

$$\begin{array}{ccc}
 \mathbf{P} & \xrightarrow{\text{PF-GIC } (\mathbf{P} \leq \Gamma)} & \Gamma \\
 & \searrow \text{RIC } (\mathbf{P} \leq \mathbf{R}) & \nearrow \text{FWC } (\Gamma \leq \mathbf{R}) \\
 & \mathbf{R} & \xleftarrow[\text{FWC}]{\mathbf{R}^{1/\rho} \Gamma^{1-1/\rho}}
 \end{array} \tag{1}$$