

-20+1 members, that are integrated at 00 UTC up to 48 hour forecast over the Mediterranean basin

- wind forcing from COSMO-ME EPS members

NETTUNO-ME (3' res., 30 freq., 36 dir.)

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**NETTUNO-IT** (1' res., 30 freq., 36 dir.)

## A case study: convective precipitation over southern Italy (27 August 2019, 12-18UTC)



deterministic forecasts : COSMO-ME vs COSMO-IT

## probabilistic forecasts : COSMO-ME EPS vs COSMO-IT EPS



6h cumulated precipitation from high-res DPC rain gauge network

As expected the COSMO-IT model well represents the precipitation pattern as regards the intensity and spatial/temporal localization especially over southern Italy

COSMO-IT EPS gives a better indication of probability of 6h cumulated precipitation >10 mm