

Prof. Jacques Piazzola
Mediterranean Institute of Oceanography (MOI UM n°110)
University of Toulon

Sources and transport of aerosols in coastal areas.



Sea-spray production through wave breaking processes-
Secondary formation
Impact

Numerical models (MADCMOD, MEDEX)
Boundary conditions (CHIMERE?)

Observation and data analysis-Experimental station on the island of
Porquerolles (see below)

Experimental measurements of the aerosol size distributions

After van Eijk, Kuzmierciek et Piazzola, 2011)

Secondary production-« Nnucléation mode »

Primary production of sea-spray particles through wave breaking –

« Giant mode »

