

LakeEnsemblr

Johannes Feldbauer, Małgorzata Golub, Robert Ladwig, Jorrit Mesmann, Tadhg Moore,
Tom Shatwell

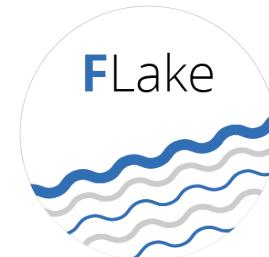


Ideal world:

You use the best suited model for
your project

Reality:

You use the model that your
supervisor/lab is using



Simstrat



=f(study site, available data, problem)

LakeEnsemblr

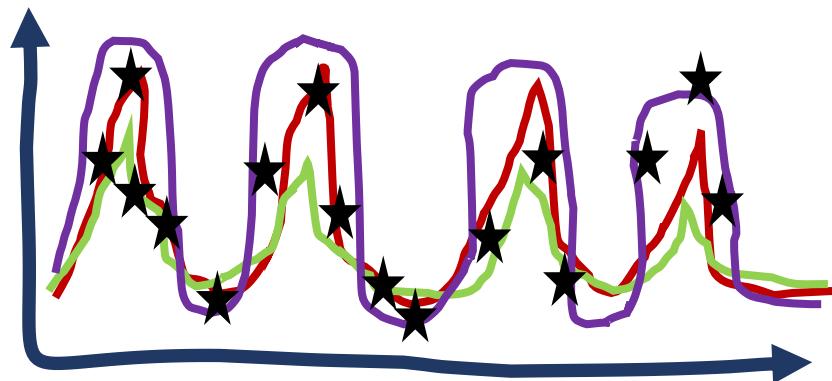
Johannes Feldbauer, Małgorzata Golub, Robert Ladwig, Jorrit Mesmann, Tadhg Moore,
Tom Shatwell



Ensemble lake modelling in R



Simstrat



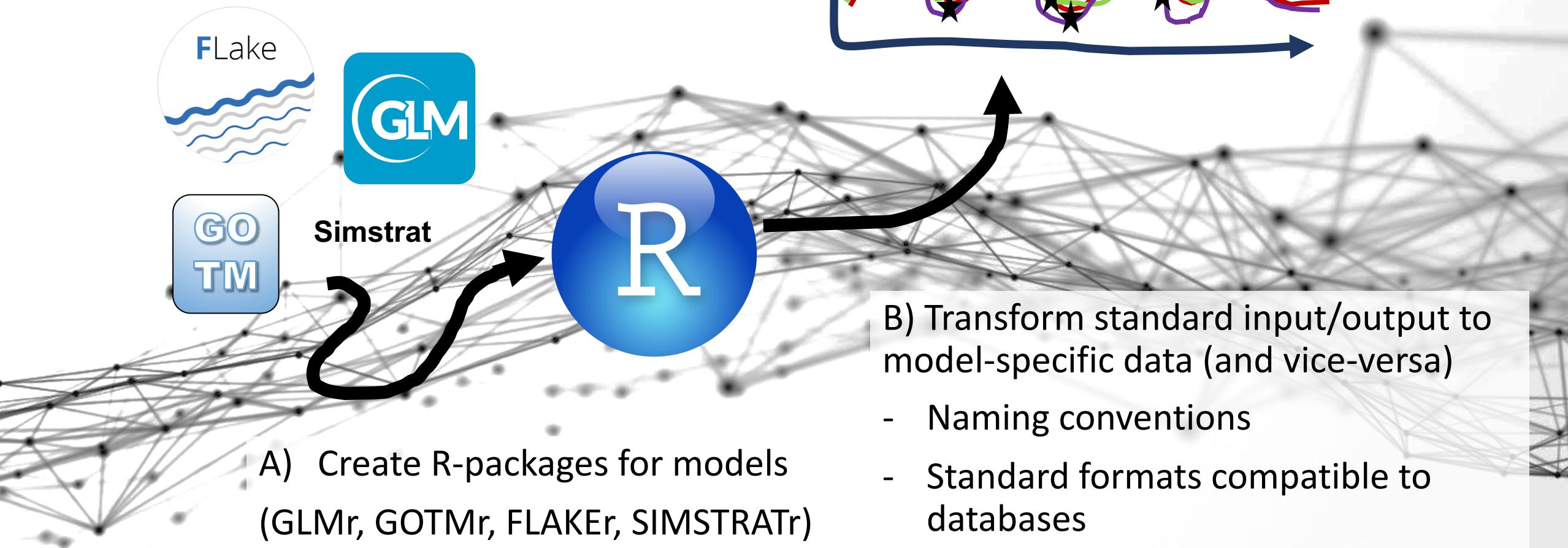
For now, only hydrodynamics
(long-term: aquatic ecosystem models)

LakeEnsemblr

Johannes Feldbauer, Małgorzata Golub, Robert Ladwig, Jorrit Mesmann, Tadhg Moore,
Tom Shatwell



Ensemble lake modelling in R



LakeEnsemblr

Johannes Feldbauer, Małgorzata Golub, Robert Ladwig, Jorrit Mesmann, Tadhg Moore,
Tom Shatwell



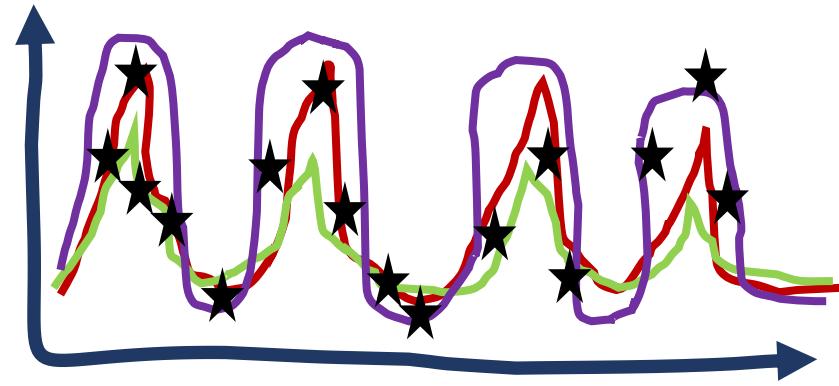
Ensemble lake modelling in R



Simstrat



Interested in numerical modelling,
and/or building R packages?



Benefits

- Get the best suited model for the problem
- Assess the fit of different models
- Uncertainty