

Parameters currently perturbed in the COSMO ensembles and their values (operational configurations only).

COSMO-LEPS (Arpae for COSMO)

	parameters						
name	tur_len	pat_len	crsmin	rat_sea	rlam_heat	mu_rain	cloud_num
default	500	500	150	20	1	0.5	5.00 e08
assigned values	150, 500, 1000	500, 2000	50, 150, 200	1, 20, 40	0.1, 1, 5	0.5, 0	5.00 e08, 5.00 e07

COSMO-DE-EPS (DWD)

	parameters										
name	tur_len	a_stab	c_diff	radqi_fact	radqc_fact	rlam_heat	entr_sc	q_crit	tkh_min	tkm_min	lhn_coef
default	150	0	0.2	0.5	0.5	1	0.0003	1.6	0.4	0.4	1
assigned values	150, 500	1	0.1, 0.2, 2	0.5, 0.9	0.5, 0.9	0.1, 1, 10	0.0003, 0.002	1.6, 4	0.2, 0.4, 0.7	0.2, 0.4, 0.7	0.5, 1

TLE-MVE (IMGW)

Perturbation of c_soil ("Surface-area index of the evaporating fraction of gridpoints over land").

Default: 1.0.

Perturbation: from 0.1 to 2.0. Amplitude of perturbation depends on type of soil (big for light soils, like sand, small for heavy ones, like peat).