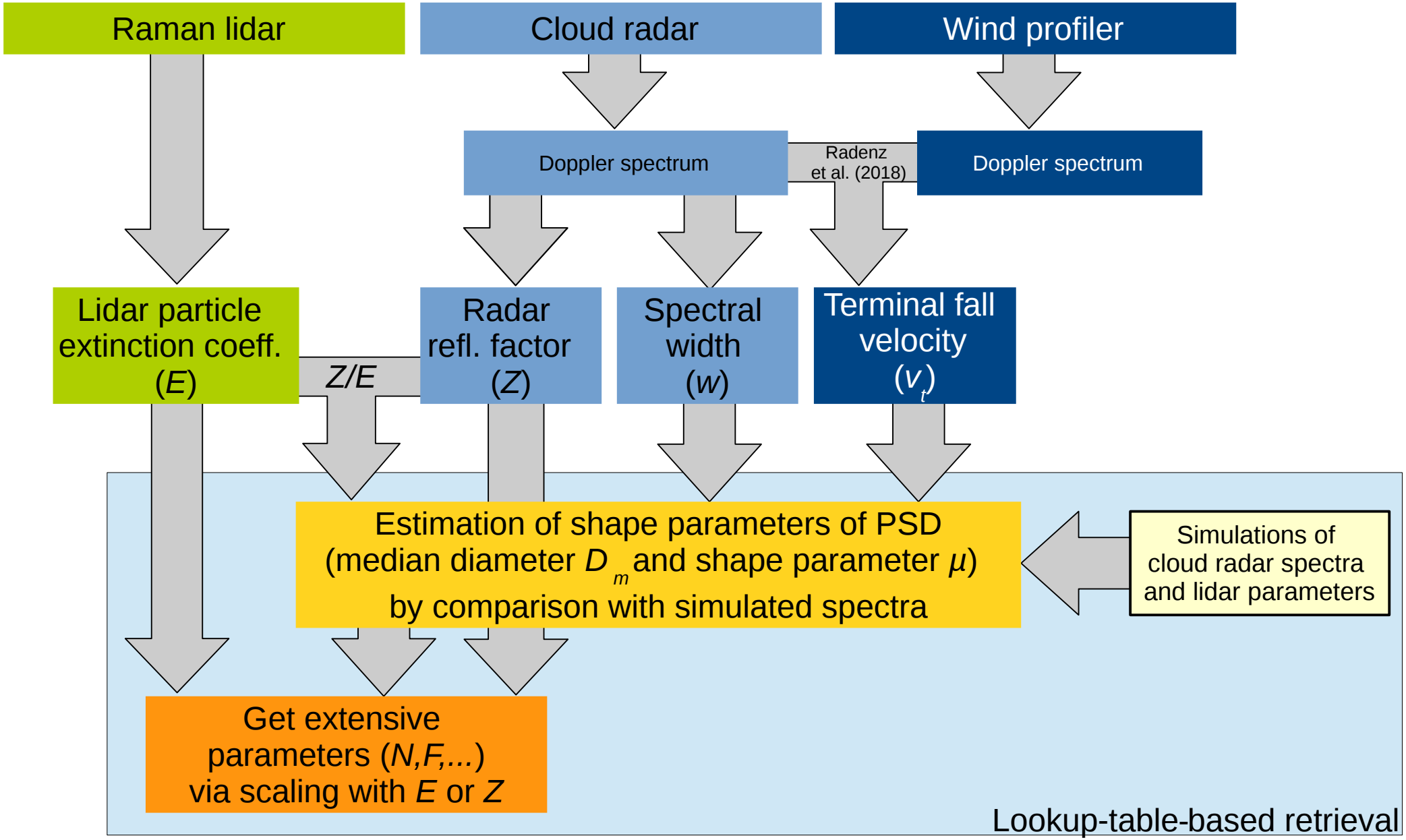
Raman lidar
Cloud radar
Wind profiler
Doppler spectrum
Radenz et al. (2018)
Doppler spectrum
Lidar particle extinction coeff. (E)
Z/E
Radar refl. factor (Z)
Spectral width (w)
Terminal fall velocity (v_t)
Estimation of shape parameters of PSD (median diameter D_m and shape parameter μ) by comparison with simulated spectra
Simulations of cloud radar spectra and lidar parameters
Get extensive parameters (N,F,...) via scaling with E or Z
Lookup-table-based retrieval