

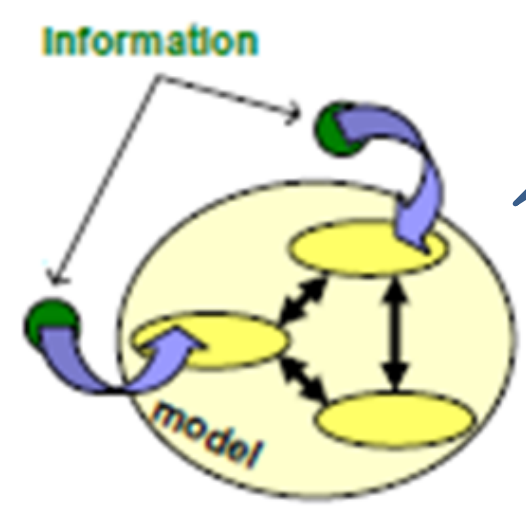
Transfer, Problem Solving, and Motivation

– Getting our Students in Flow

N. Sanjay Rebello & Dean A. Zollman

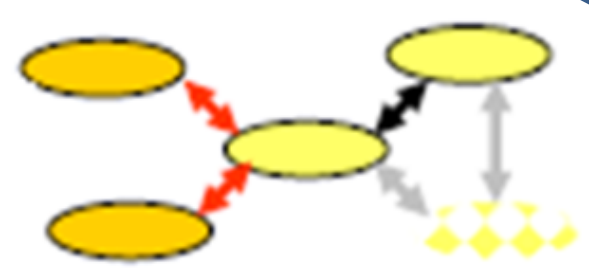
Two types of transfer

► Horizontal



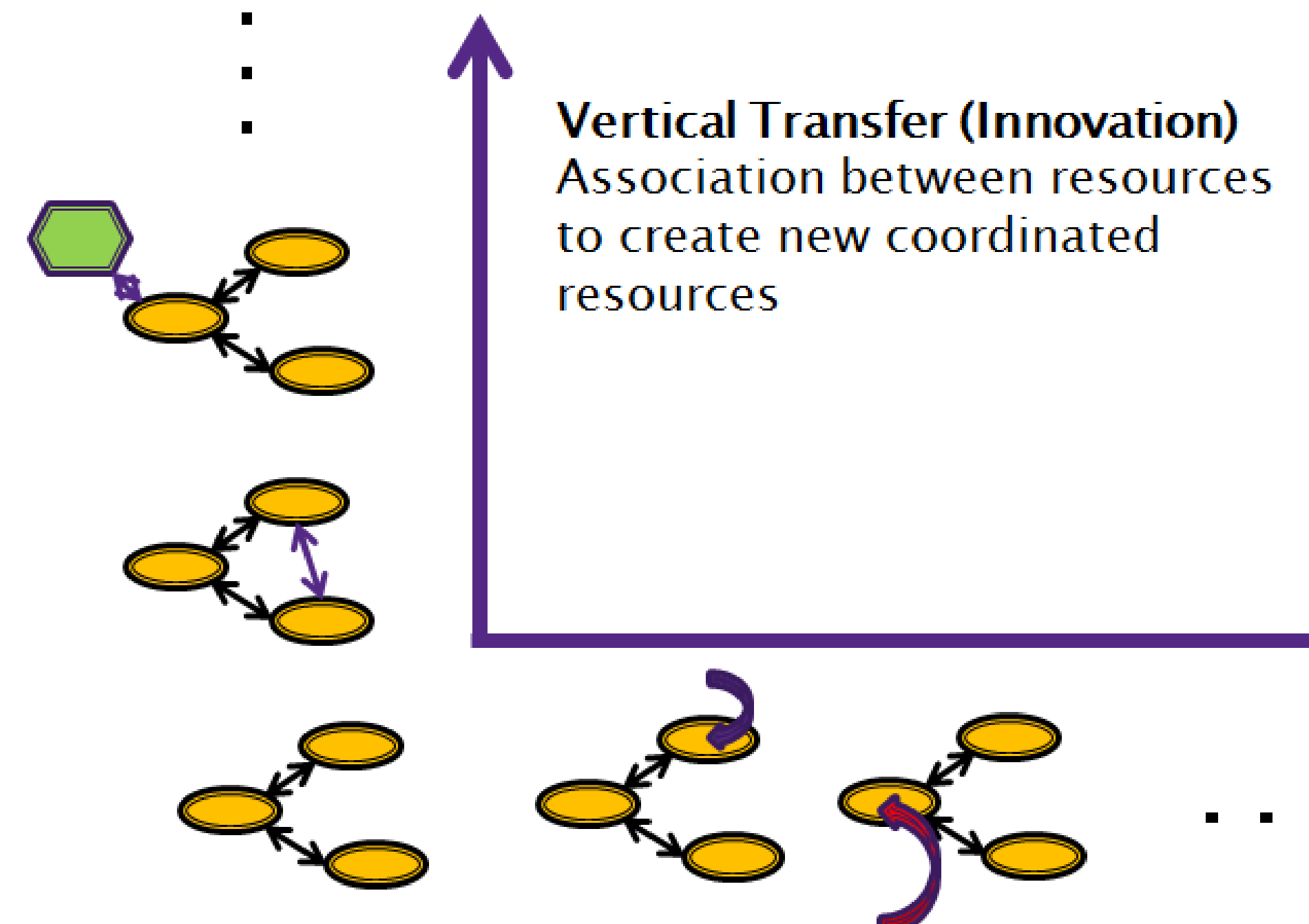
Creates efficiency at solving certain types of problems

