



TECHNISCHE
UNIVERSITÄT
DRESDEN

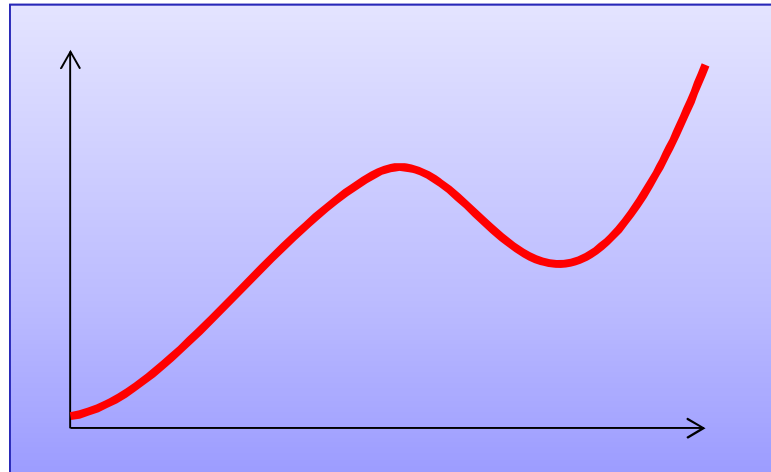


Fachrichtung Forstwissenschaften, Professur Forsttechnik

Optimize your harvesting method

Graz, 10.10.2011
Jörn Erler

Optimize...



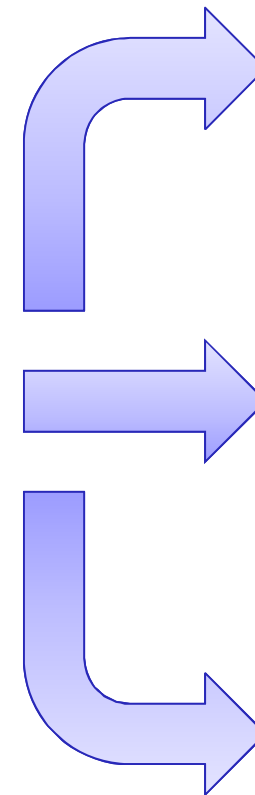
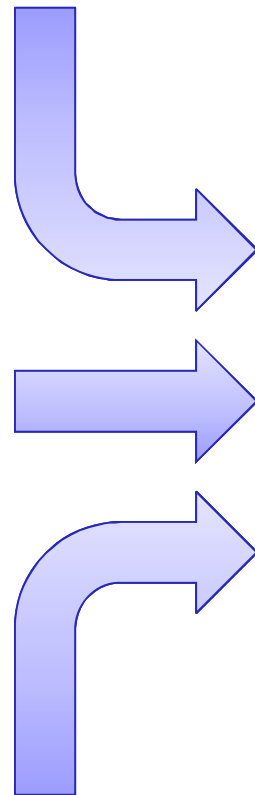
Efficiency

