

# Introduced and invasive tree species in European forests



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With support from



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# Definitions

- Evolution of definitions

- Over time
- Different languages
- Controversial topic

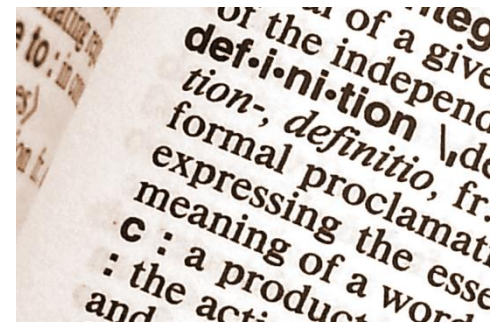
Lack of precision

- Goals:

- Ensure clarity of the definitions
- Ensure consistency of the terms used throughout the book

**Avoid confusion**

**Avoid misunderstanding**



# Key definitions

## *Introduction*

A process (or an action) that enables a species (or its propagule) to overcome, through a human agency, a major geographical barrier.

*Amended from Richardson et al. (2000)*

## *Introduced species*

*(alien, exotic, non-native, non-indigenous)*

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

*Gassmann and Weber (2006)*

# Key definitions

## *Invasion*

A process whereby a species must overcome a series of barriers to be able to spread into novel areas in which it becomes dominant.

*Amended from Valéry et al. (2008)*

## *Invasive species*

A (non-native) species that has been naturally reproducing in large numbers over considerable distances causing negative impact on local ecosystems; i.e. by direct competition for natural resources.

# Key definitions

## *Naturalisation*

Process whereby the species establishes new self-perpetuating populations, undergoes widespread dispersal and becomes incorporated within the resident flora.

*Richardson et al. (2000)*

## *Native species*

Species that have evolved in a given area or that arrived there by natural means without the intentional or accidental intervention of humans from an area where they are (or had been) native.

*Pyšek et al. (2004)*

# Key definitions

## *Invasiveness*

The features of an organism (life history traits and modes of reproduction) that define their capacity to overcome various barriers to invasion.

*Amended from Richardson et al. (2000)*

## *Invasibility*

The properties of a community, habitat or ecosystem that determine its inherent vulnerability to invasion.

*Lonsdale (1999)*

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