



Das Land  
Steiermark

→ A10 Land- und Forstwirtschaft

# Survey design and contingency planning for *Agrilus planipennis* in Austria

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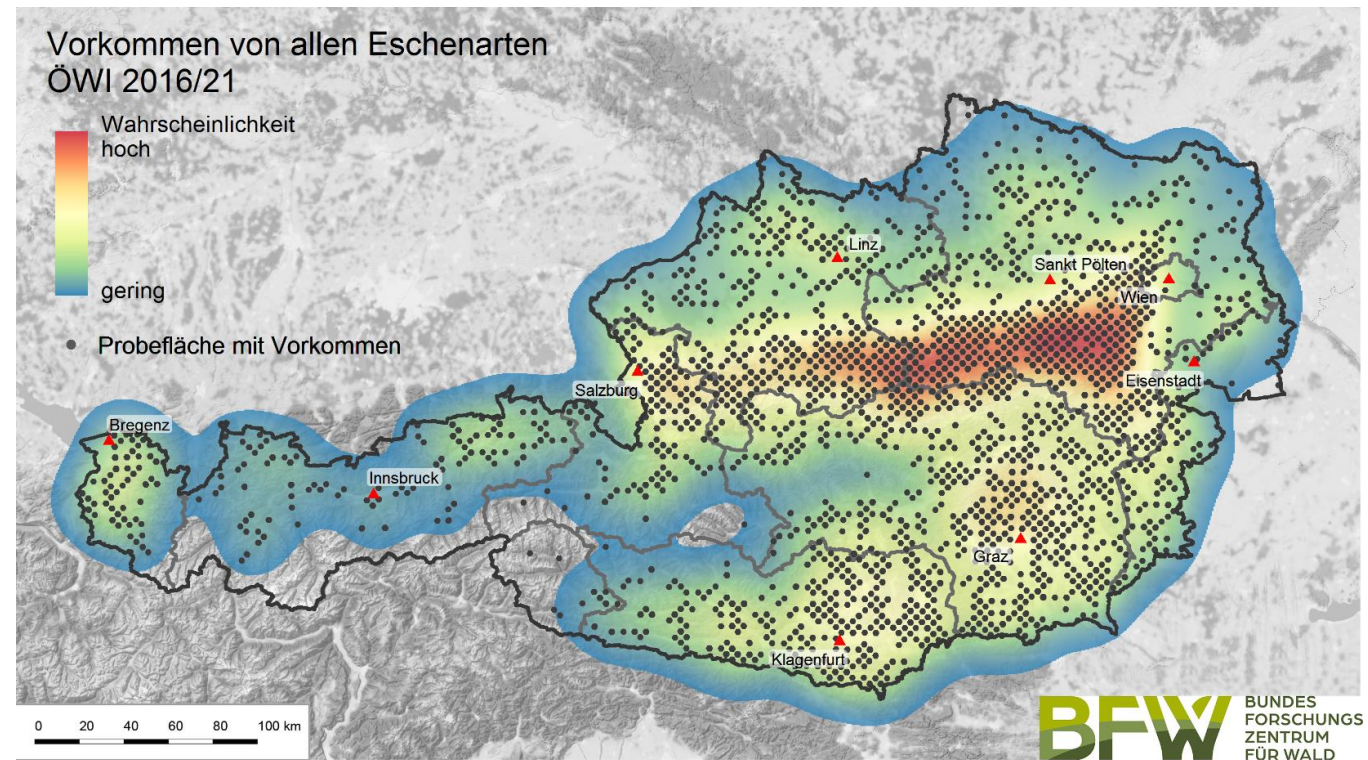
<sup>2</sup> Austrian Research Centre for Forests (BFW);

<sup>3</sup> Federal Ministry of Agriculture and Forestry, Climate and Environmental Protection, Regions and Water Management (BMLUK)



# Ash abundance

- 3 native ash species in AT:
  - *Fraxinus excelsior*: abundant and widely distributed throughout AT
  - *F. ornus*: sparse distribution in southern AT
  - *F. angustifolia*: sparse distribution in eastern AT
- 4<sup>th</sup> most common deciduous tree species in AT forests (2.2 % of total stem numbers according to the interim analysis 2018-2023 of the Austrian National Forest Inventory)
- Non-native ash species planted in urban areas



