Fix $\psi_{1} = 0.700$, compare ψ_{0} R & D investment as percentage of GDP 0.6 0.5 0.4 % of GDP 0.3 0.2 $\psi_0 = 0.003, \psi_1 = 0.7$ 0.1 $\psi_0 = 0.006, \psi_1 = 0.7$ $\psi_0 = 0.009, \psi_1 = 0.7$ 0.0 Ó 60 10 20 40 50 30 70 Years Physical investment 250 $\psi_0 = 0.003, \psi_1 = 0.7$ $\psi_0 = 0.006, \psi_1 = 0.7$ $\psi_0 = 0.009, \psi_1 = 0.7$ 200 150 100 50 0 Ó 10 20 60 40 50 70 30 Years **Emission** $\psi_0 = 0.003, \psi_1 = 0.7$ $\psi_0 = 0.006, \psi_1 = 0.7$ 20 $\psi_0 = 0.009, \psi_1 = 0.7$ 15 10 5 0 10 20 30 40 50 60 0 70 Years Temperature anomaly 3.0 $\psi_0 = 0.003, \psi_1 = 0.7$ $\psi_0 = 0.006, \psi_1 = 0.7$ 2.5 $\psi_0 = 0.009, \psi_1 = 0.7$ 2.0 1.5 1.0 0.5 0.0 20 10 30 40 50 60 0 70 Years I_g, technology jump intensity $\psi_0 = 0.003, \psi_1 = 0.7$ 0.175 $\psi_0 = 0.006, \psi_1 = 0.7$ $\psi_0 = 0.009, \psi_1 = 0.7$ 0.150 0.125 0.100 0.075 0.050 0.025 0.000 10 20 60 Ó 30 40 50 70 Years technology probability 1.0 $\psi_0 = 0.003, \psi_1 = 0.7$ $\psi_0 = 0.006, \psi_1 = 0.7$ $\psi_0 = 0.009, \psi_1 = 0.7$ 0.8 +0.6 0.4 0.2 0.0 10 60 20 40 50 0 30 70 Years Damage jump probability 1.0 $\psi_0 = 0.003, \psi_1 = 0.7$ $\psi_0 = 0.006, \psi_1 = 0.7$ $\psi_0 = 0.009, \psi_1 = 0.7$ 8.0 0.6 0.4 0.2 0.0 Ó 10 20 30 40 60 50 70

Years