



Biological introductions to our environment

Dr. Lucie Vítková

E: lucie.vitkova@efi.int

T: +49 (0) 761 4018 142

Verena Quadt

E: verena.quadt@efi.int

T: +49 (0) 761 4018 474

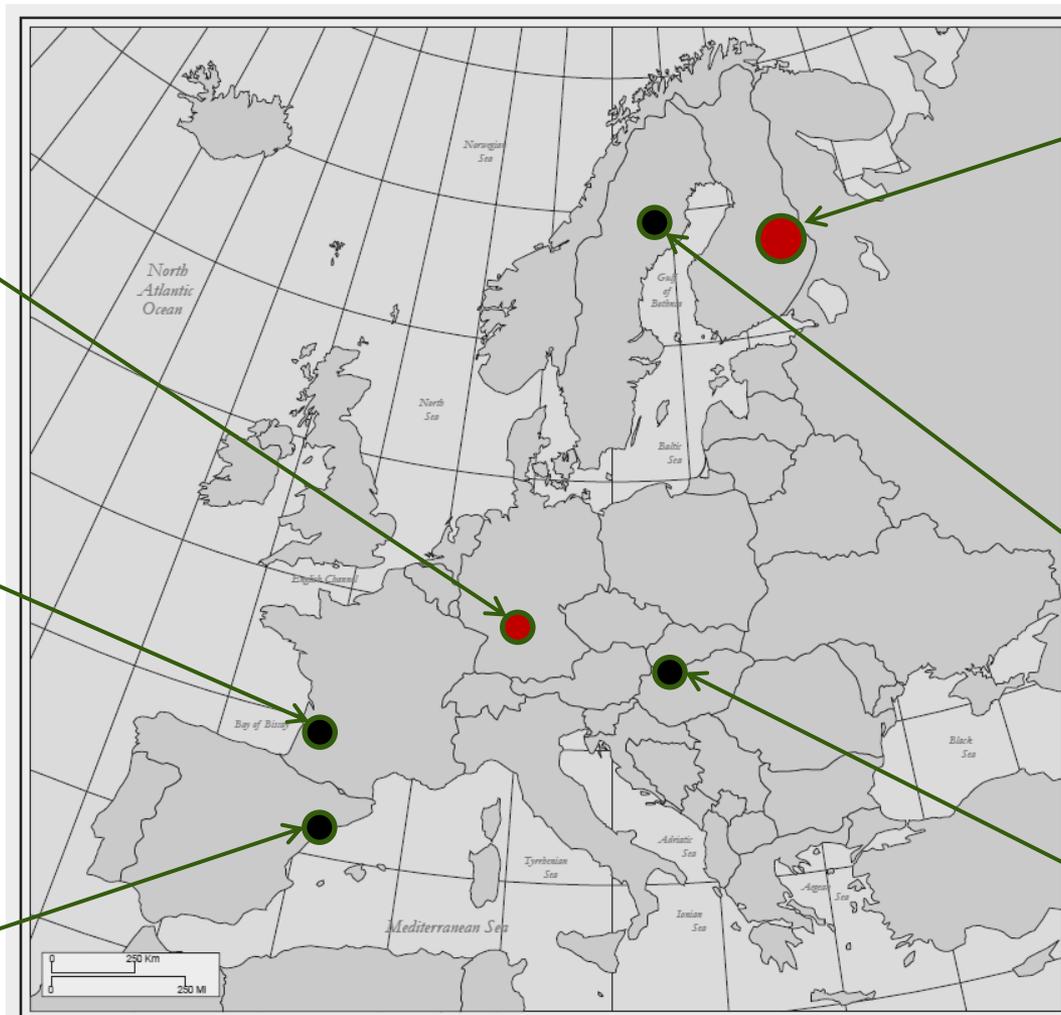


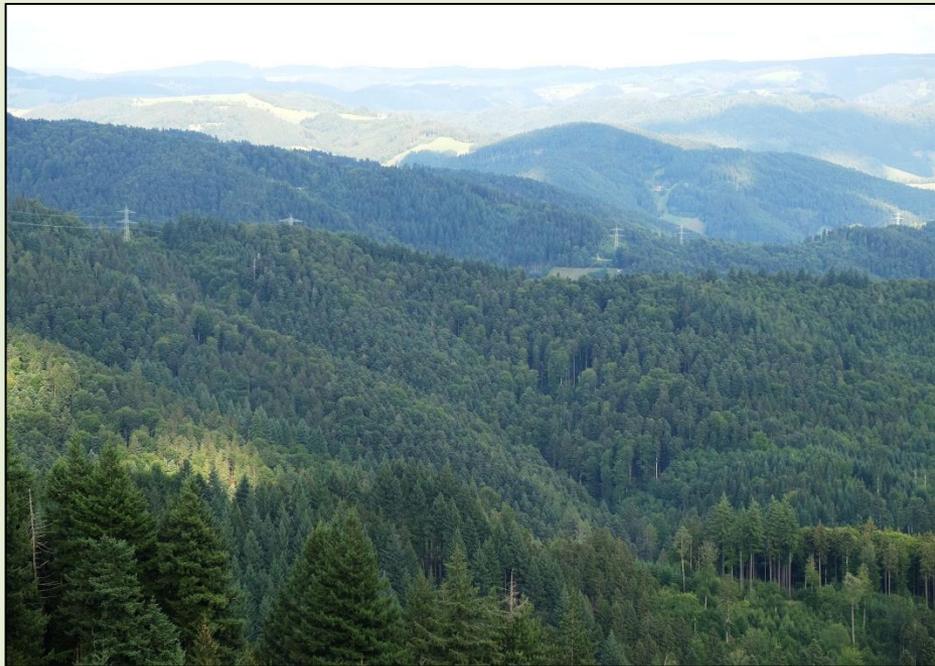
European Forest Institute

Central European Office EFICIENT, Wonnhaldestr. 4, 79100 Freiburg



European Forest Institute (EFI)







Biological introductions to our environment