and effectiveness

Capital
efficiency
= economical
aspect

Ecological
efficiency
= technical (!)
aspect

Social efficiency
= ergonomical
aspect

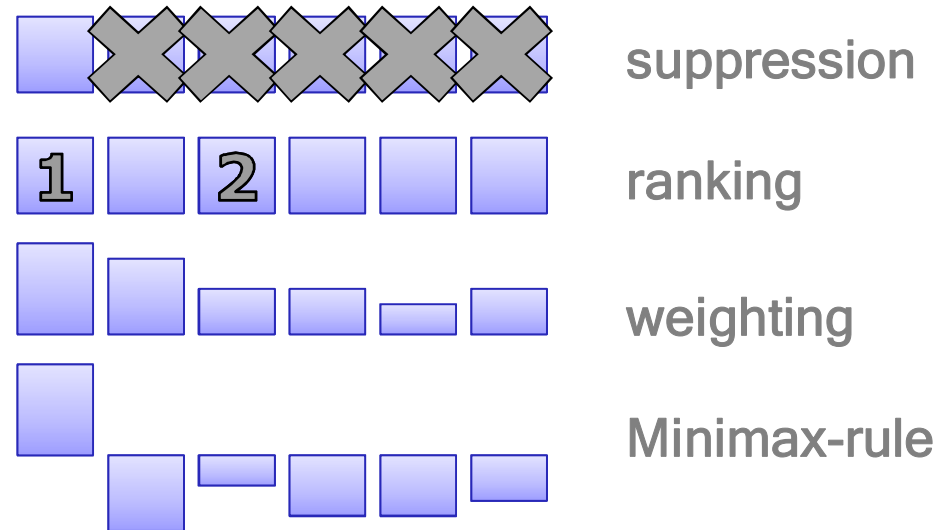
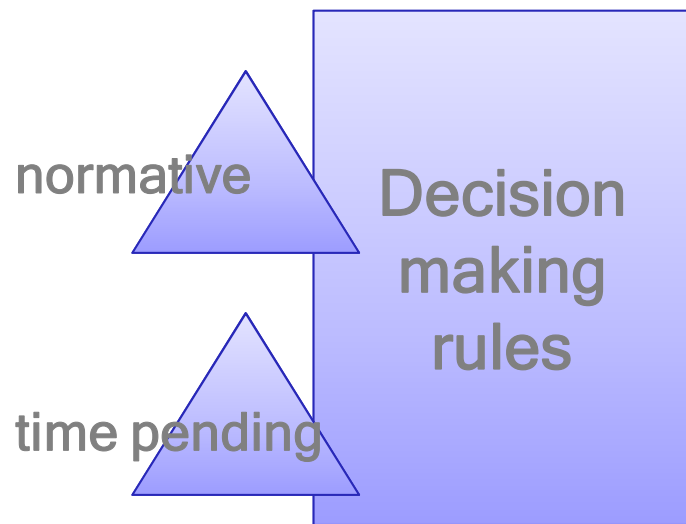
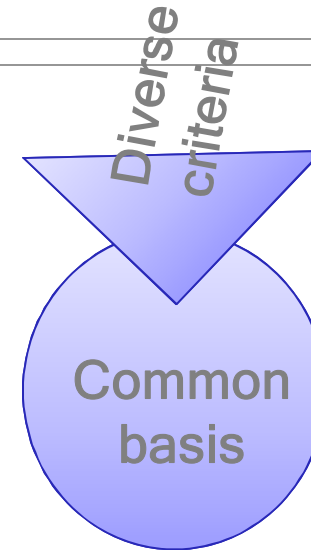


