•The city of Turku has incorporated the idea of a "circular economy" into each measure toward the realization of a sustainable society, including measures against global warming.

•We was able to learn about initiatives such as "Effective use of everything as a resource" at various sites.





activation of mountainous areas

- Woody biomass, wasted mushroom bed (woods, sawdust, etc.), etc.

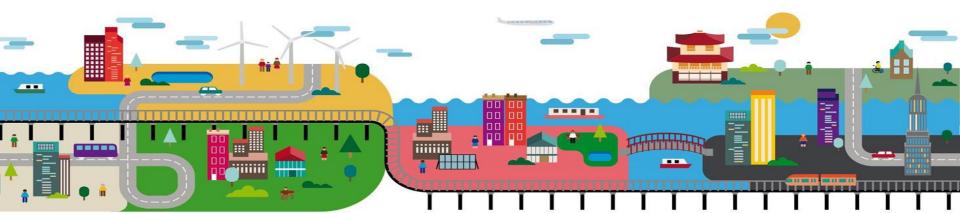




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# Webinar series on circular economy and climate

During summer and autumn 2020



#### Webinar

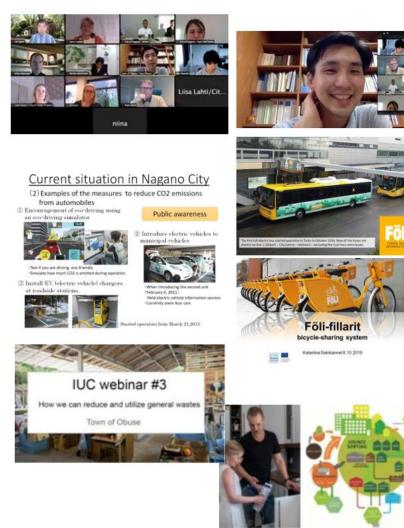
 In May 2020, a delegation from Turku City was scheduled to visit Obuse Town, Nagano City.

 However, due to the influence of COVID-19, we have not been able to make a visit, and we have no plans for the future.

 Under such circumstances, we continue to learn about global warming countermeasures and efforts related to the circular economy through the WEB.

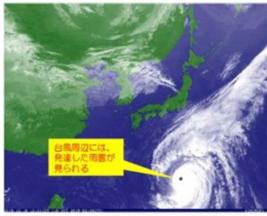
#### [Theme proposal from Nagano and Obuse]

- Global warming countermeasures related to the transportation sector
- •How we can reduce and utilize general wastes



## Background of the topic proposal of Nagano and Obuse Damaged by great Typhoon in 2019

- Nagano city and Obuse town were hit by Typhoon on October 13, 2019.
- Thousands of houses were damaged due to flood.
- Citizens getting more concerned about climate change and its affect to our daily lives.



10月10日12時00分衛星画像(赤外)





#### Nagano City Global Warming Prevention Countermeasures Promotion Plan, 2017-2050

[GHGs Reduction Targets]

	Japan	Nagano Prefecture	Nagano City
Year	May 2016	February 2013	April 2017
Base Year	FY 2013	FY 1990	FY 2005
Reduction Target	【Short-term】 FY 2020 (-3.8%) ※1 【Medium-term】 FY 2030 (-26%) ※2 【Long-term】 FY 2050 (-80%) ※3	<pre>[Short-term] FY 2020 (-10%) [Medium-term] FY 2030 (-30%) [Long-term] FY 2050 (-80%)</pre>	[Short-term] 2021 (-21%) [Medium-term] 2030 (-30%) [Long-term] 2050 (-80%)
	GHG emissions per person (2012) ※population data : Oct 2012		ta:Oct 2012
	10.9 ton	7.5 ton	5.3 ton

2021 • Performance evaluation of short-term goals • Plan to be revised

Reflect the ideas gained from the exchange with the city of Turku in the measures to achieve the goal

※1 Base year for the short-term target is FY 2005 ※2 25.4% compared to FY2005 ※3 Base year is not specified

[Policy and countermeasures] 6 policies and 33 countermeasures

- P1. Effective use of renewable energy
- P2. Promotion of energy saving

P3. Improvement of walkable and livable environment

P4. Promotion of tree planting and mitigation of heat environment

P5. Promotion of low-carbon activities

P6. Adaptation to the effect of global warming

#### Webinar "Community resilience"

How to support the sense of community in the state of emergy, like extreme weather conditions due to climate change?

#### Turku's climate plan 2029:

#### 6.2 Adaptation measures

Turku will prepare for the identified risks and their effects, striving towards becoming a more climateproof city. This is partly fulfilled through already completed measures and plans. The most important entities in adaptation measures include:

Increasing information on climate Water management and building Safeguarding ecosystems Adaptation projects **Supporting a sense of community** 





(November 14, 2019

to February 16, 2020)

6,773 Removal of disaster wreckage that has flowed to apple fields and rice fields, removal of mud around fruit trees, etc.





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# **Future cooperation**



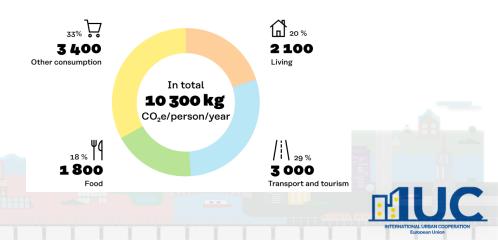
## Twinning campaign

- Promote circular economy and climate action in the everyday life of the citizens

- Applying circular economy principles to lifestyles (especially in areas such as housing, food, mobility and energy)



**CARBON FOOTPRINT OF THE AVERAGE FINN** 



https://www.turku.fi/en/news/2 020-10-29\_take-part-15-degreelife-video-competition

### **Future efforts**

#### [1.5 degree life campaign]

- We received a proposal from the city of Turku as an initiative for public enlightenment that is possible even with the corona vortex, and we have also started recruiting videos in Nagano city.
- We believe that this initiative will be a good opportunity for citizens to be aware of how much CO2 is emitted by their daily lives and consumption behavior.



#### https://www.city.nagano.nagano.jp/soshiki/kankyo/461130.html

- The first is to welcome the Turku City delegation to Obuse Town, Nagano City.
- Further discussions on "circular economy" when visiting.
- Continue interaction through webins and 1.5 degree life campaigns.

That is why we are challenging you to share your best climate tips through the magic of video





mb logo