Heat map of *Fraxinus* occurrence in AT (blue: low probability; red: high probability; black dots: plots with ash occurrence)

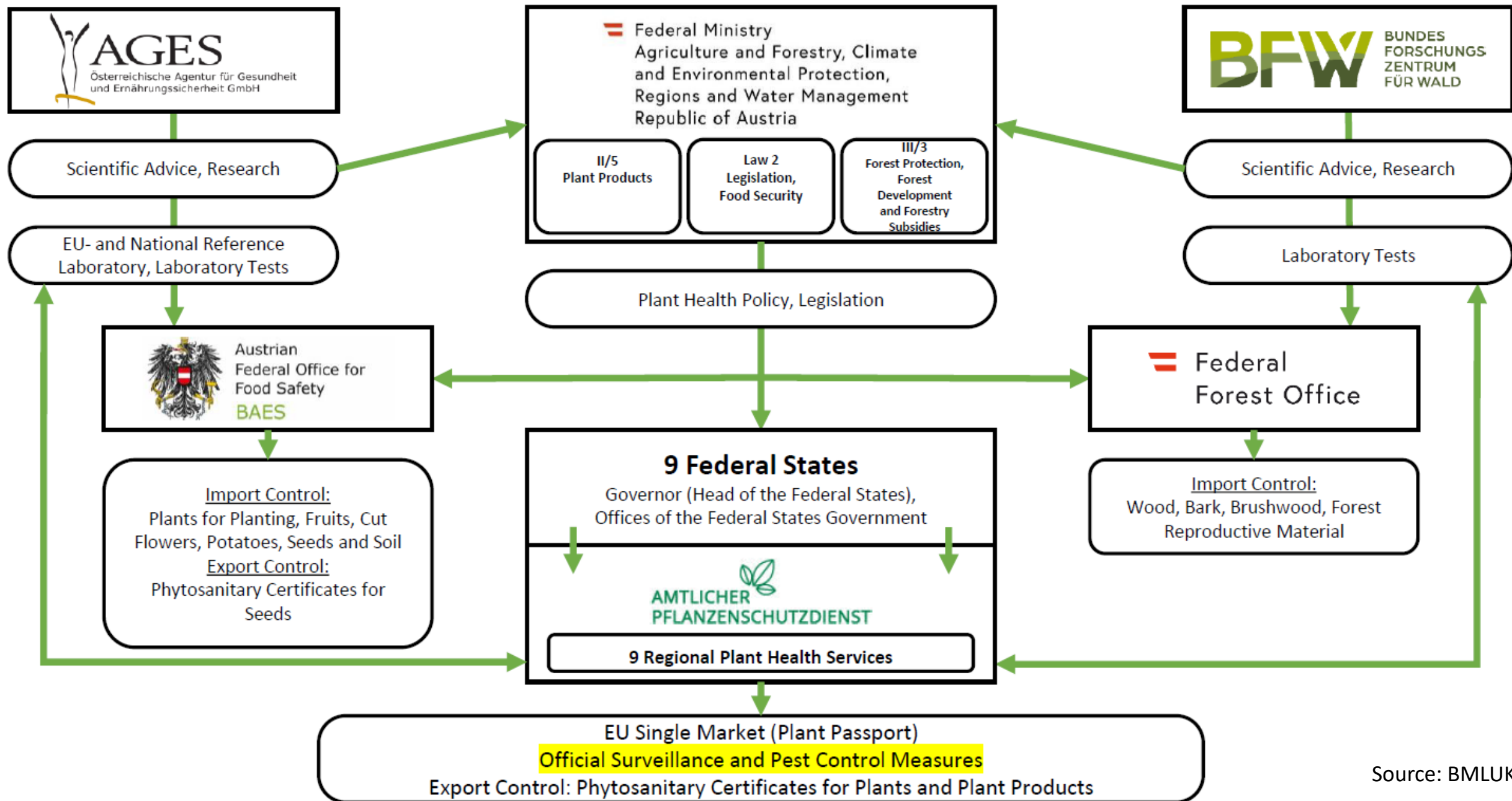
Source: Austrian National Forest Inventory, 2016-2021

