## Engaging in networks and public private partnerships enhances response options!

- Networking with multiple partners of the same type, e.g., sawmills, can help decrease the risk of revenue loss by diversifying your customer base.
- Connecting with partners of multiple types, e.g., sawmills, pulp & paper mills, board mills, energy producers, can help reduce the disturbance induced stress by diversifying the product base.
- Collaborating proactively in participatory processes with different value chain stakeholders can improve collaboration in forest planning and policy.

## Working with research and forward-looking partners increases resilience!

- Actively participating in research and transfer of results that improve both forest productivity and adaptation to climate change can be beneficial for future planning.
- Selecting suppliers considering their adaptation plans and resilience strategies regarding climate change reduces risks, e.g. of market disruptions after disturbances.
- Contributing to forest information dissemination and education for consumers can help them consider benefits for forestry in their buying decision.

**Do you want to support our research and contribute to more resilient forest-based value chains?**
Please complete our survey!

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# RESONATE

## Resilient Forests for Society


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# Does your business rely on primary (e.g. wood logs) or secondary, already processed forest products?

If that is the case, you might already see your activities impacted by climate change and increasing forest disturbances, and/ or changing consumers' demands. In the RESONATE project, researchers investigate the resilience of our forests and related value chains. Based on the results we will in 2024/25 develop recommendations on how the market/industry can better cope with current and future market disruptions. In this flyer, we provide you with our first observations:

## Diversification of product portfolios is key!

- If you do not rely on a single source of forest-based products, you are better prepared for expected changes in wood provision. In the future, certain tree species (e.g., spruce) might become less available, whereas other species will become more available (e.g., birch).
- If you integrate other forest products and services in your portfolio, e.g., tourism, mushrooms and forest fruits, you will not only increase your income but be more flexible in case of resource shortages. It might also be useful to focus your efforts on products with higher added value.

## Investments in innovation pay off!

- For forest owners it might make sense to invest in modern harvesting technologies, e.g. harvesters, or tower yarders equipped with processors.
- Modern machinery increases flexibility and resource efficiency, therefore investments in the processing of different (hard)wood species or damaged wood and modern wood-based materials are useful, as well as exploration of new production methods and technologies.
- Finding innovative approaches to procurement and marketing (e.g. sustainability labels, hosting wood auctions, or launching forest e-shops) broadens your market portfolio.
- Investment in research and development to document the life cycle and carbon footprint of products can be a complementary strategy.

## Increasing efficiency makes us better prepared for disturbances!

- Advancing wood storage capacities in forests, at primary processing facilities like sawmills, pulpmills and energy plants, and at secondary processing facilities will help to manage peaks in wood abundance after a disturbance, while also increasing the likelihood that wood will remain in the local value chain.
- Optimizing the use of wood, including the generation of the highest possible value with the lowest quality wood.
- Increasing resource efficiency can happen for example by using sawmill residues in pulpmills or through the integration of a biorefinery concept.
- Downcycling or upcycling wood from one application to another application is another option to promote resource efficiency.