Functionality
= technical
aspect

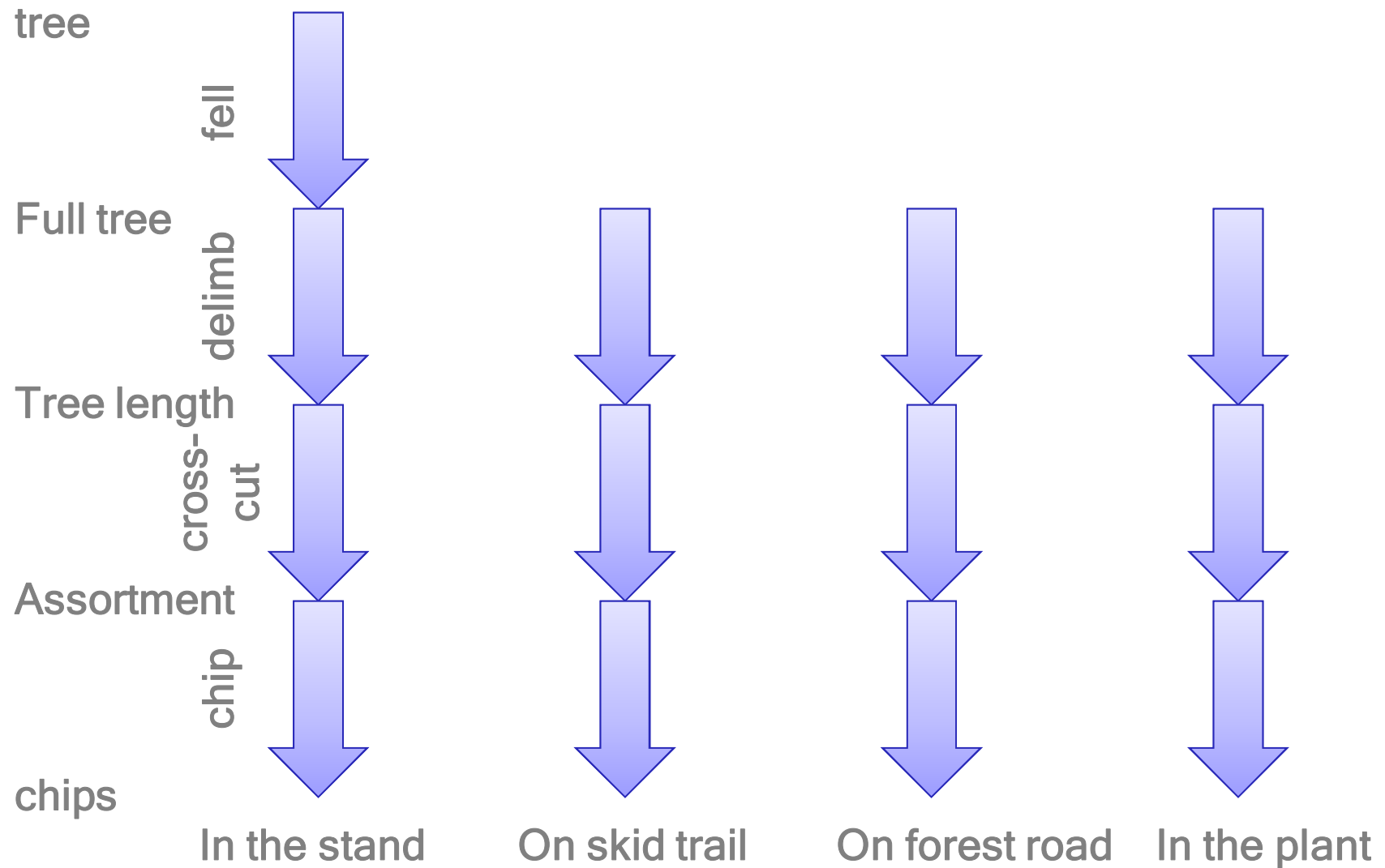
Ecological
compatibility
= ecological
aspect