# Risk considerations for AT




- **Most important entry pathway:** Introduction via trade and transport of **ash products** from infested areas
    - Special import requirements for lots of ash products (Commission Implementing Regulation (EU) 2019/2072)
    - Temporary import prohibition of ash plants until risk assessment is concluded (Commission Implementing Regulation (EU) 2018/2019)
  - **Risk of**
    - **interceptions** during import checks is deemed medium → import volume of ash products is low in AT
    - **hitchhiking** is considered to be significant → vehicles/products from infested areas
    - **permanent establishment** is high → favourable climatic conditions, abundant and highly susceptible host species
- **Potential damage is very high**, as ashes are already severely affected and decimated by ash dieback

# ORGANIZATION CHART OF THE AUSTRIAN PLANT PROTECTION ORGANIZATION



# EAB Contingency Plan

- Developed by a working group consisting of colleagues from BFW, RPPOs and BMLUK
- Published in 2024
- Based on
  - Commission Implementing Regulation (EU) 2024/434
  - EFSA's Guidelines for statistically sound and risk-based surveys of *Agrilus planipennis*
  - EFSA's EAB Pest Survey Card
  - EPPO's EAB Data Sheet
  - Generic AT Contingency Plan



## Spezifischer Notfallplan für prioritäre Schädlinge

Asiatischer Eschenprachtkäfer  
*Agrilus planipennis* Fairmaire

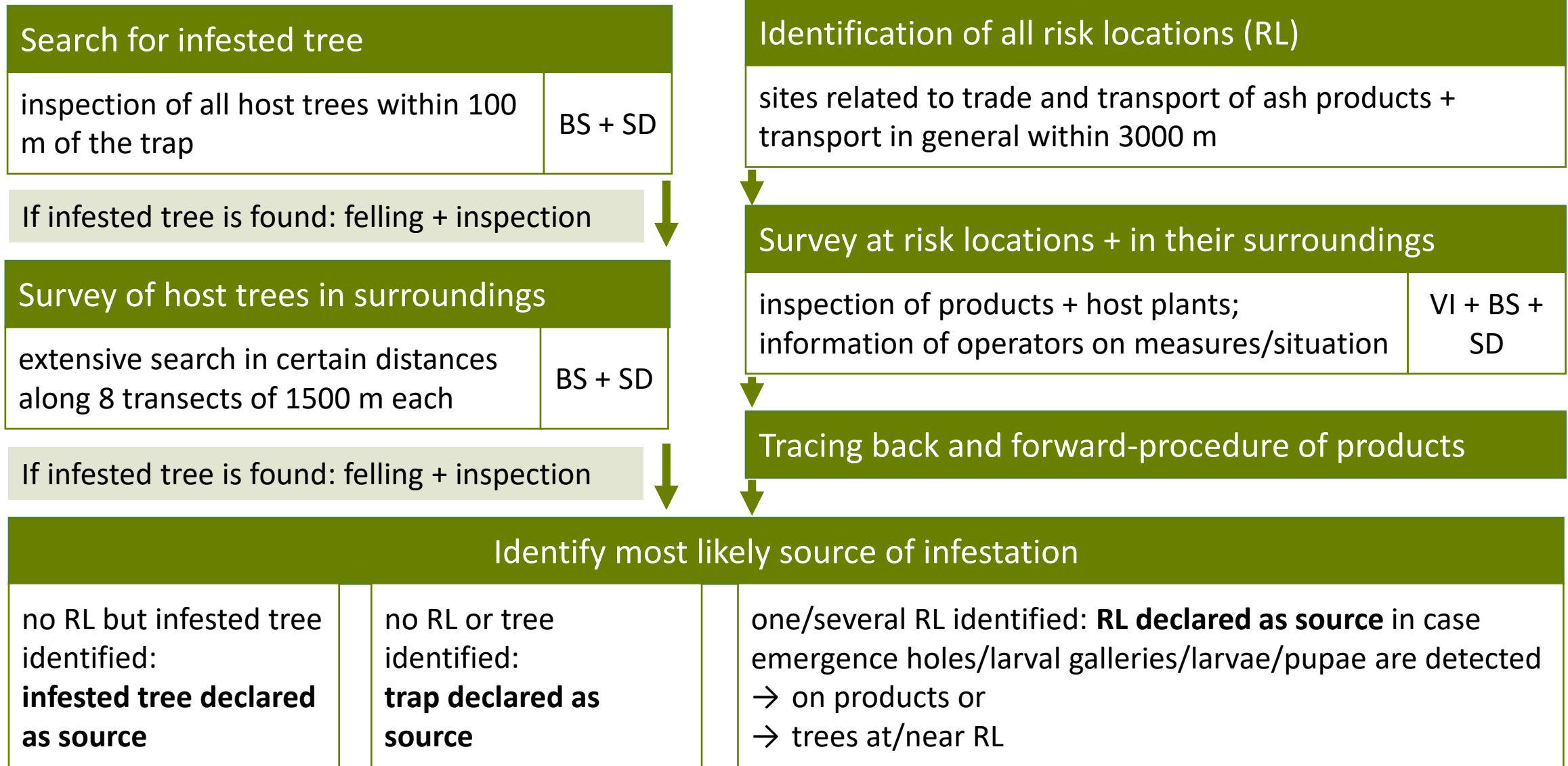
Amtliche Pflanzenschutzdienste in den Ländern  
Bundesministerium für Land- und Forstwirtschaft, Regionen und Wasserwirtschaft  
Österreichische Agentur für Gesundheit und Ernährungssicherheit GmbH  
Bundesforschungs- und Ausbildungszentrum für Wald, Naturgefahren und Landschaft  
Bundesamt für Ernährungssicherheit  
Bundesamt für Wald