► Vertical



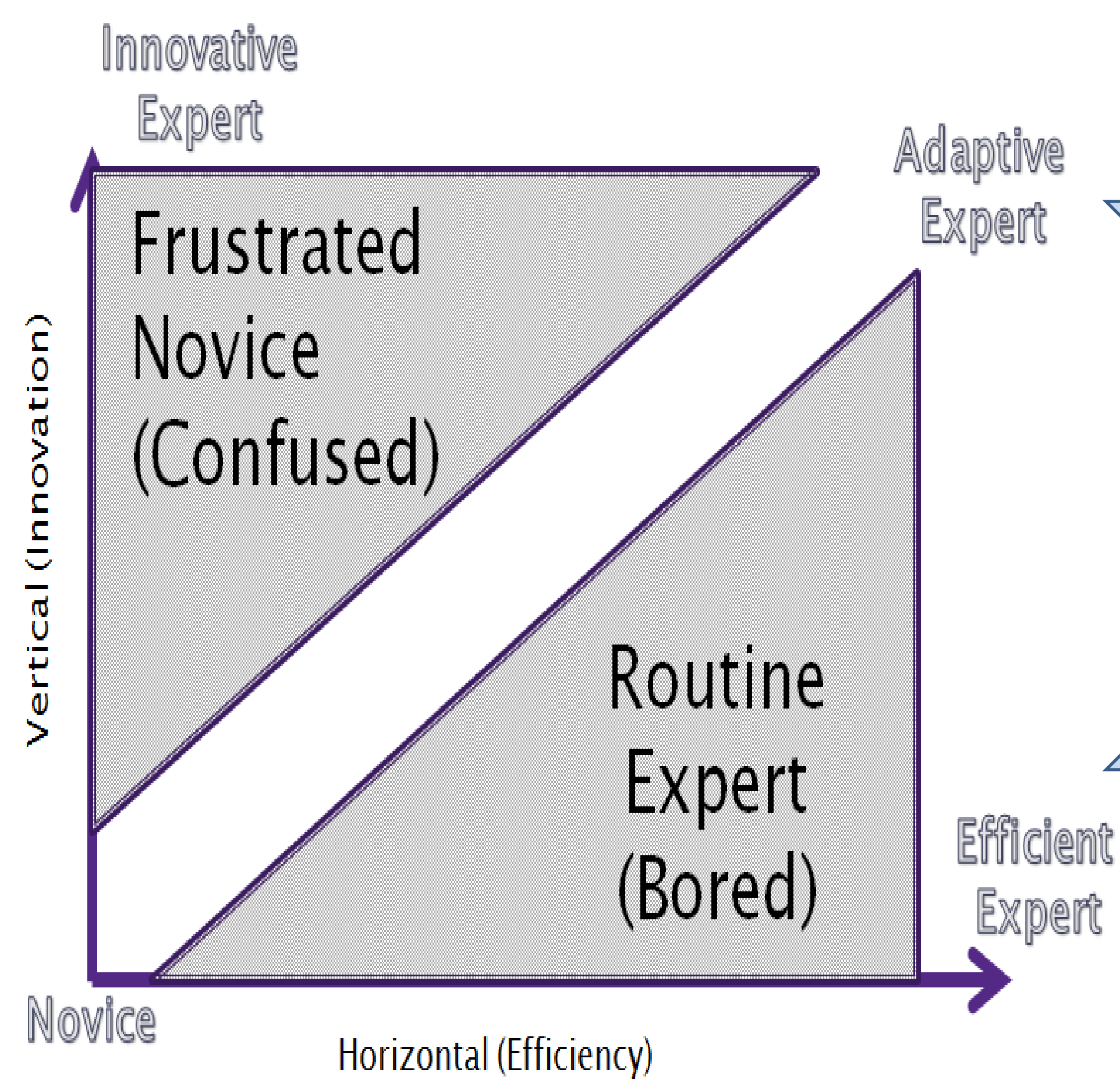
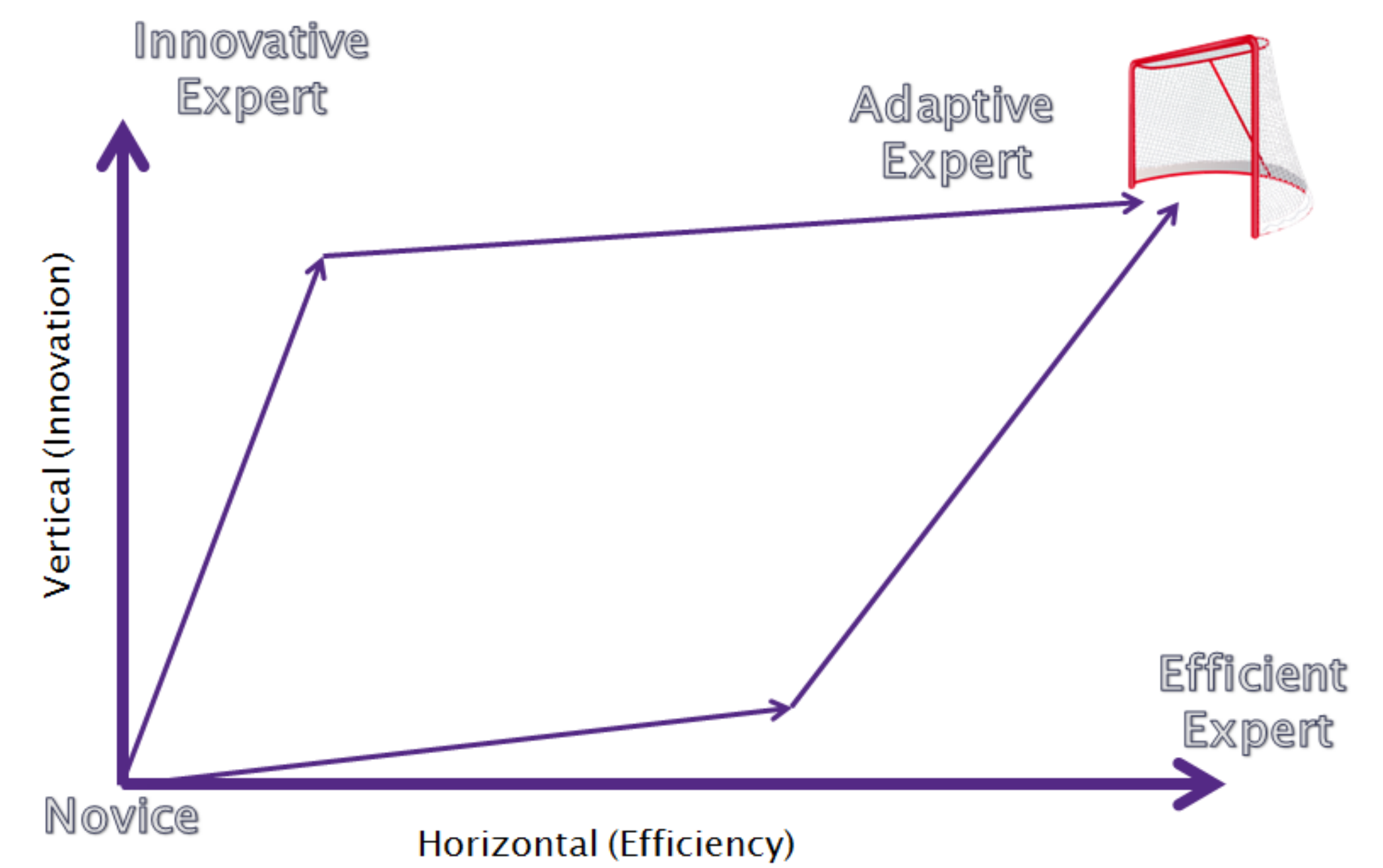
Creates the ability to innovate by modifying models to solve novel problems

New knowledge elements are incorporated to modify the model or create a new one.