Social
compatibility
= social
aspect

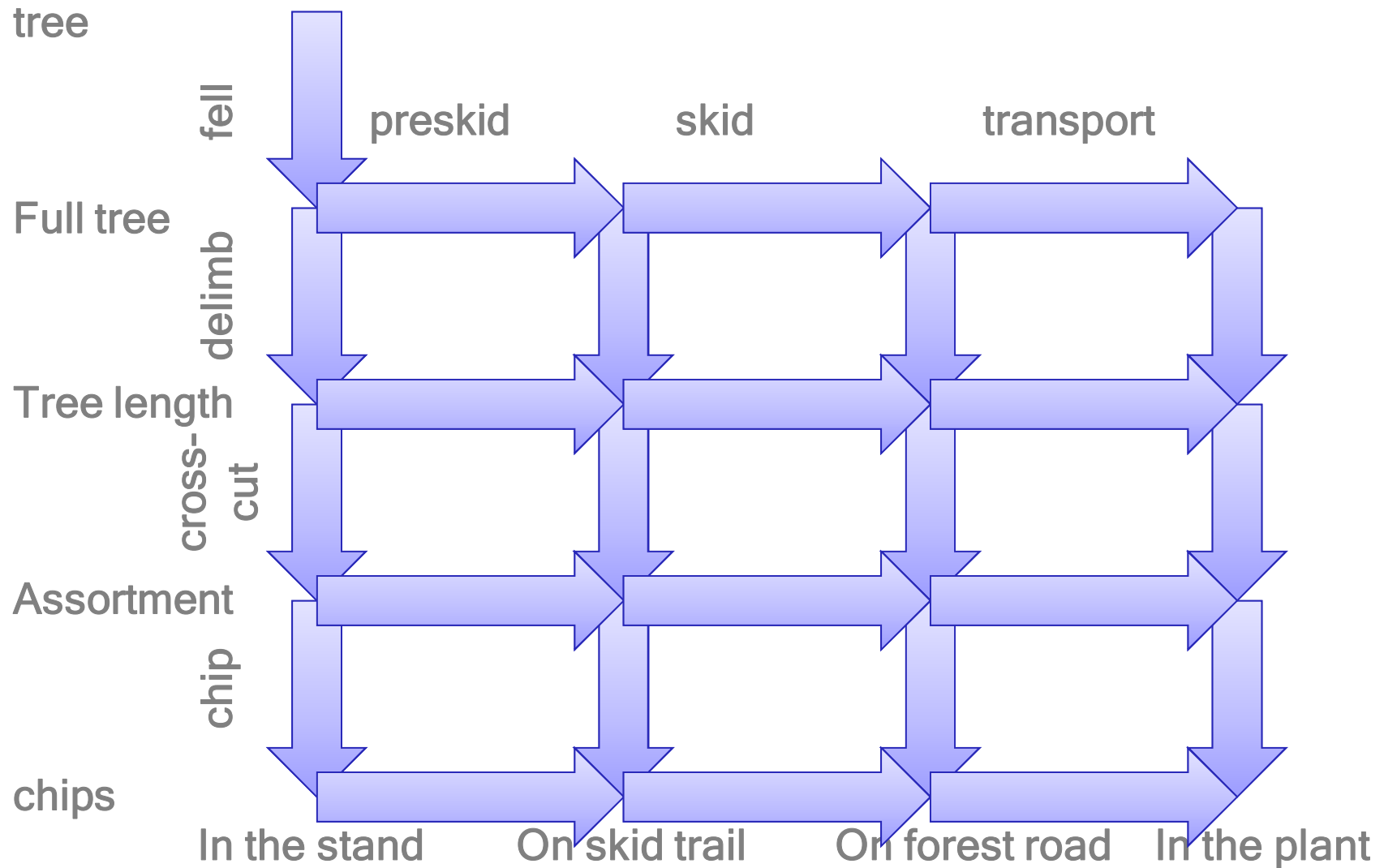
Multiple criteria



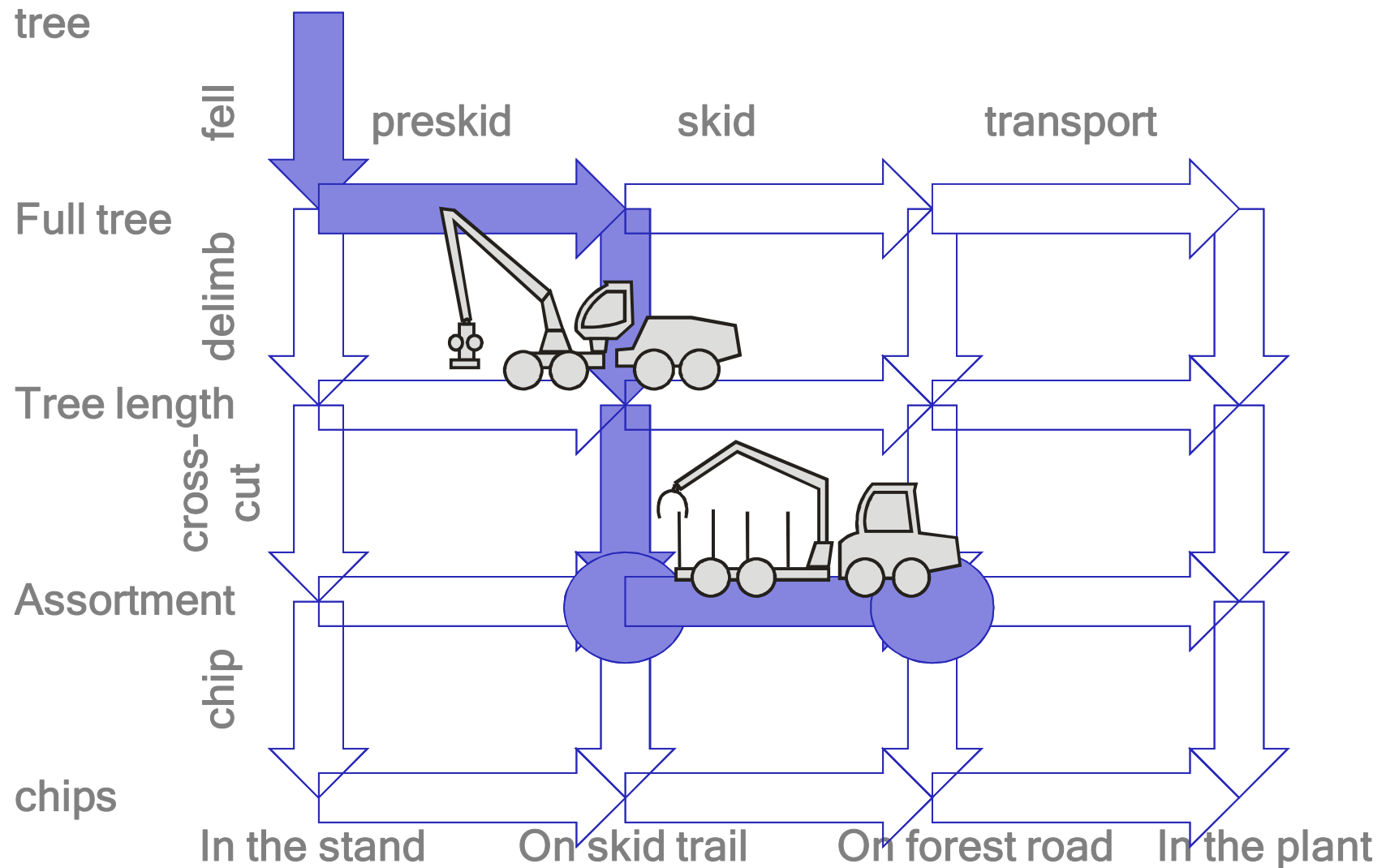
Harvesting method



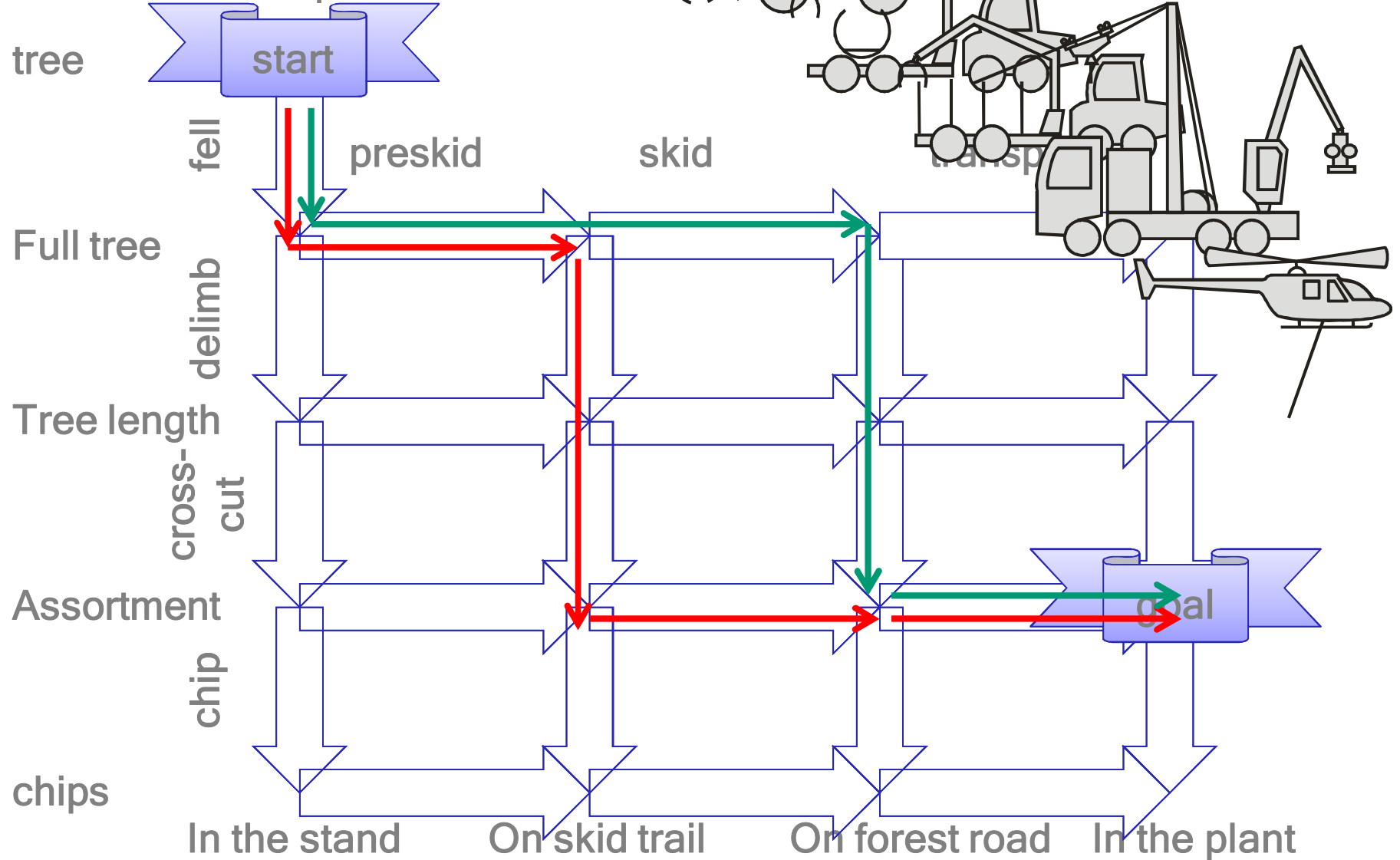
Harvesting method



Process steps

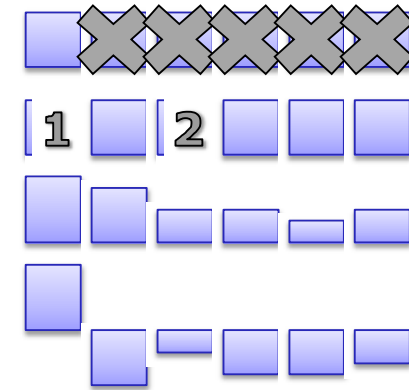


