

| CAMS product | Atmospheric composition tracers  | Horizontal resolution | Number vertical levels | Initial conditions: meteorology | Initial conditions: atmospheric composition  | Time availability observations/analysis of atmospheric composition | Time availability of product |
|--------------|--|-----------------------|------------------------|---------------------------------|--|--|------------------------------|
| AN_CHEM      | Reactive gases ( <b>CO</b> , <b>O<sub>3</sub></b> , <b>NO<sub>2</sub></b> , etc.) and aerosols | 80 km                 | L60                    | Own analysis                    | Own analysis   | < 1 day  | < 1 day                      |
| FC_CHEM      | Reactive gases ( <b>CO</b> , <b>O<sub>3</sub></b> , <b>NO<sub>2</sub></b> , etc.) and aerosols | 80 km                 | L60                    | AN_CHEM                         | AN_CHEM  | < 1 day  | 0 days (real time)           |
| AN_GHG       | <b>CO<sub>2</sub></b> , <b>CH<sub>4</sub></b>  | 40 km                 | L137                   | Own analysis                    | Own analysis   | 2–4 days   | 4 days                       |
| FC16s        | <b>CO<sub>2</sub></b> , <b>CH<sub>4</sub></b> and <b>linCO</b>                                 | 16 km                 | L137                   | ECMWF operational analysis      | Previous 1-day forecast  | n/a  | 1 day                        |
| FC9s         | <b>CO<sub>2</sub></b> , <b>CH<sub>4</sub></b> , <b>linCO</b> and tagged tracers                | 9 km                  | L137                   | ECMWF operational analysis      | AN_GHG 4-day fc for <b>CO<sub>2</sub></b> / <b>CH<sub>4</sub></b> and AN_CHEM for <b>linCO</b> | 4 day for AN_GHG; < 1 day for AN_CHEM                              | 1 day                        |