



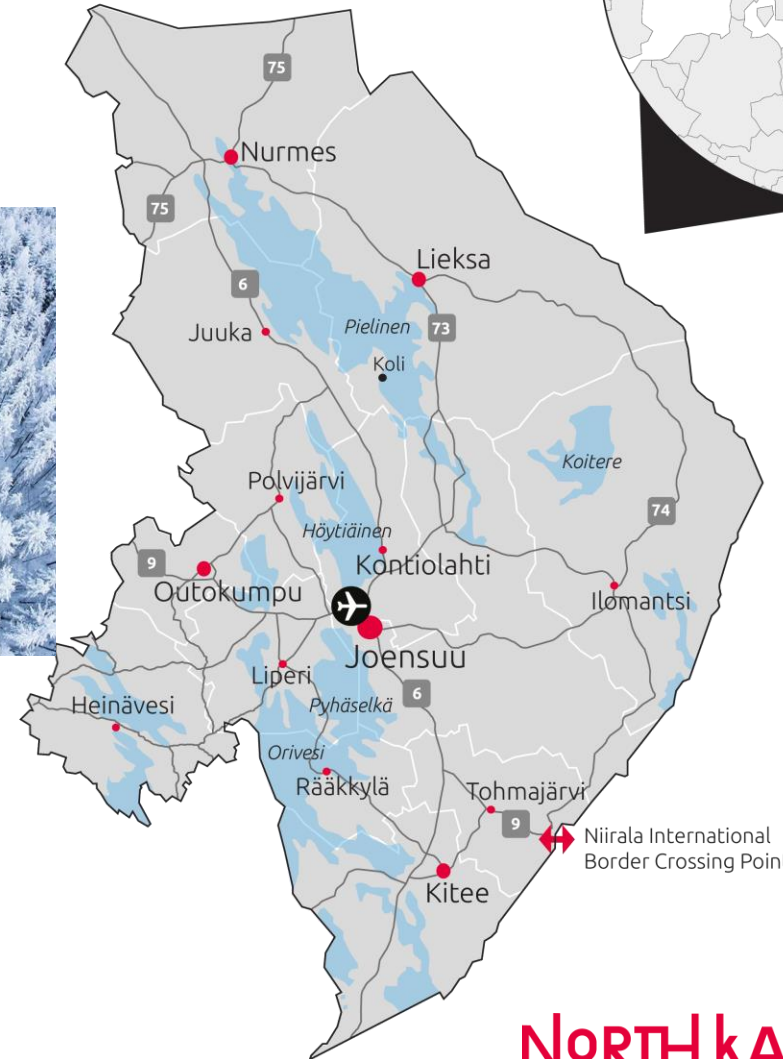
North Karelia Bioeconomy Cluster

EU-Japan Regional Cooperation Good Practises 17.12.2021

Risto Poutiainen
Deputy Region Mayor

NORTH KARELIA

North Karelia



NORTH KARELIA

Forest resources and expertise

89%

of total land area
covered by forests



Annual growth of forests

9.3 MIL M³



Annual usage of forests

5.9 MIL M³

500 companies,
turnover of
2 BILLION €



6000
employees

600
experts




NORTH KARELIA

Sustainable targets for 2030

100%
fossil oil free



 Share of renewable energy
in total consumption
100%

Net reduction of
greenhouse gases

80%

Bioeconomy
investments
turnover

2.7 BILLION €



NORTH KARELIA

Timeline of our strategic work

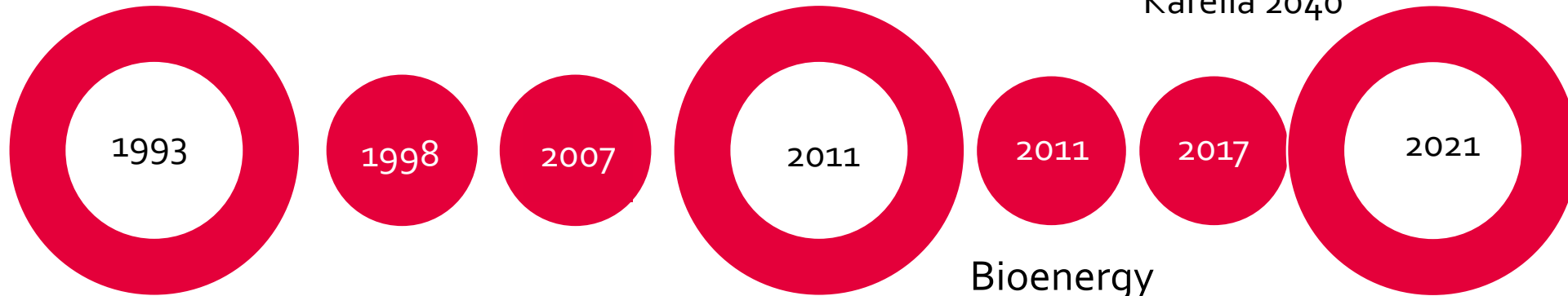


Wood Energy Programme for East Finland 2000

Bioenergy Programme of North Karelia 2015