Heuristic process

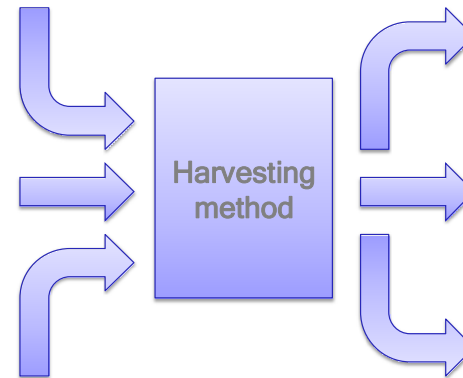


Assessment in 3 steps

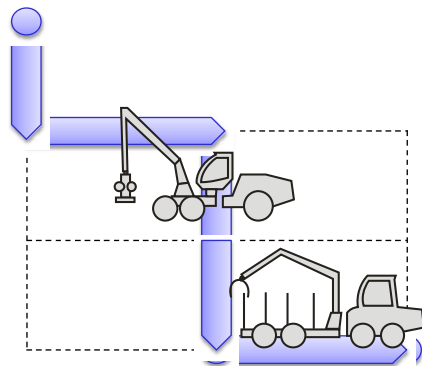
Individual decision



Multicriterial assessment



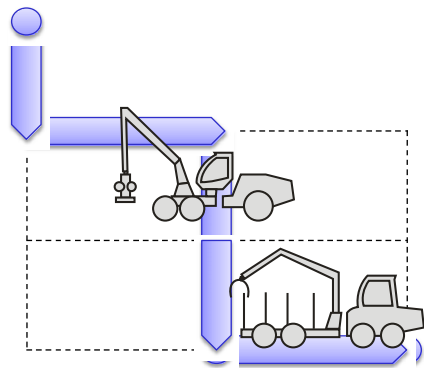
Configuration of process



Our task

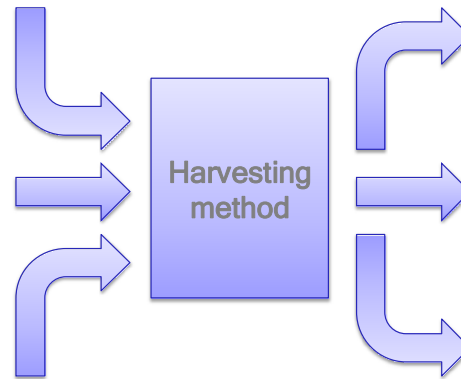
- Precise process steps
- Focus and limits

Configuration of process



- Physical measurements
- Social queries
- Precise models

Multicriterial assessment



- Support at ind. decision

Individual decision

