



Centre wallon de Recherches  
agronomiques

EPPO FAO-REUFIS BFW Conference

Vienna, 21-23 April 2026



# RF 23/07 RAMWOOD

## Risk Assessment and Mitigation

## in wood chips and fuelwood international trade

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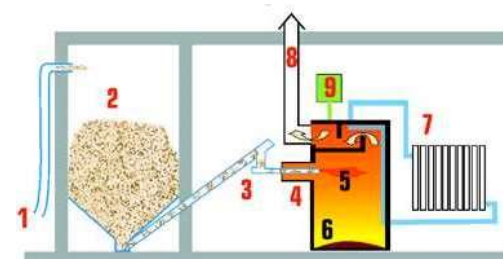
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# Context

- $\approx$  30 million tons of wood chips involved annually in intercontinental trade (90% paper industry, ca. 5% for panel production) + Several million m<sup>3</sup> of fuelwood (different forms)



- Climate change mitigation policies enhance the demand for chips and fuelwood for energy production



- Phytosanitary issues hamper the movements of these commodities



→ Major obstacles hinder safe trade of wood chips/fuelwood

# Obstacles to safe trade

1. Unknown risks of pest dissemination depending on wood characteristics (tree species, size of particles of fragmented wood, presence of bark,...), area of origin, pest species, harvest/transport/storage conditions,...



2. Divergent database information, fluctuating trade flows, ambiguous customs codes (identity of commodities in a shipment).

4401	fuel wood wood chips sawdust wood waste
4401	Fuel wood, in logs, billets, twigs, faggots or similar forms; wood in chips or particles; sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms
44011100	Fuel wood, in logs, billets, twigs, faggots or similar forms, coniferous
44014910	Bark and wood production waste, scrap, rejects and residues, not agglomerated (excl. sawdust)
44014990	Wood waste and scrap, not agglomerated (excl. sawdust, bark and production waste, scrap, rejects and residues)
44011200	Fuel wood, in logs, billets, twigs, faggots or similar forms, non-coniferous
44012100	Coniferous wood in chips or particles (excl. those of a kind used principally for dyeing or tanning purposes)
440122	Wood in chips or particles (excl. those of a kind used principally for dyeing or tanning purposes, and coniferous wood)
44012210	Wood in chips or particles, of eucalyptus
44012290	Wood in chips or particles (excl. those of a kind used principally for dyeing or tanning purposes, coniferous wood and eucalyptus)

# Obstacles to safe trade

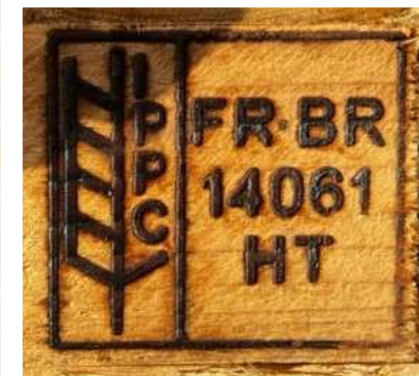
3. Inspection of shipments and detection pests



4. Costs, efficacy and feasibility of treatments (low-value goods)



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→ RAMWOOD initiated in the frame of



# Partners & Working plan

Country	Funding organisation	Budget	Contribution		
			1	2	3
Belgium	FPS HFCSE	150.000 €	✓	✓	✓
Canada	CFIA	8.000 €	✓		✓
Finland	FFA	15.000 €	✓		✓
Finland	Luke/Min Agr For	50.000 €	✓	✓	✓
Germany	BMLEH-JKI	6.000 €	✓	✓	✓
Great Britain	DEFRA	11.400 €	✓	✓	✓
Ireland	DAFM	10.000 €	✓		
Norway	NFSA-NIBIO	10.000 €	✓	✓	✓
Portugal	INIAV	15.000 €	✓	✓	✓

# Partners & Working plan

## WP1 : Mapping trade and pest risks

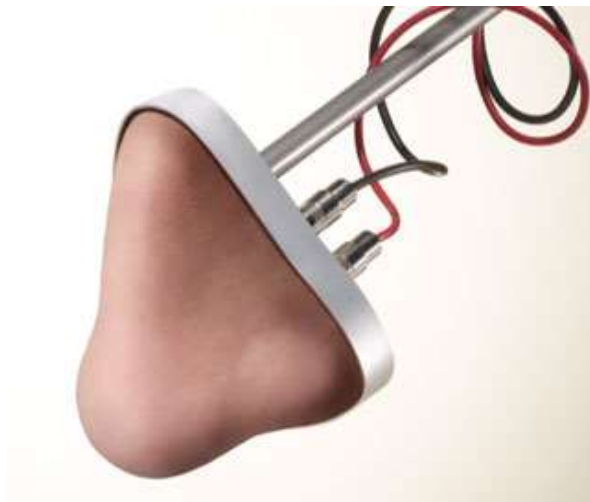
Identification of trade flows, stakeholders, and commodity profiles relevant to wood chips and fuelwood.



# Partners & Working plan

## WP2 : Advancing pest detection tools

Assessment & development of improved pest detection methods and risk-based inspection approaches.



# Partners & Working plan

## WP3 : Improving phytosanitary measures

Evaluation and optimisation of treatment options and practical recommendations for safer trade.



# Request for collaboration

This project aims to improve the understanding and management of phytosanitary risks associated with wood chips and fuelwood.

Any expert, organisation or institution willing to contribute (participation in monthly consortium meetings, academic dissertation project, etc.), contact: [ari.hietala@nibio.no](mailto:ari.hietala@nibio.no)

# Thank you for your attention and to the institution supporting this research !

## Questions / comments?



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and Forestry of Finland



\*The Belgian contribution to this research is funded by the Belgian Federal Public Service Health, Food Chain Safety and Environment through the contract [RI 25/G-491 RAMFRIT].



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