PARIS REINFORCE

**CO₂**

Carbon dioxide

42   DICE   E3ME   GCAM
Gemini-E3   ICES   MUSE   TIAM
CONTO   MAPLE   MARKAL-India
NATEM   TIMES-CAC   ALADIN
FORECAST   EU-TIMES   LEAP
NEMESIS

**N₂O**

Nitrous oxide

E3ME   GCAM   Gemini-E3
ICES   MUSE   TIAM   NATEM
TIMES-CAC   ALADIN   LEAP
NEMESIS

**CH₄**

Methane

E3ME   GCAM   Gemini-E3
ICES   MUSE   TIAM
NATEM   TIMES-CAC
ALADIN   LEAP
NEMESIS

**CO₂\***

Carbon dioxide from land use

DICE   E3ME   GCAM
ICES   MUSE   SISGEMA
TIMES-CAC   NEMESIS

**F-\***

Fluorinated gases
(HFCs, PFCs, SF₆, NF₃)

E3ME   GCAM   Gemini-E3
ICES   NATEM   ALADIN
LEAP   NEMESIS

**VOC**

Other pollutants (CO, VOC)

E3ME   GCAM   LEAP

**PMs**

Particular matter (BC, OC, PM₂.₅)

E3ME   GCAM   MUSE   MAPLE
LEAP

**NH₃**

Ammonia

GCAM
LEAP

**NOₓ**

Nitrogen oxides

E3ME   GCAM   MUSE
MAPLE   LEAP

**SOₓ**

Sulphur oxides

E3ME   GCAM   MUSE
MAPLE   LEAP

GREENHOUSE GASES

OTHER POLLUTANTS

**Emissions coverage**

The effects on a range of GHG emissions and other pollutants can be calculated by means of the PARIS REINFORCE modelling ensemble. This allows for a better understanding of how a particular policy can contribute towards NDCs, for example, and of what further measures must be taken beyond such policies to ensure full compliance with the Paris Agreement, as well as complementary benefits in reducing air pollution. Across the broad range of the project's modelling ensemble, the GHGs considered include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and fluorinated gases (HFCs, PFCs, SF₆, and NF₃); while the pollutants considered include particulate matter (PMs), sulphur oxides (SOₓ), nitrogen oxides (NOₓ), ammonia (NH₃), and others (e.g. CO, VOC). Evidently, the primary focus of most models is on CO₂ emissions from fossil fuels.