ALTERFOR

WP3: LANDSCAPE LEVEL MODELLING

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T3.1 Upgrade of DSS

For each landscape, modifications and enhancements of the selected DSS are identified to make the DSS suitable for use in ALTERFOR. **WP3** coordinators will prepare a detailed quality standard to be observed by the DSS experts in their work within each case study, in cooperation with specialists active in **WP1**, **WP2**, **WP4** and **ES assessments**.

- MS31 (month 10) A detailed **quality standard** to be met by the upgraded DSSs with respect to ES and their valuation, climate change impacts and spatial specificity.
- MS32 (month 17) All DSS conform to the quality standard of MS31
- D3.1 (month 19) DSS for analysis of ES provision at landscape scale under different prospective scenarios (scientific paper)

The ALTERFOR standard

Requirements concerning:

- Wood assortments
- Prices
- Climate modelling
- Spatiality
- Behaviour models
- Capacity for modelling alternative FMMs
- Ecosystem service modelling

The ALTERFOR standard

Requirements concerning:

- Wood assortments
- Prices
- Climate modelling

} WP2 scenarios

- Spatiality
- Behaviour models
- Capacity for modelling of alternative FMMs
- Ecosystem service modelling

The ALTERFOR standard

- Wood assortments
  - sawlog
  - pulpwood
  - harvesting residues
- Prices
  - 10-year steps, linear interpolation
  - per assortment
  - at the industry gate
  - prices should influence harvest levels and FMM choices
- Climate modelling
  - effect on growth
  - effect on mortality
  - effect on tree species

The ALTERFOR standard

- Spatiality
  - at least spatial with no neighbourhood interrelations? (i.e. stands have locations in landscapes but decisions for/actions in one stand do not affect other stands)
- Behavioural models
  - owner types linked to specific combinations of FMMs that change over time
- Capacity for modelling alternative FMMs

The ALTERFOR standard

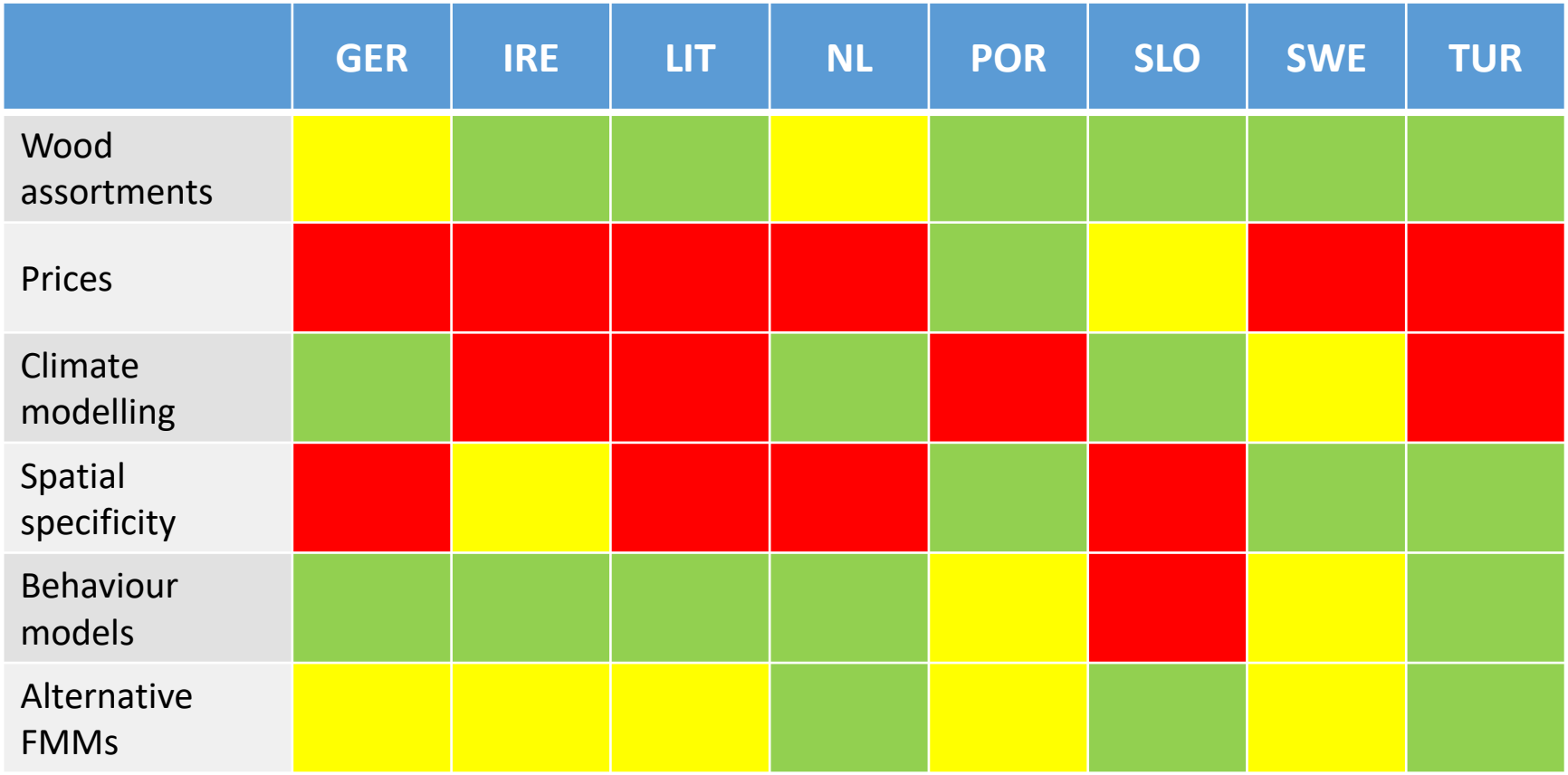
Project ambitions:

What do we want to do?

Modelling capacity:

What can we do?

Current status of DSSs



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Wood assortments								
Upgraded								
Prices								
Upgraded								
Climate modelling								
Upgraded								
Spatial specificity								
Upgraded								
Behaviour models								
Upgraded								
Alternative FMMs								
Upgraded								

To discuss

- Pricing (linked to harvest levels)
- Demand
- Climate modelling
- Spatial specificity for landscape modelling
- Behaviour modelling
- Capacities for modelling of alternative FMMs
- ES modelling