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# Evolution of numerical weather prediction at Deutscher Wetterdienst 2015 - 2017

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## Schedule of upgrades of operational NWP system at DWD

- **January 2015:** ICON with 13 km grid spacing and 90 layers
- **July 2015:** ICON nest (2-way interaction) over Europe with 6.5 km grid spacing and 60 layers
- **January 2016:** Hybrid ensemble data / 3D-Var assimilation for ICON
- **Q2 / Q3 2016:** LETKF data assimilation for COSMO-D2 with 2.2 km grid spacing and 65 layers; extended domain
- **Q1 2017:** ICON-EPS with 40 km (20 km over Europe) grid spacing and 90 layers; 40 members