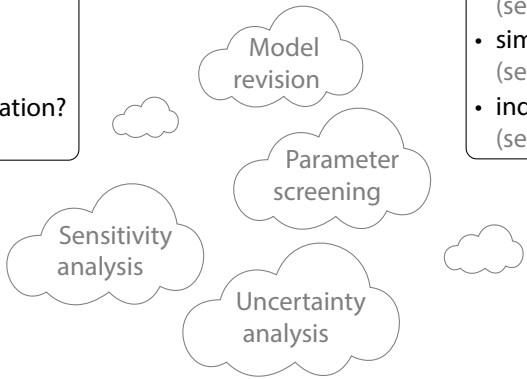
I. PREPARE – Before calibration

- insensitive parameters? (see Sect. 2.1)
- parameters with constraints? (see Sect. 2.2)
- data span orders of magnitude? (see Sect. 2.3)
- which data to use? (see Sect. 2.4)
- manual or automatic calibration? (see Sect. 2.5)

III. CHECK – After calibration

- parameter values converge/consistent? (see Sect. 2.10)
- objective function values converge/consistent? (see Sect. 2.10)
- simulation fits observations? (see Sect. 2.10)
- independent trials consistent? (see Sect. 2.10)



II. EXECUTE – During calibration

- parameters: ranges too narrow/wide? converge to values within range? large spread between trials? (see Sect. 2.6)
- objective function: fit looks like what you expected? important features of data matched? (see Sect. 2.7)
- calibration algorithm: results converge? independent trials look similar? increase budget? (see Sect. 2.8)
- single-objective vs. multi-objective: pareto front degenerated? reduce number of objectives? multi-objective results consistent with single-objective references? (see Sect. 2.9)