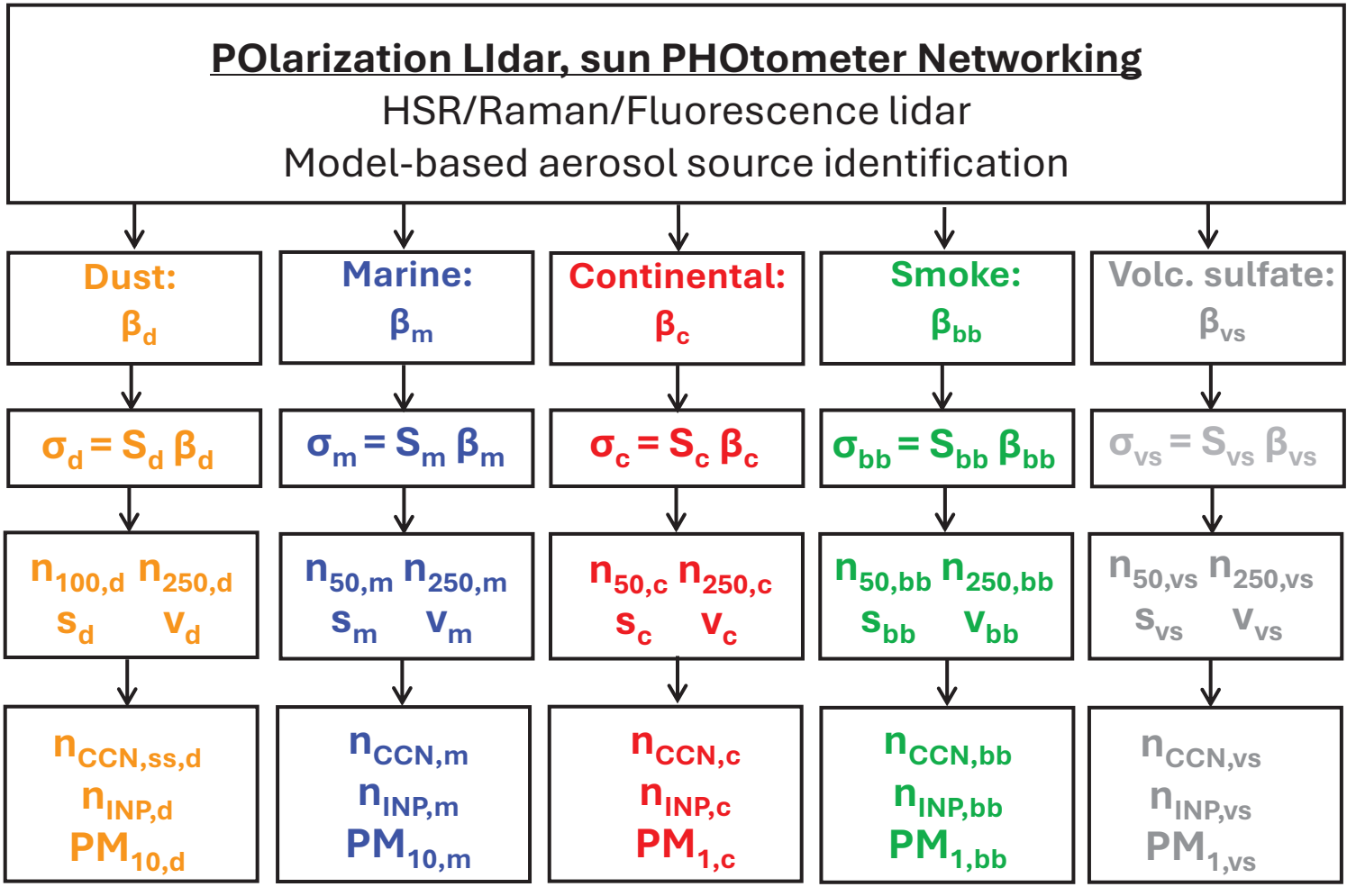
POlarization LIdar, sun PHOtometer Networking
HSR/Raman/Fluorescence lidar
Model-based aerosol source identification
Dust:
β_d
Marine:
β_m
Continental:
β_c
Smoke:
β_{bb}
Volc. sulfate:
β_{vs}
$\sigma_d = S_d \beta_d$
$\sigma_m = S_m \beta_m$
$\sigma_c = S_c \beta_c$
$\sigma_{bb} = S_{bb} \beta_{bb}$
$\sigma_{vs} = S_{vs} \beta_{vs}$
$n_{100,d}$ $n_{250,d}$
s_d v_d
$n_{50,m}$ $n_{250,m}$
s_m v_m
$n_{50,c}$ $n_{250,c}$
s_c v_c
$n_{50,bb}$ $n_{250,bb}$
s_{bb} v_{bb}
$n_{50,vs}$ $n_{250,vs}$
s_{vs} v_{vs}
$n_{CCN,ss,d}$
$n_{INP,d}$
$PM_{10,d}$
$n_{CCN,m}$
$n_{INP,m}$
$PM_{10,m}$
$n_{CCN,c}$
$n_{INP,c}$
$PM_{1,c}$
$n_{CCN,bb}$
$n_{INP,bb}$
$PM_{1,bb}$
$n_{CCN,vs}$
$n_{INP,vs}$
$PM_{1,vs}$