**Pandemic Lockdown: The Role of Government Commitment: Moser and Yared (2020)**

The model features separated-agent (workers and firm owners) macro model with a strict investment-lockdown-production-and-pandemic transmission timing. The pandemic evolves endogenously according to an SIRD model. The model aims at examining impacts of lockdown-policies subject to government’s commitment and no-commitment policy styles on the aggregate output and the health status of the economy.

SIR block: The SIRD transmission dynamic is endogenous and independent of economic behaviors except for the government’s lockdown policy.

Economic model: The model assumes strictly four stages of economic (and pandemic) activities with key feature being: firm owners make irreversible investment before government determines the lockdown policy. Goods and labor markets are perfectly competitive.