

# Invasive pests on birch

## Summary from workshop

**Participants:** Hugh Evans, Hans Peter Ravn, Jörgen Eilenberg, Jane Jepsen, Anne Uimari, Helena Bylund, Niklas Björklund, Juha Tuomola, Edda S. Oddsdóttir, Halldór Sverrisson, Brynja Hrafnkelsdóttir and Gudmundur Halldór

# Agenda

- Threats posed to forests by international movement of pests and diseases - Hugh Evans
- New pests and diseases – risk evaluation; case studies (Bronze beetle) - Hans Peter Ravn
- Biological control options for invasive species using insect pathogens - Jørgen Eilenberg
- Invasive pests and diseases on birch in the Nordic countries
  - Iceland: Brynja Hrafnkelsdóttir
  - Norway: Jane Jepsen
  - Finland: Anne Uimari
  - Sweden: Helena Bylund

# Main results

- Manage pathways, rather than focussing on lists of quarantine species
- Harmful species are often unknown as pests
- Long time between actual establishment of pests and first record
- Importance of surveillance
- Lack of understanding of the importance of restricting distribution of forest pests
- Institutional fragmentation
- Avoid monocultures
- Introduction of natural enemies can be a solution

# Main results

- Birch woodlands in the Nordic countries are threatend by new pest species and changes in pest dynamics
- It is important to address this and the possibility for a Nordic cooperation should be furter investigated
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