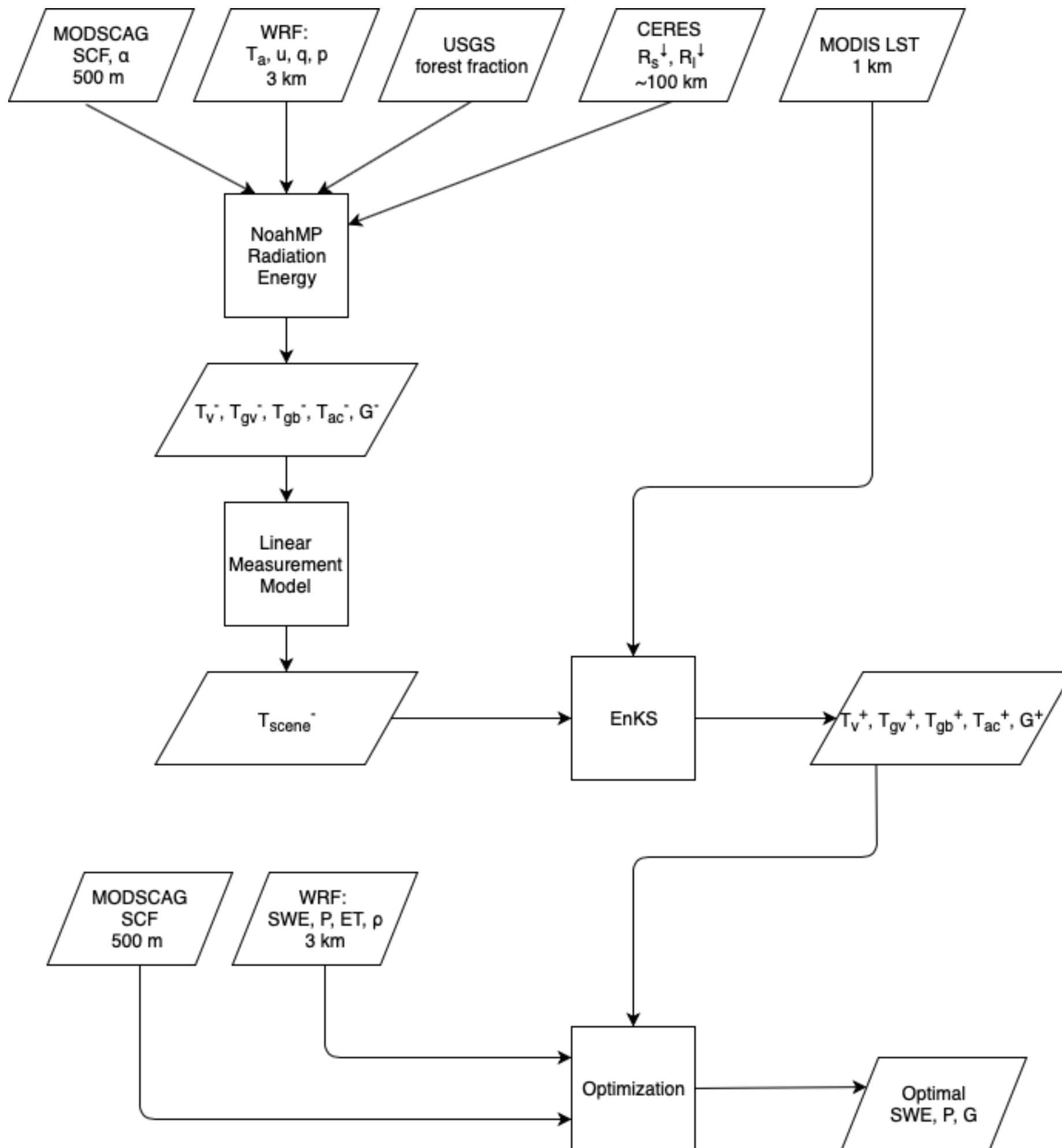


Progress on Blender

Mike Durand

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Optimization Algorithm

$$\min [\ell_2(SWE) + \ell_2(P) + \ell_2(G)]$$

$$\text{subject to: } SWE_t = SWE_{t-1} + P_{t-1} - M_{t-1}$$

$$U_{s,t} = U_{s,t-1} + SCF [1 - f(U_{s,t})] G\Delta t + U_p a$$

$$G_{melt} = SCF f(U_s) G$$

$$\ell_2(SWE) = \frac{1}{N} \sum_{t=1}^N \left(\frac{SWE_t - \overline{SWE}_t}{\sigma_{SWE}} \right)^2$$