

Introduction

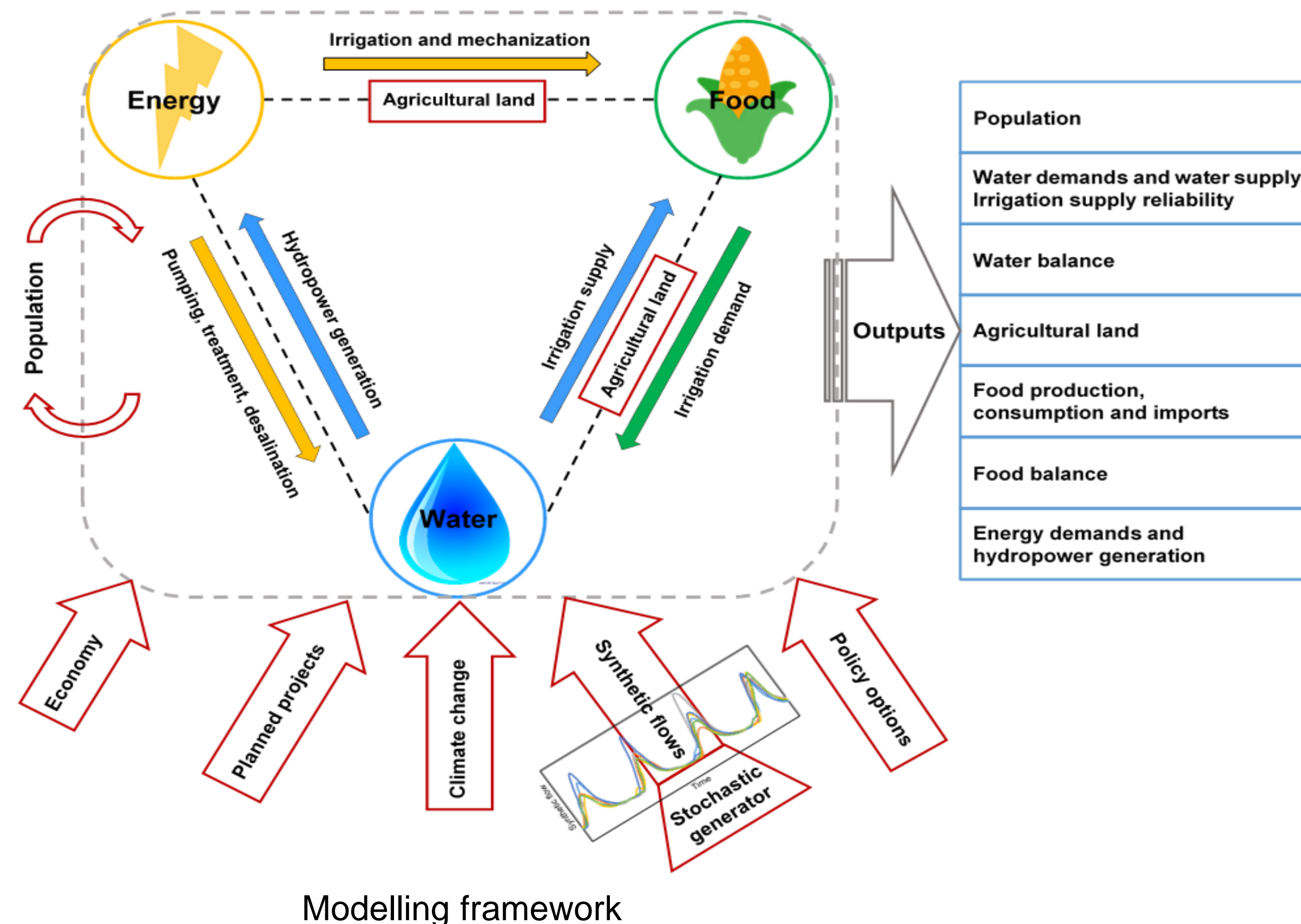
The Nile - a transboundary river

- 11 riparian countries and home for about 250 million people
- Rapid population, economic and urbanization growth are projected
- Basin-wide planned development can result in regional cooperation or trigger conflicts
- The nexus approach is relevant for addressing broader interdependency and managing interlinked resources in a holistic manner

