IPCC Special Report on Global Warming of 1.5°C
Global emission pathway characteristics: CO₂

In pathways limiting global warming to 1.5°C with no or limited overshoot as well as in pathways with a high overshoot, CO₂ emissions are reduced to net zero globally around 2050.
Different pathways and mitigation strategies could limit global warming to 1.5°C
Shell Sky, IEA Energy Technology Perspectives and the Integrated Assessment Models

Range of IAM scenarios
- 2DS (25-75% range)
- 1.5DS-OS (25-75% range)

Source: IPCC 1.5 Chapter 2
Primary energy 2040 in three pathways

Source: IPCC/IIASA 1.5 database
GDP loss in 2050 due to mitigation efforts versus expected peak 21st century warming: AIM model

Source: IPCC/IIASA 1.5 database
How the level of global warming affects impacts and/or risks for selected natural, managed and human systems

Confidence level for transition: L=Low, M=Medium, H=High and VH=Very high
http://www.iiasa.ac.at/web/home/about/news/181015-interactive-scenario.html

https://www.ipcc-wg3.ac.uk/

http://www.ipcc.ch/report/sr15/