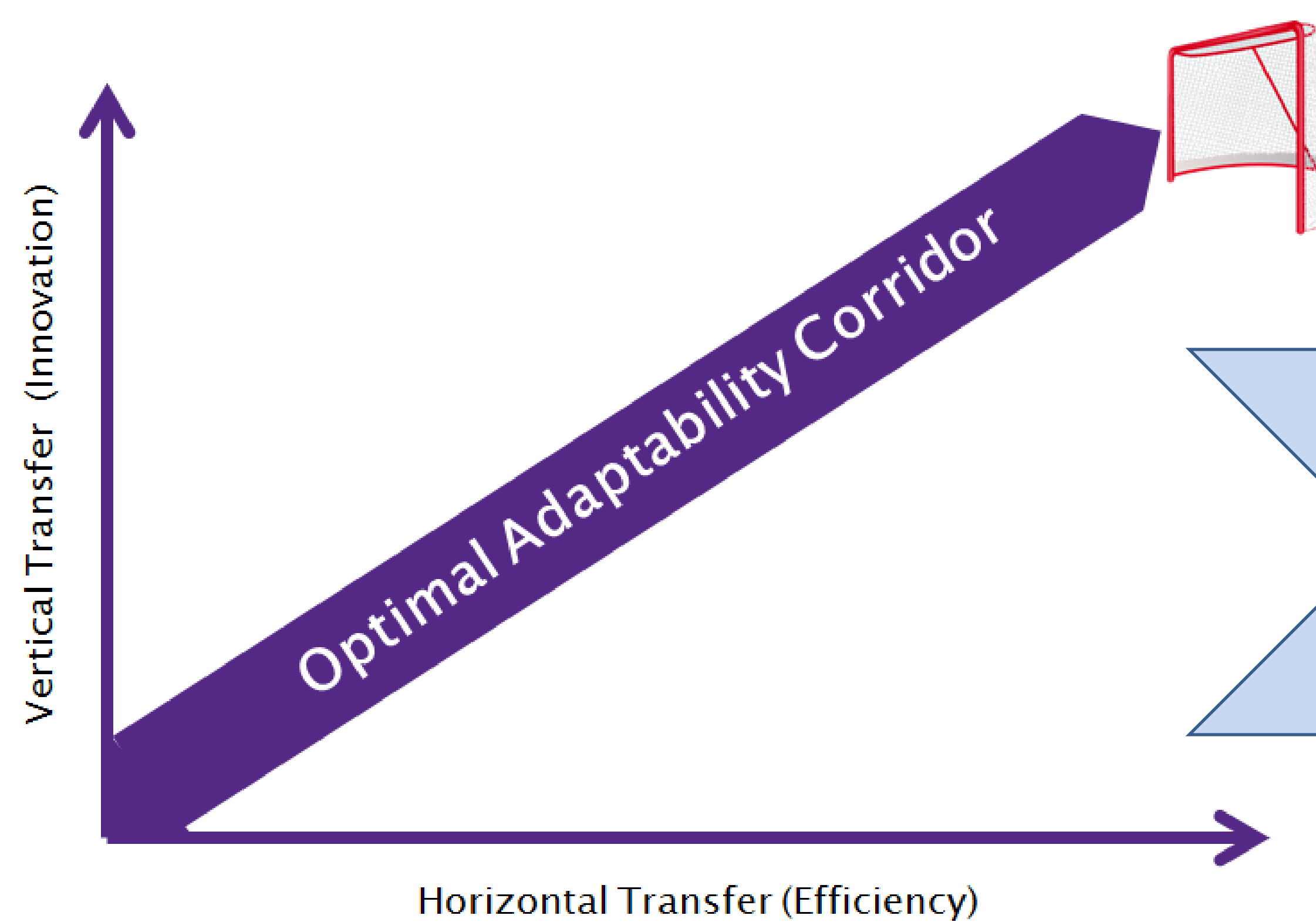
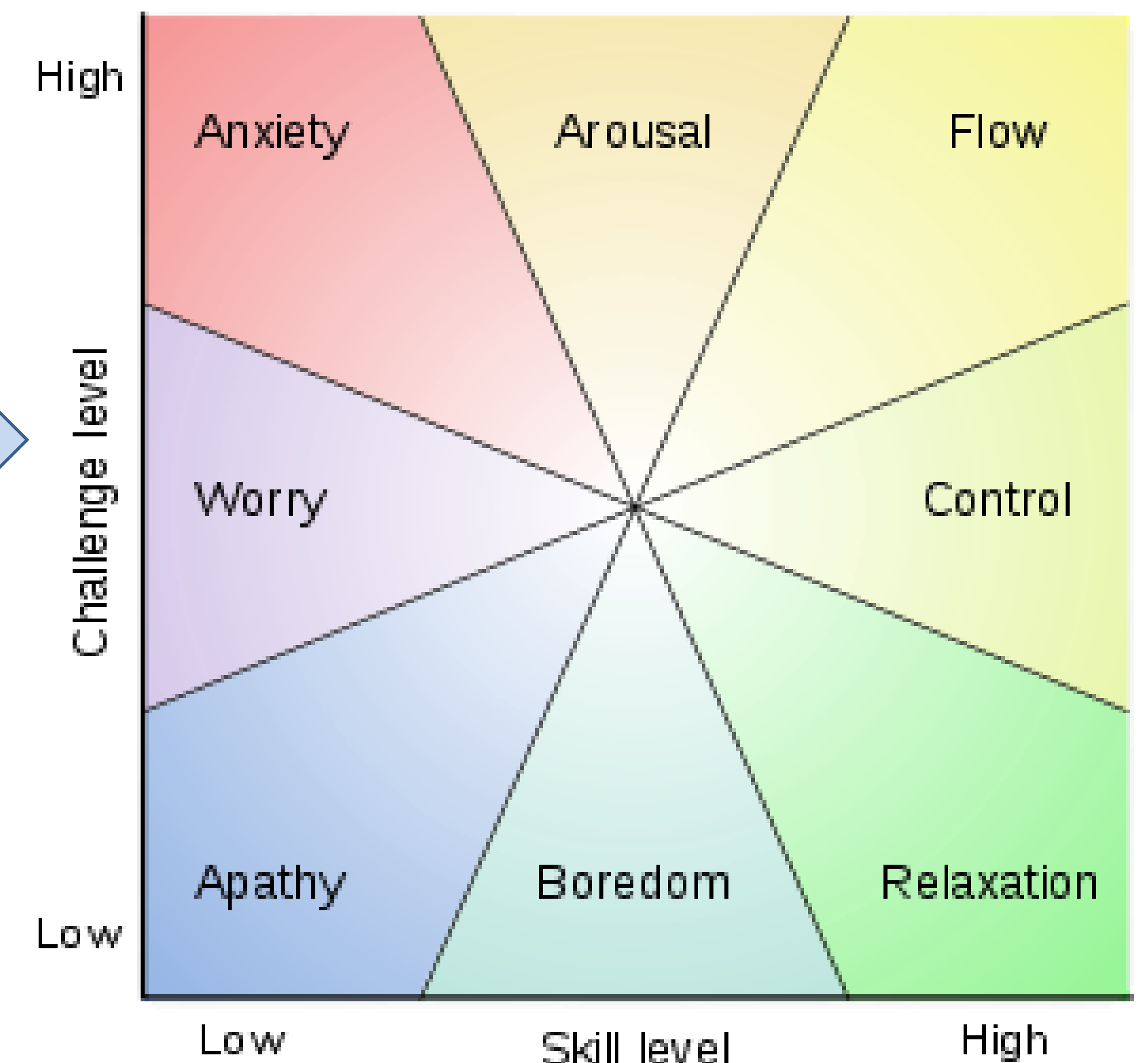


Vertical Transfer (Innovation)
Association between resources to create new coordinated resources

Horizontal Transfer (Efficiency)
Assignment of new information into an existing resource or set of resources



ADAPTIVE EXPERTISE is related to FLOW



Getting students to be in the FLOW