Modelling Methodology

Systems-based approach addresses the nexus interactions in the Nile basin

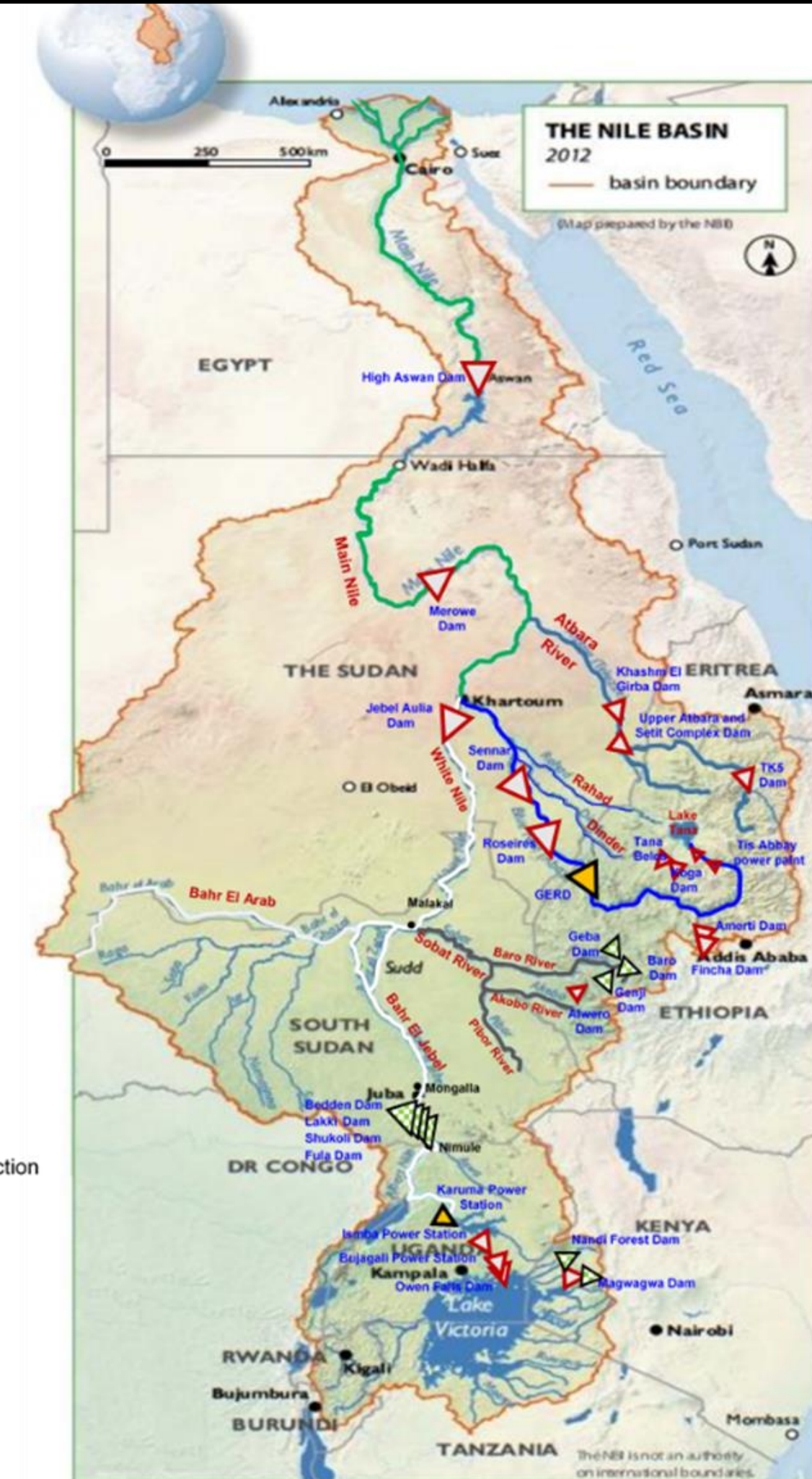
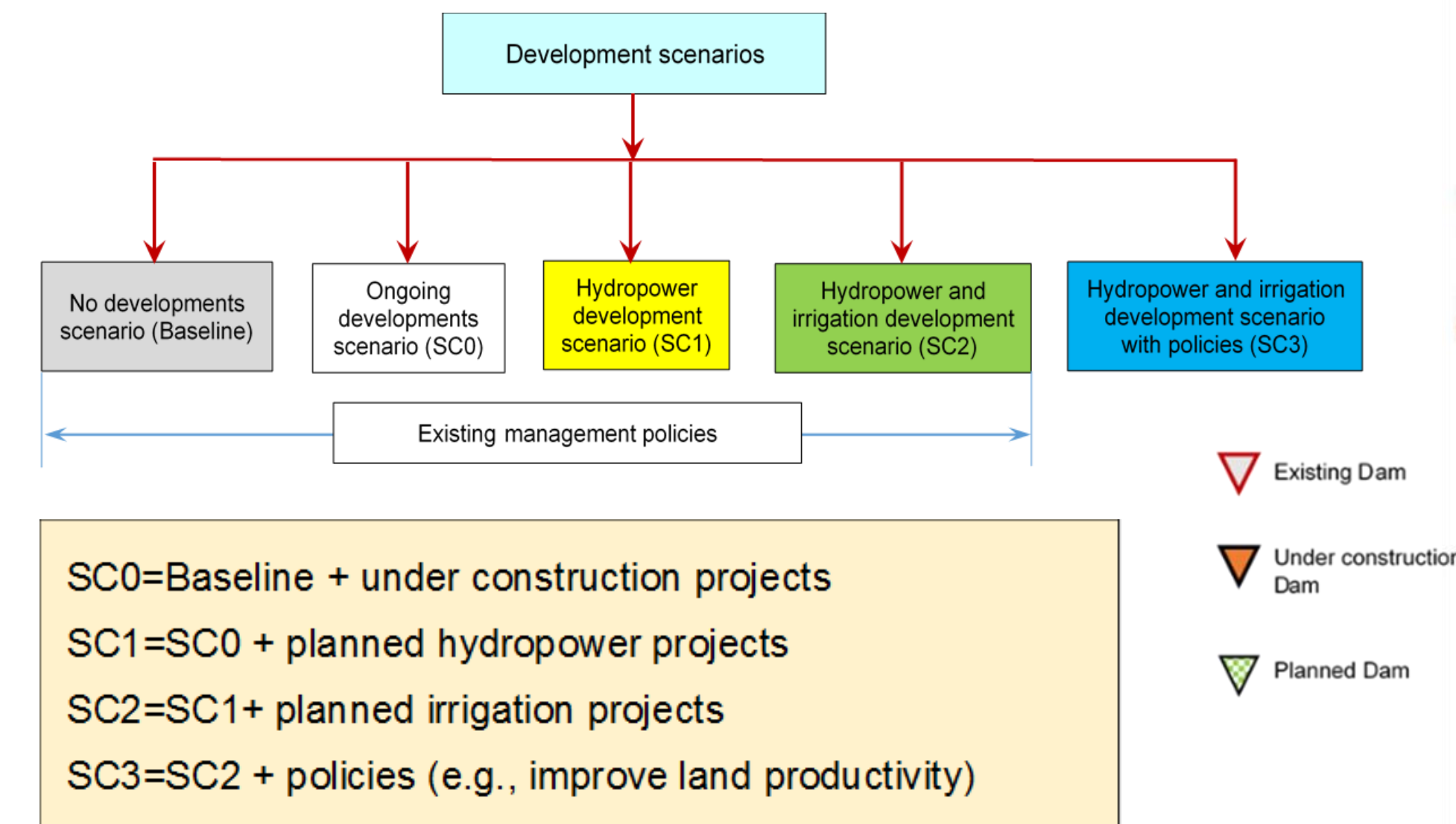
- The modelling framework considers the interlinkages among the water, food and energy sectors
- A system dynamics model was built for the entire Nile basin



Simulation Scenarios

Planned projects with completed feasibility studies are considered

- 5 plausible development scenarios (baseline, SC0, SC1, SC2 & SC3)
- 100 synthetic streamflow series 65 years long used for simulations



Simulation Results

