Fix $\psi_{1} = 0.500$, compare ψ_{0} R & D investment as percentage of GDP 0.40 0.35 0.30 0.25 5 0.20 % 0.15 0.10 $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ 0.05 $\psi_0 = 0.009, \psi_1 = 0.5$ 0.00 Ó 20 10 60 30 40 50 70 Years Physical investment 250 $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ $\psi_0 = 0.009, \psi_1 = 0.5$ 200 150 100 50 0 Ó 10 20 50 60 30 40 70 Years **Emission** $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ 20 $\psi_0 = 0.009, \psi_1 = 0.5$ 15 10 5 0 10 20 Ó 30 50 60 40 70 Years Temperature anomaly 3.0 $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ 2.5 $\psi_0 = 0.009, \psi_1 = 0.5$ 2.0 1.5 1.0 0.5 0.0 10 20 30 50 60 0 40 70 Years I_g, technology jump intensity $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ 0.10 $\psi_0 = 0.009, \psi_1 = 0.5$ 0.08 0.06 0.04 0.02 0.00 10 20 Ó 30 40 50 60 70 Years first technology probability 1.0 $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ $\psi_0 = 0.009, \psi_1 = 0.5$ 0.6 0.4 0.2 0.0 10 0 20 50 60 30 40 70 Years Damage jump probability 1.0 $\psi_0 = 0.003, \psi_1 = 0.5$ $\psi_0 = 0.006, \psi_1 = 0.5$ $\psi_0 = 0.009, \psi_1 = 0.5$ 8.0 0.6 0.4 0.2 0.0 10 20 Ó 30 60 40 70 50 Years