Numbers of populations & classes (*OG* if class number >1) Possible Selection on genotypes or phenotypes Search for an Initial Details in Creation of initial genotypes as a function of *I loci type & number*, recominitial Fig. settings bination & mutation rates, max & initial allele number, allele frequency draw] demographic 3.5.1.1 Initial distribution of genotypes in population & classes eauilibrium Potential number of individuals across populations **NOG:** all individuals die. **OG:** individuals either die or stay in the & classes (= offspring + remaining individuals from Life same class or move to the next class previous events in **OG**) (i.e. Demographic death and survival) cvcle zygote Migration rates, female events potential fecundities & Mating system, possible hard Selection All genotypes distribution across populations & Regulations A1 (NOG) / A2 (OG) and B classes at RE t Offspring draw Final number of individuals across populations & classes (= offspring + remaining individuals in *OG*) Computing offspring Sexual & Clonal **Q** & **o** parents drawn fitness values reproduction from **RE t-1**, Zygote & male then building of gamete migration # types of & d gametes Fecundity selection Selection Offspring genotype details in Fig. 3.4.4.1 Recombination Mutation assignment