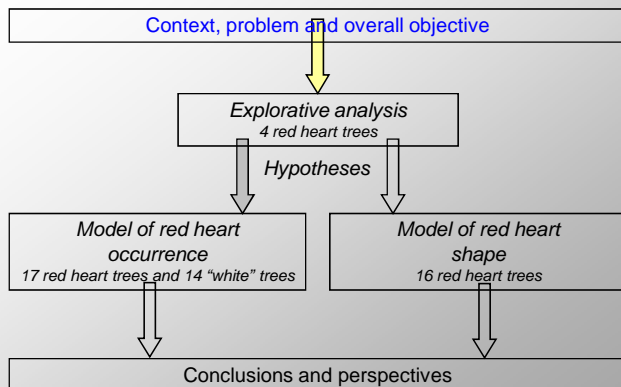
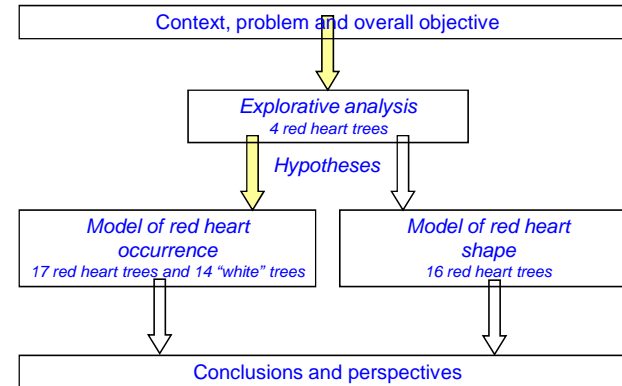


Approaches to the modelling of the occurrence and shape of red heartwood in Beech (*Fagus sylvatica* L.) at the individual tree level

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Context

- For high value industrial utilisation of beechwood, light-coloured ("white") wood and coloured heartwood have to be distinguished
 - Facultative formation of coloured heartwood in Beech, usually red heartwood (RH)
 - RH formation (Zycha 1948, Torelli 1985) is initiated by penetration of air (oxygen) into the stem is related to tree growth characteristics and possibly site
- ⇒ Foresters aim at predicting RH occurrence and controlling its formation by silvicultural means
- ⇒ Wood industry aims at optimising the yield of "white" beechwood in roundwood processing

