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Functional Plant Biology

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Cover illustration: Scheme of the IBTREE model describing the effect of climatic variables on tree growth and allocation (see Schippers *et al*. pp. 697–709). Abbreviations: LAI, leaf area index (m^2 leaf m^{-2} ground surface); W, weight of different organs (kg dry matter per tree); Photo., photosynthesis; Temp., temperature; Respiration* indicates the loss of reserves due to assimilate shortage when photosynthesis is smaller than the respiration; $W_{sapw.}$, biomass of living sapwood; $W_{res.}$, biomass of reserves; $W_{heartw.}$, mass of dead heartwood. Image by Peter Schippers.