# Measures laid down by Commission Implementing Regulation (EU) 2024/434 I



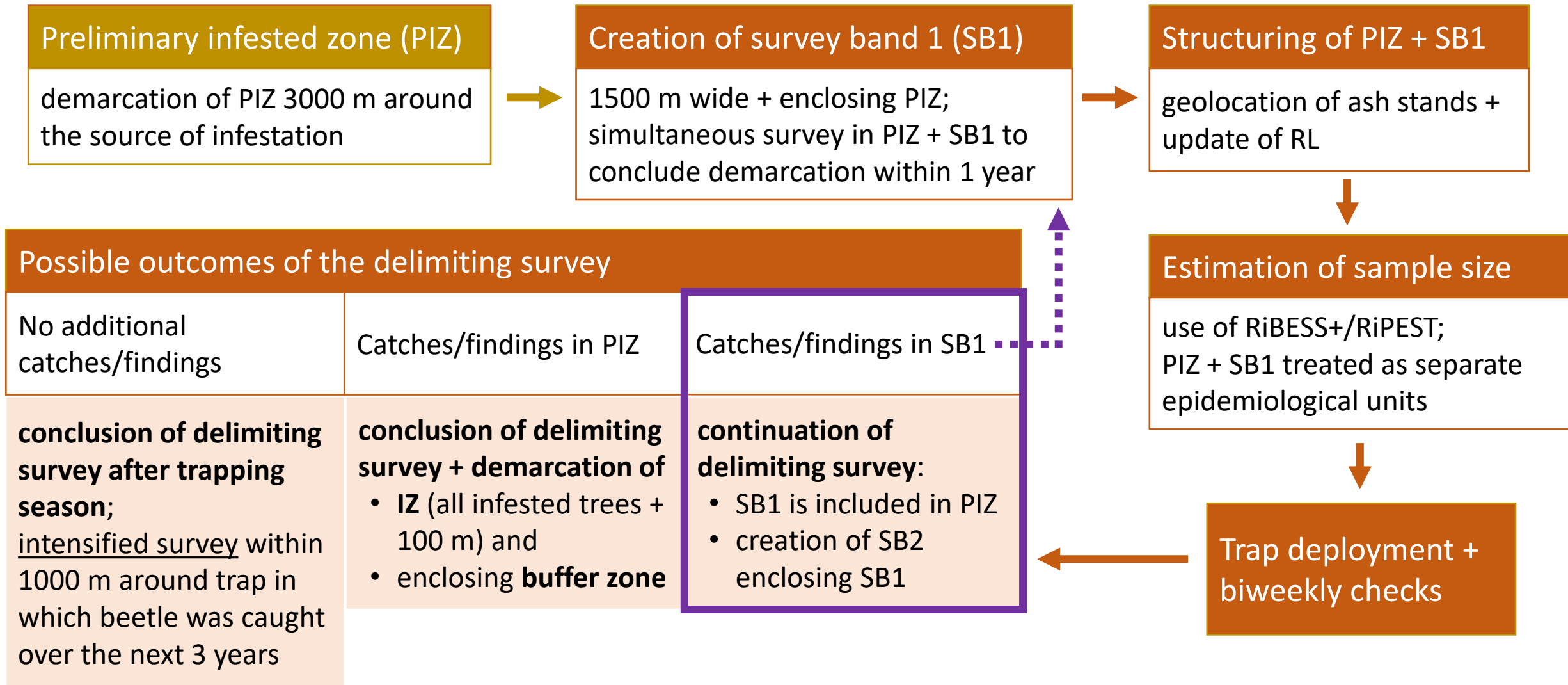
- Establishment of a demarcated area once EAB presence is officially confirmed
  - Infested zone with at least 100 m around the infested plants
  - Buffer zone with at least 10 km beyond the infested zone
- Delimitation taking into account
  - Scientific principles
  - Biology of the pest
  - Level of infestation
  - Particular distribution of specified plants in the area
  - Evidence for establishment of the pest
- Delimiting survey: 1 % presence of infested plants with a 95 % level of confidence
  - Based on EFSA's Guidelines for statistically sound and risk-based surveys of EAB
  - Includes methods to detect EAB before emergence (branch sampling or others)

