

Earth system model "MIROC-ES2L"

- *BC, OC, SO₂, Fe emissions*
- *H₂O₂, OH, NO₃ conc.*
- *N deposition*
- *Biogenic precursors*
- *Stratospheric aerosol*

- *Solar*
- *CO₂ emission*
- *GHGs and O₃ conc.*

Continental & hydrothermal Fe

LUC & N fertilizer

