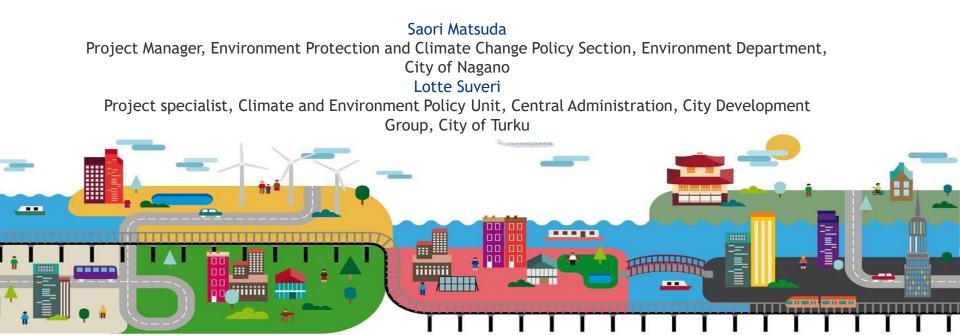




Programme

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

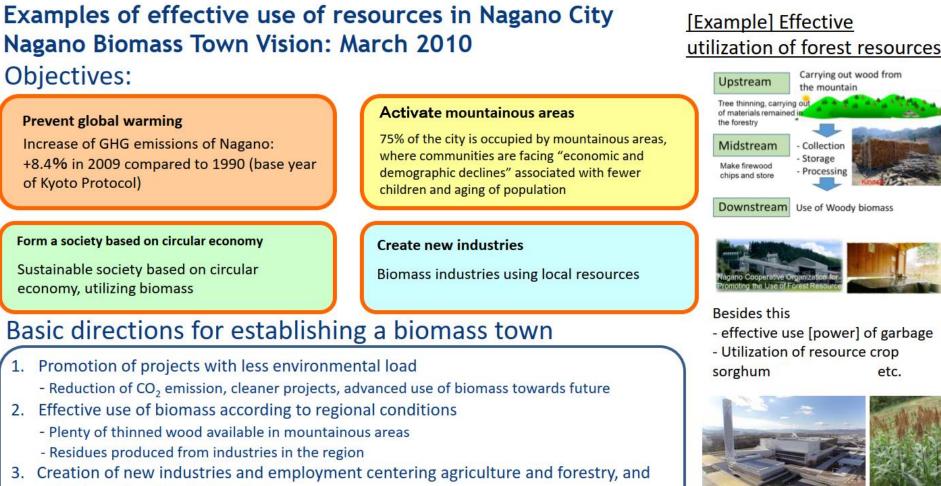
- Cities' climate and sustainability policies
- Circular waste water treatment plant in Turku
- Textile recycling and circular economy hubs
- Renewable district heating and the multi-fuel power plant
- Finnish archipelago and medieval surroundings

[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.

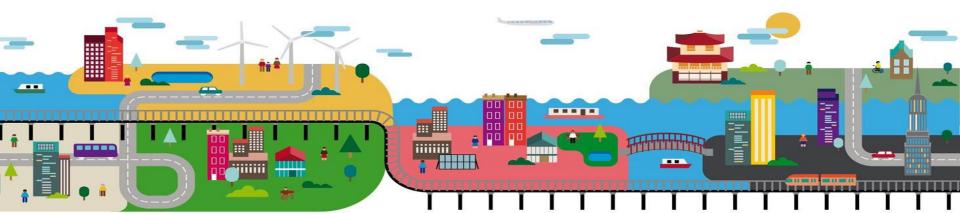




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Webinar series on circular economy and climate

During summer and autumn 2020



Webinar

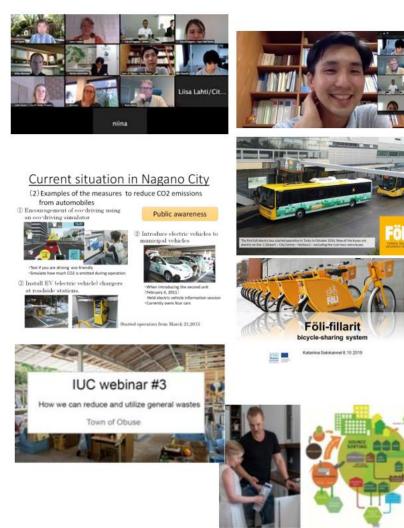
 In May 2020, a delegation from Turku City was scheduled to visit Obuse Town, Nagano City.

 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.

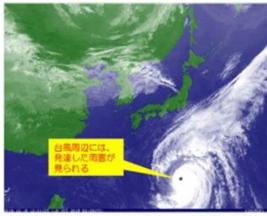
[Theme proposal from Nagano and Obuse]

- 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



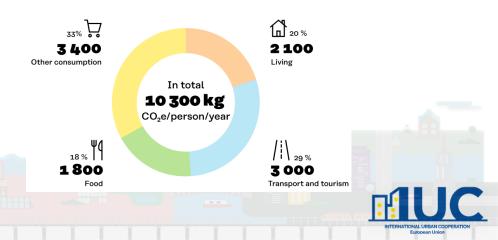
Twinning campaign

- 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

