

<b>Technology definition</b>	A technology for tracking, diagnosing and predicting past, present and future climate patterns through observation, monitoring and analysis of natural and anthropogenic factors of climate change and numerical modeling of factors that change the global climate system
<b>Keywords</b>	Earth system model, Regional climate model, Numerical modeling, Seamless prediction, Coupled model, Climate model, Atmospheric model, Ocean model, Land surface model, Sea ice model, Biogeochemistry, Climate change scenario, Projection, Historical run, Pre-industrial control run, Detection, Attribution, Climate extreme, Green house gas, Aerosol, Climate variability, Climate sensitivity, Satellite observation, Carbon tracker
<b>Related sub-technology</b>	<ol style="list-style-type: none"><li>1. Climate Change Monitoring</li><li>2. Climate Change Information System</li></ol>