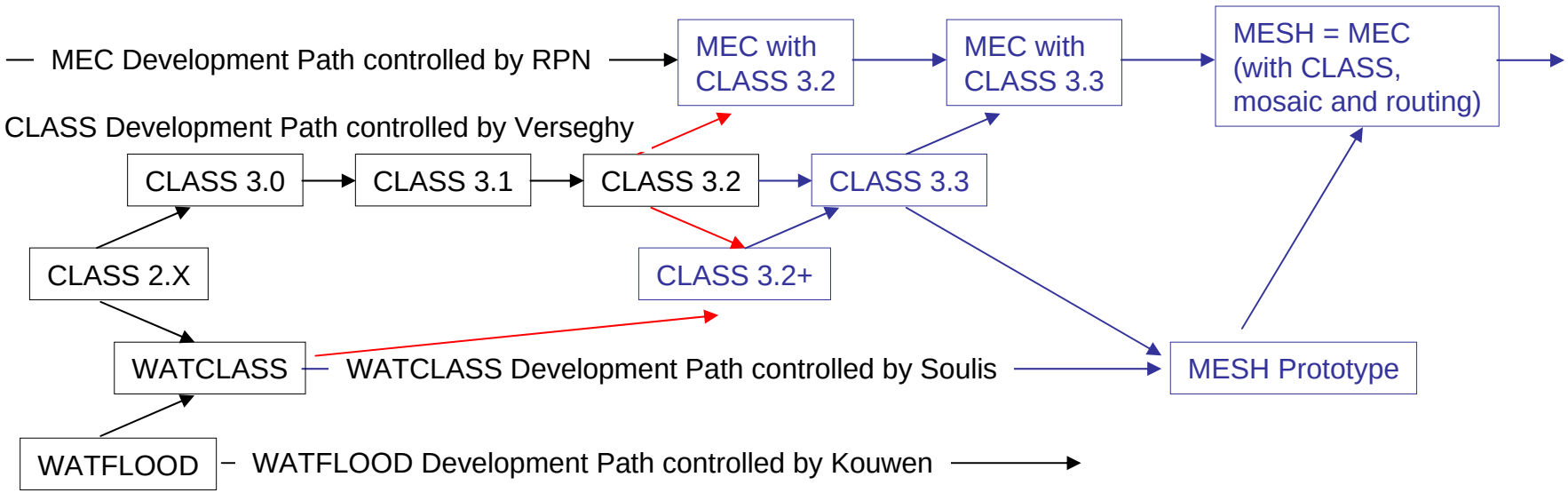
MESH Update

An attempt to pass the bus test…

MESH Development Progress



CLASS/WATCLASS code

Driver

CLASSD	Define physical constants passed through class common blocks.
CLASSB	Assign soil hydrological and thermal properties.
CLASSI	Estimate fractional cloud-cover and rainfall/snowfall rates if necessary.
GATPREP	Determine indices for gather-scatter operations on current latitude loop.
CLASSG	Gather operation on class variables.
CLASSA	Albedo & transmissivity calculations. General Vegetation characteristics.
CLASST	Surface temperature and flux calculations.
CLASSW	Water budget calculations.
CLASSS	Scatter operation on class variables.
wf_route	Route water downstream.

MESH: A MEC surface/hydrology configuration designed for regional hydrological modeling

- The tile connector (1D, scalable) redistributes mass and energy between tiles in a grid cell
  - e.g. snow drift
- The grid connector (2D) is responsible for routing runoff
  - can still be parallelized by grouping grid cells by subwatershed