Introduced species:

A species in a given area whose presence there is due to intentional or accidental introduction as a result of human activity

Worldwide
introductions of all
kinds →

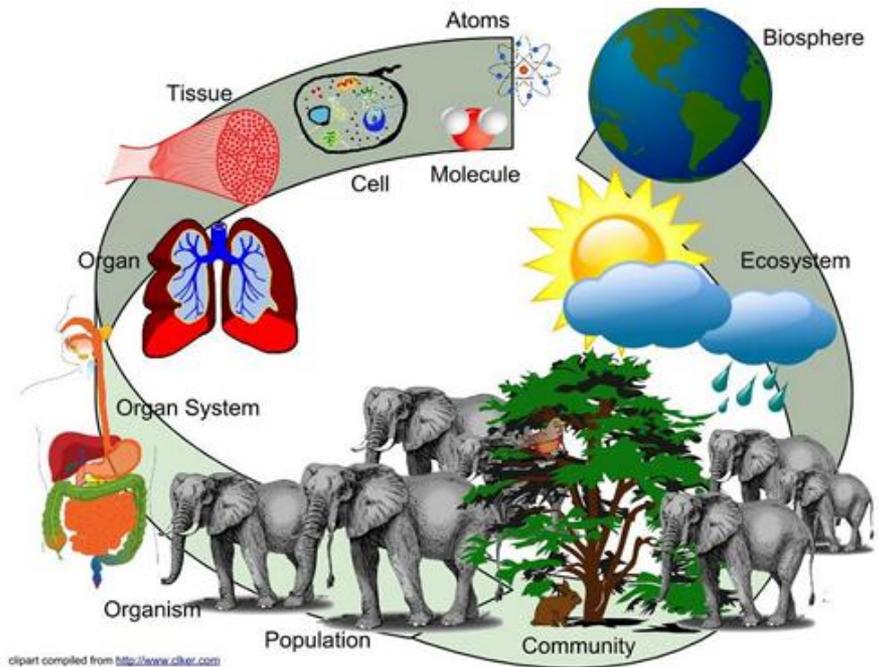




Biological introductions to our environment

Biology - the study of living things that:

- Are organized
- Require energy
- Respond and interact
- Reproduce
- Adapt and develop