Climate and Energy Programme of North Karelia 2020

Roadmap of Oil-free and Low Carbon North Karelia 2040



Bioenergy Strategy of North Karelia

Bioenergy Programme of East Finland 2020

Unique collaboration and expertise

- › European Forest Institute – EFI HQ
- › Natural Resources Institute Finland (Luke)
- › Finnish Forest Centre
- › University of Eastern Finland – UEF
- › Karelia University of Applied Sciences
- › Riveria Vocational Education & Training
- › Finnish Environment Institute (SYKE)
- › Business development: Joensuu Science Park, regional business development organisations

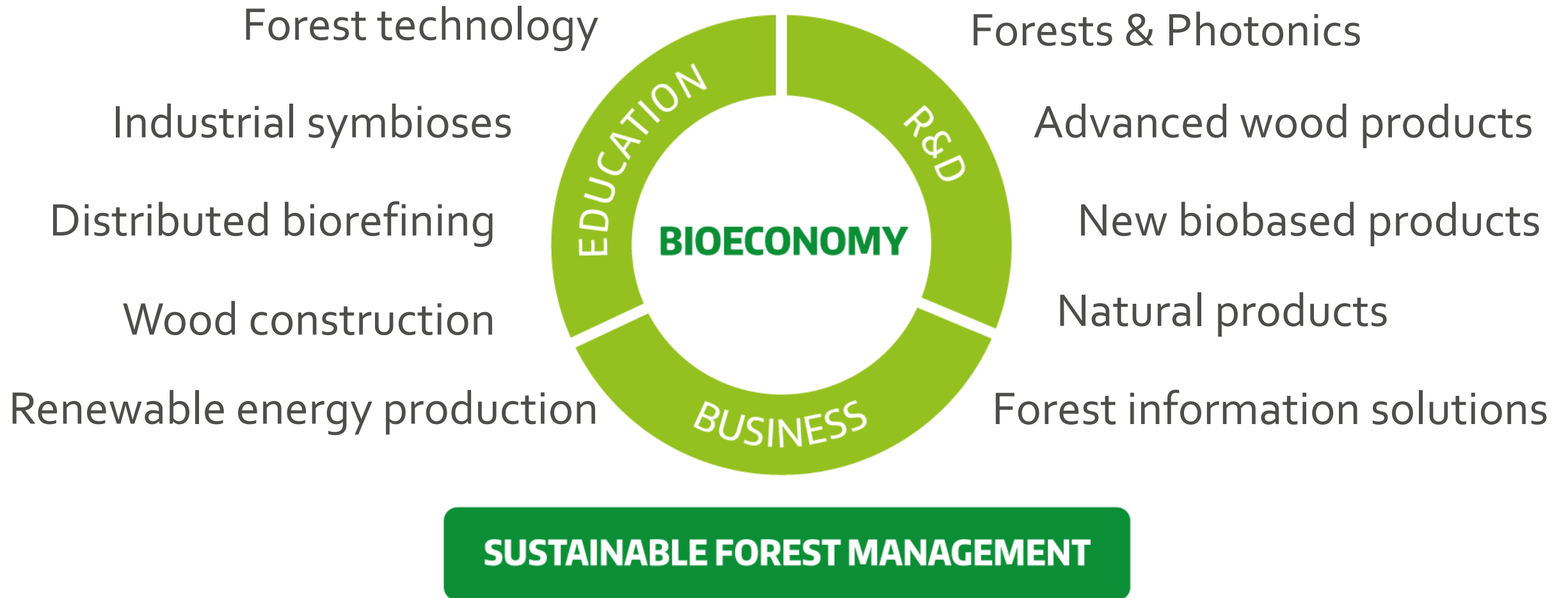
= the GreenHUB Team



Photo: Luke, Jussi Tiainen

NORTH KARELIA

Our circular forest bioeconomy cluster



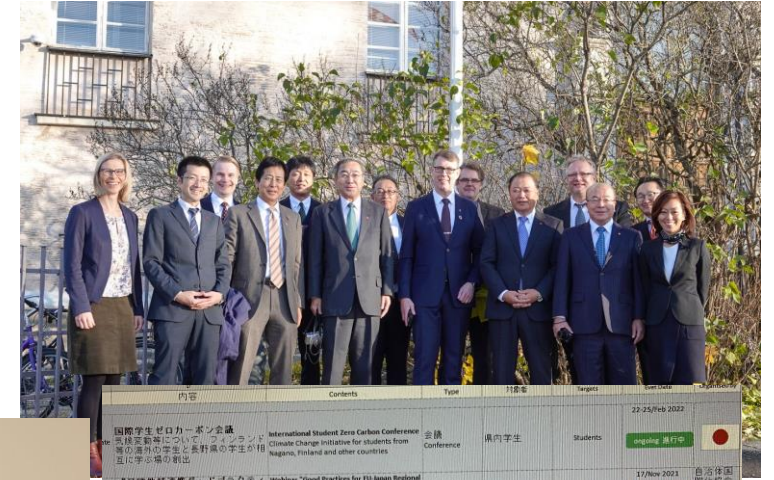
Case North Karelia – summary – key factors

