

$$\begin{array}{ccc}
 & S^* & \\
 \mathcal{E}^\bullet(\mathbb{R}^2) & \xrightarrow{\quad} & \mathcal{E}^\bullet(\mathbb{R}), \\
 & \xleftarrow{\quad} & \\
 & \pi^* & 
 \end{array}$$