Intentional vs. accidental



Douglas fir



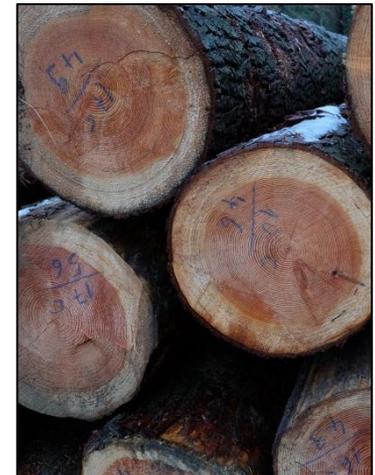
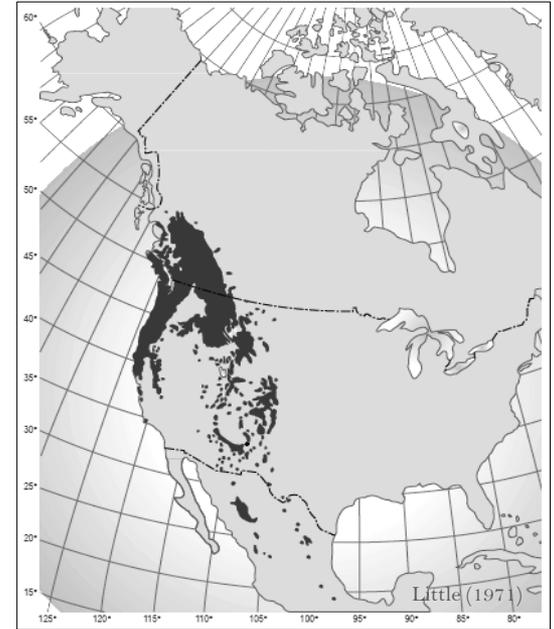
Asian long-horn beetle





Douglas fir

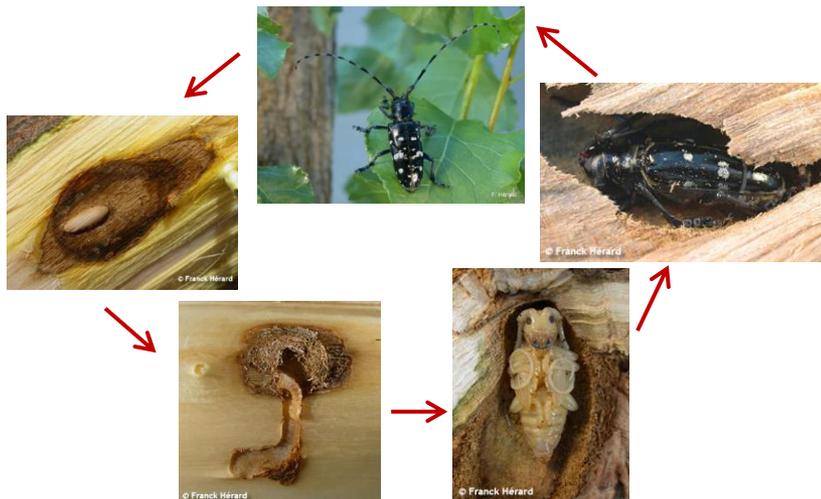
- Introduction: intentional
- 1827: Seeds first brought to Europe
- 1828: Planted in Europe
- 1835: Planted in Freiburg City Forest



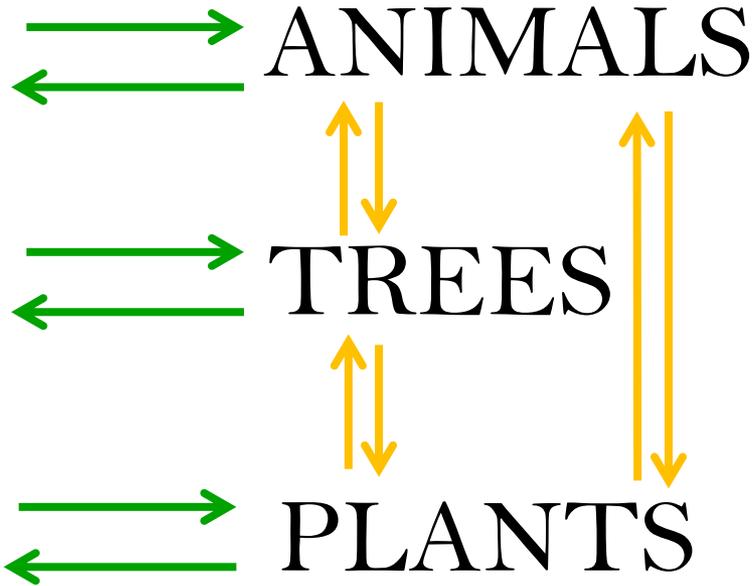


Asian long-horn beetle

- Introduction: accidental



Interactions



Responses

Adaptations

Changes



Products of the task

Audio:

- Poems
- Songs

Visual:

- Poster
- Photos
- Films

Interactive:

- Theatre play
- Dance

Any other are welcomes



Topics

1. Reasons for species introductions
2. Risks and challenges of introduced species
3. The role of climate change regarding introduced species
4. Advantages and disadvantages of introduced species
5. Invasive character of introduced species in their non-native environment
6. Social consequences of introduced species
7. Effects of introduced species on people
8. Ecology of introduced tree species
9. Impressions regarding introduced species

OR ANY OTHER TOPIC OF YOUR INTEREST

