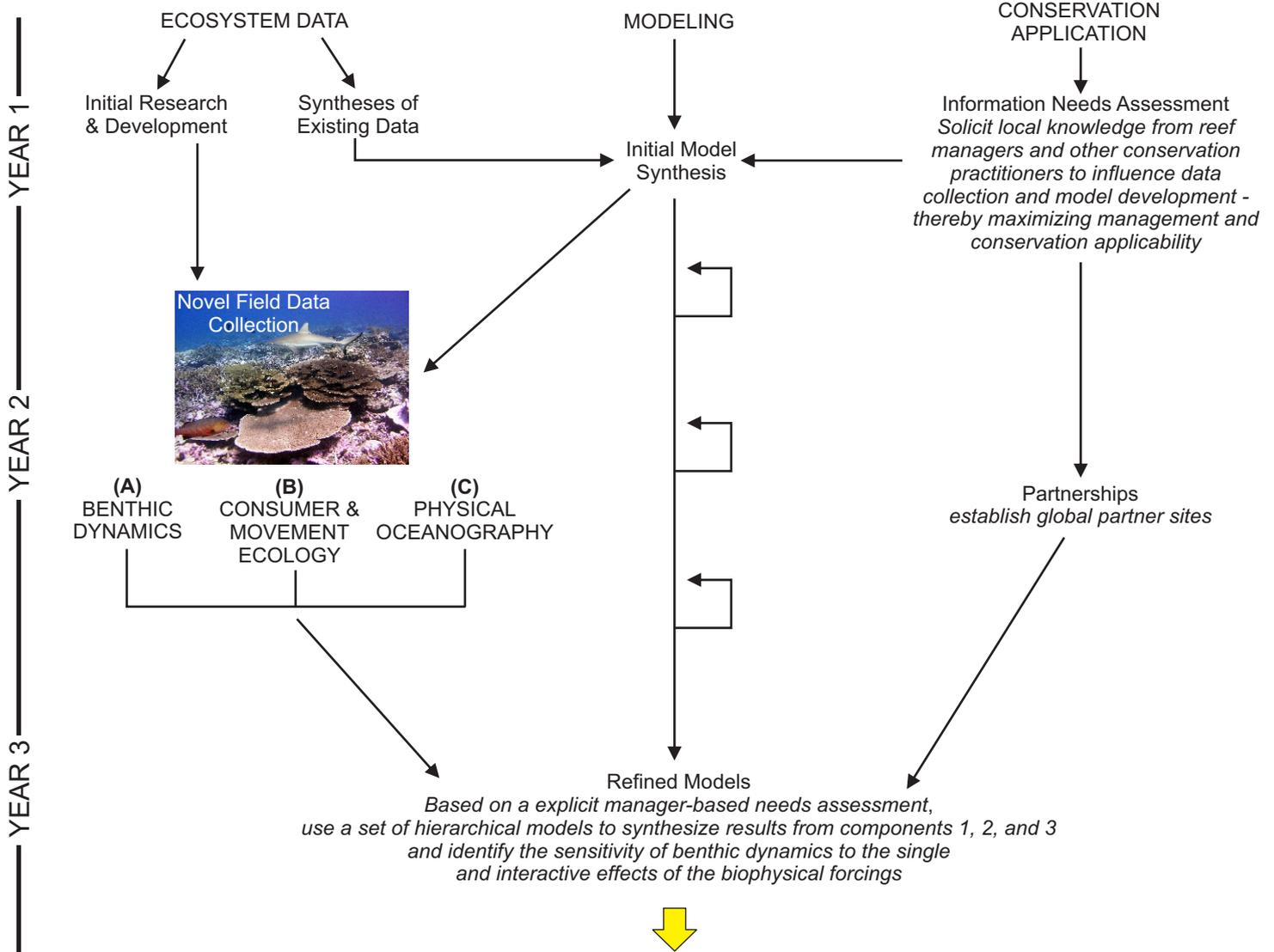


# PHASE 1

Advances in reef resilience science and its application to conservation require an integrated study of healthy reef systems in addition to degraded reefs. Initially, our project will focus on existing theory and data sets from Palmyra Atoll and elsewhere, novel baseline measurements of Palmyra's healthy, intact reef system, and synthesis of local information needs for conservation



## PHASE 1 OUTCOME

By developing a novel reef resilience model – based on syntheses of existing data and targeted new observations, and informed by a systematic analysis of management and conservation needs – we will fill a critical gap in coral reef science while laying the groundwork for future application to conservation and management



## PHASE 2

# PHASE 2

Building on previous syntheses of reef patterns, processes, and information needs for better management, we will invest in new observations across a wider range of biophysical forcings, experiments for improved mechanistic understanding, and collaborative conservation applications