- Long term strategical work
- Unique collaboration and expertise
- Sustainable use of our own natural resources
- Creating new and innovative solutions
- Strong will on regional level (incl. Political)
- Positive impacts to economy, environment, climate and balanced regional development
- Implement the global, EU and national targets

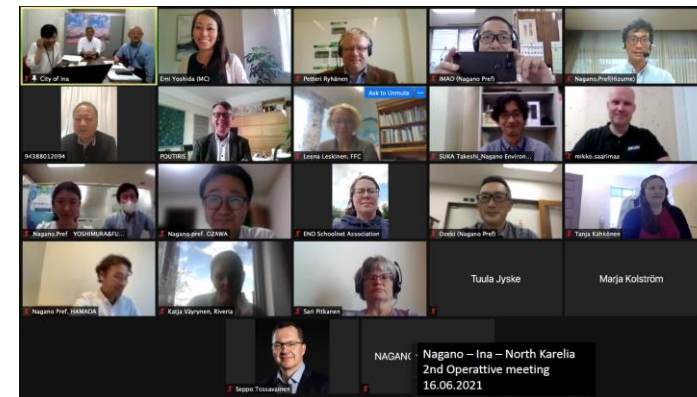


North Karelia – Nagano/Ina

- Started 10/2019 – Nagano/Ina – MoU signed in North Karelia
- Covid 19 cancelled physical meetings -> on line meetings : collaboration meetings 2020 (4) + Leaders meetings (1-2)
- Scheduled orientation
- Active actors (regional network, incl. Business)
- Participation to events (on line)
- Topics: forestation, education and forestry, UN SDG:s/ Climate



内容	Contents	Type	対象者	Target	進捗状況
国際学生ゼロカーボン会議 気候変動対策についてフィンランド等の海外の学生と長野県の学生が対話し学びの場を創出	International Student Zero Carbon Conference Climate Change Initiative for students from Nagano, Finland and other countries	会議	県内学生	Students	2021/04/2022 ongoing 進行中
日欧地域連携クラウドブラウディング 長野県とフィンランドの海外連携の取組	Webinar "Good Practices for EU-Japan Regional Cooperation" Cooperation between Nagano Prefecture and North Karelia (Finland)	セミナー	日本国内の自治体	Local authorities (JP)	17-Nov-2021 ongoing 進行中
紙本を使ったイノベーション学習	Innovation Camp using Kyndi	プロジェクト			ongoing 進行中
植物由来のプロダムの共同開発・研究 (アマノの多様活用)	Joint development and research of aromas of plant origin (Multiple use of Pinus densata)	プロジェクト			ongoing 進行中
存続市・ユネスコ市小学校オンライン連携	Sensu-shi School cooperation	プロジェクト			ongoing 進行中
クラウドキッチン（新素材を使った容器・包装材料）のプロジェクト紹介	Cloud Kitchen Containers and packaging made from new materials	プロジェクト			
県が2022年に策定する「森林づくり指針」の策定に向けた勉強会（北方林業の取組等紹介）	Internal Study Session for the Development of the "Forestry Guidelines" to be formulated by the Nagano Prefecture in 2022	勉強会	林研部職員	Personnel at the Forestry Department, Nagano Prefecture	within the year pending 予定済
フィンランドの林業教育についての紹介	Introduction on Forestry Education in Finland	セミナー	未定	TBD	Oct/Nov 2021 pending 予定済
森林情報システム・スマート林業に関する紹介	Introduction on Forest Information System/Forest Digitalisation	セミナー	未定	TBD	during the next visit pending 予定済
SDGs達成に向け先進的に取り組む企業の事例	Corporate Efforts to Achieve Sustainable Development Goals (SDGs) - case studies (2019 on how SDGs and climate change measures have led to the creation of new businesses)	セミナー	県企業等	Prefectural personnel etc.	TBD pending 予定済



An aerial photograph of a vast forest of evergreen trees, all heavily laden with snow. The perspective is from directly above, looking down on the dense canopy. The snow is bright white, contrasting with the dark green of the trees. The trees are packed closely together, creating a textured, repetitive pattern of white and green. The lighting is soft and even, suggesting a clear, bright day.

Thank You!

risto.poutiainen@pohjois-karjala.fi