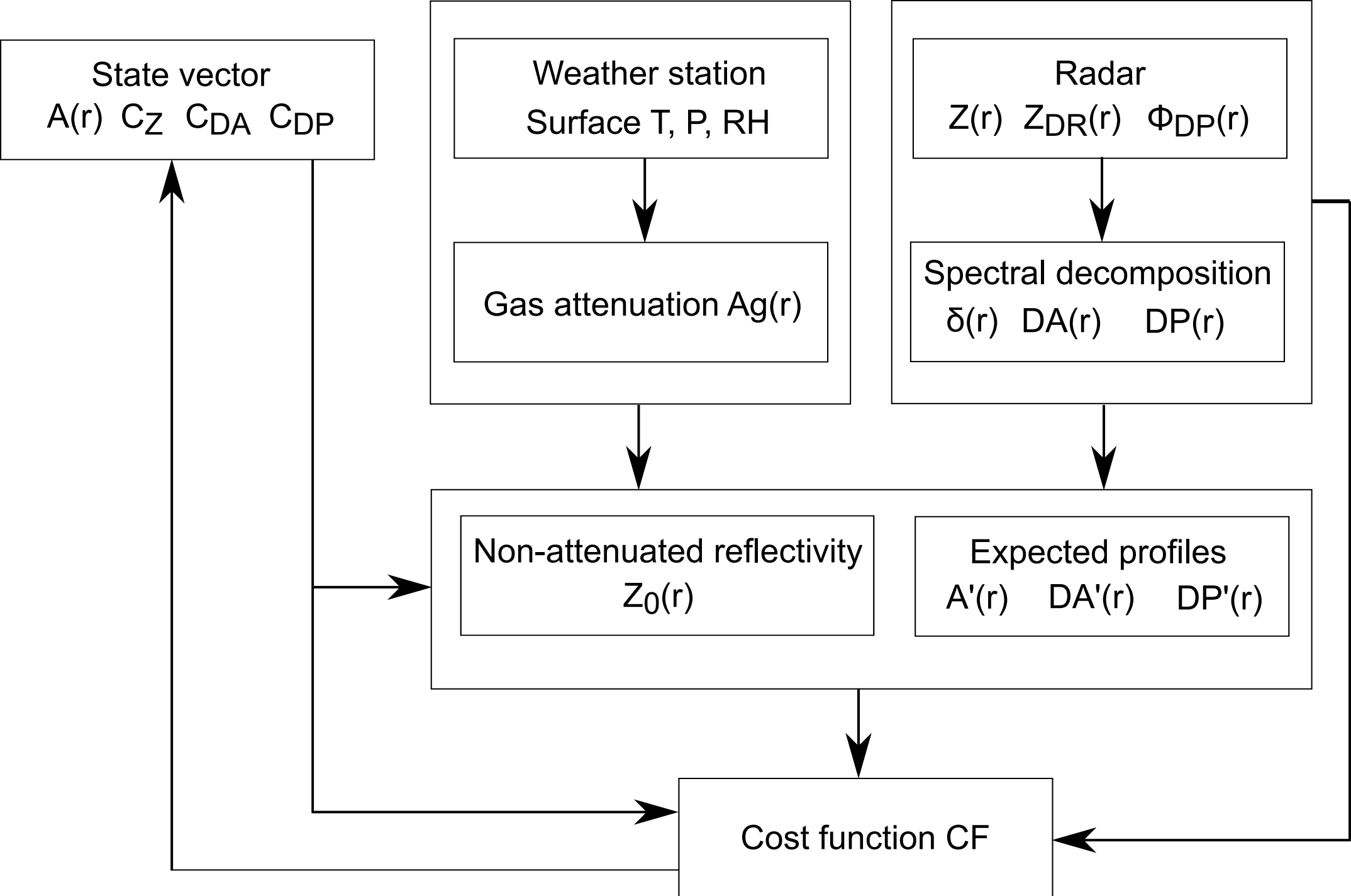
State vector
A(r) C_Z C_{DA} C_{DP}
Weather station
Surface T, P, RH
Gas attenuation Ag(r)
Radar
Z(r) $Z_{DR}(r)$ $\Phi_{DP}(r)$
Spectral decomposition
δ(r) DA(r) DP(r)
Non-attenuated reflectivity
$Z_0(r)$
Expected profiles
A'(r) DA'(r) DP'(r)
Cost function CF