



Radars parameters  
( $v_t$ ,  $w$  and  $Z$ ) from  
 $Z(D)$  and  $v_t(D)$   
relationships and  
environmental variables  
pressure, temperature  
and turbulence.

Lidar extinction ( $E$ )  
from relationships between  $D$  and  
parameterizations of particle  
area  $A(D)$