# Delimiting Survey: Beetle caught in pheromone trap I



BS: branch sampling; SD: sniffer dogs; VI: visual inspections

# Delimiting Survey: Beetle caught in pheromone trap II



# Survey design for EAB

Developing a statistically sound, risk-based survey  
for AT from 2027 onwards









# Survey parameters for EAB from 2027 onwards

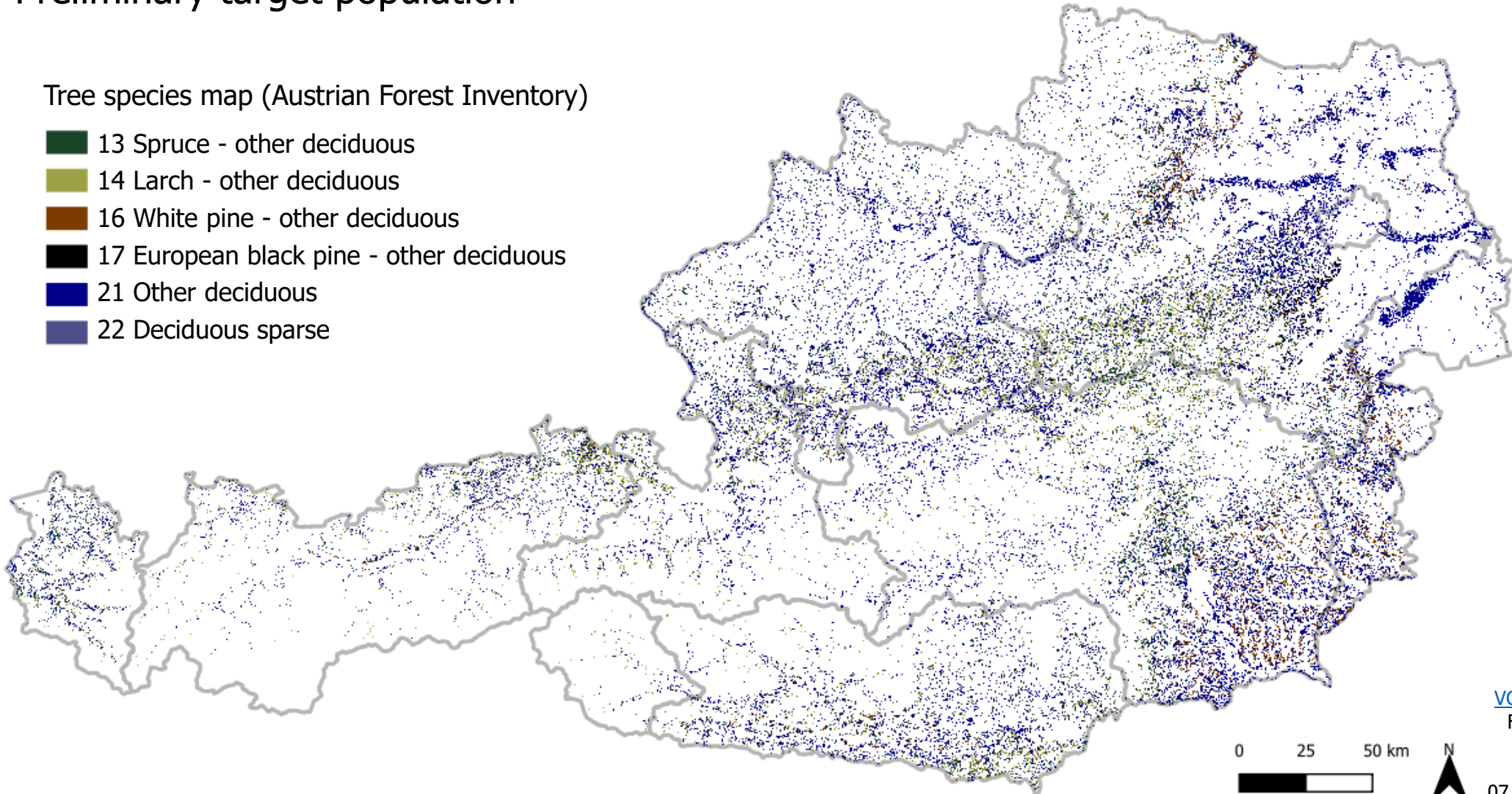


- Target population: total number of hectares with ash trees
- Inspection unit: ha with at least 1 ash tree
- Method: green multifunnel traps baited with (3Z)-hexenol (1 trap per ha)
- Method sensitivity: 75 %
- Confidence level: 95 %
- Design prevalence: 2 %
- Risk factor: hitchhiking of beetles on vehicles/goods coming from areas where EAB is present

# Preliminary target population

## Tree species map (Austrian Forest Inventory)

-  13 Spruce - other deciduous
-  14 Larch - other deciduous
-  16 White pine - other deciduous
-  17 European black pine - other deciduous
-  21 Other deciduous
-  22 Deciduous sparse











Created on: 14/04/2026  
By: Jasmin Wilhelm

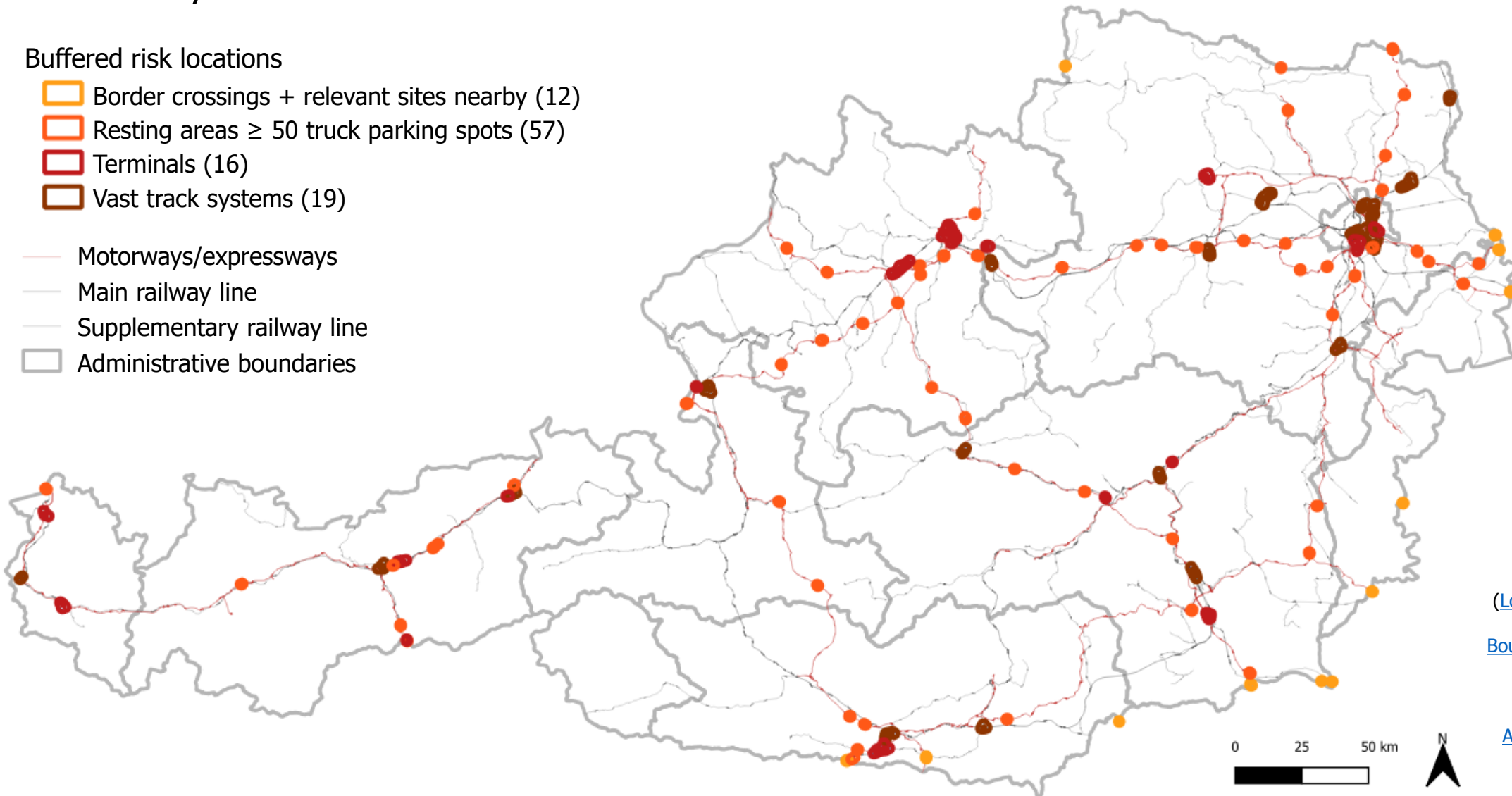
Data sources:  
BEV (CC BY 4.0, [Administrative Boundaries \(Verwaltungsgrenzen, VGD\)](#)) BEV creation date 01.10.2024);  
Federal Research Centre for Forests (2025): Tree species map of the Austrian Forest Inventory (as of 07.2025, <http://www.waldinventur.at>)

# Preliminary risk locations

## Buffered risk locations

-  Border crossings + relevant sites nearby (12)
-  Resting areas  $\geq 50$  truck parking spots (57)
-  Terminals (16)
-  Vast track systems (19)

-  Motorways/expressways
-  Main railway line
-  Supplementary railway line
-  Administrative boundaries

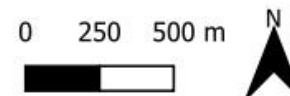


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Data sources: ASFINAG 2026 ([Looking for resting places](#)); BEV (CC BY 4.0, [Administrative Boundaries \(Verwaltungsgrenzen, VGD\)](#)) BEV creation date 01.10.2024); BMIMI 2024 ([Terminal manual – Hubs in Austria](#)); BMIMI 2025 ([Rollende Landstraßen in Österreich](#)); [gip.gv.at](http://gip.gv.at)



## Resting area Kaiserwald/Styria




### Tree species map (Austrian Forest Inventory)



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-  22 Deciduous sparse

### Risk location

-  Kaiserwald

### Buffers

-  100 + 1500 m

-  A2 Süd motorway
-  Supplementary railway line

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Data sources:  
ASFINAG 2026 ([Looking for resting places](#)); [basemap.at](#);  
Federal Research Centre for Forests (2025): Tree species map of the Austrian Forest Inventory (as of 07.2025, <http://www.waldinventur.at>); [gip.gv.at](http://gip.gv.at)

Thank you for your  
attention!

