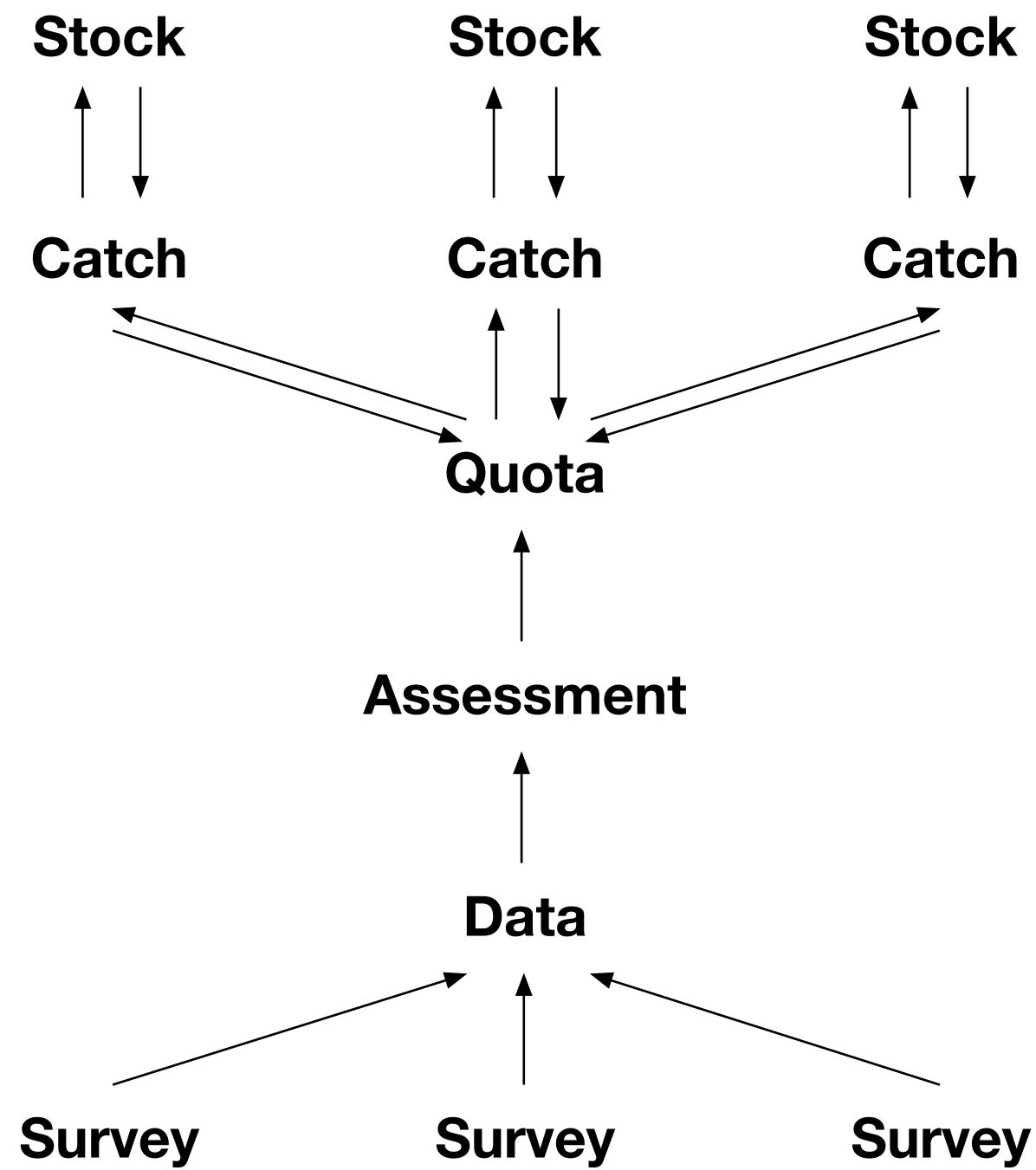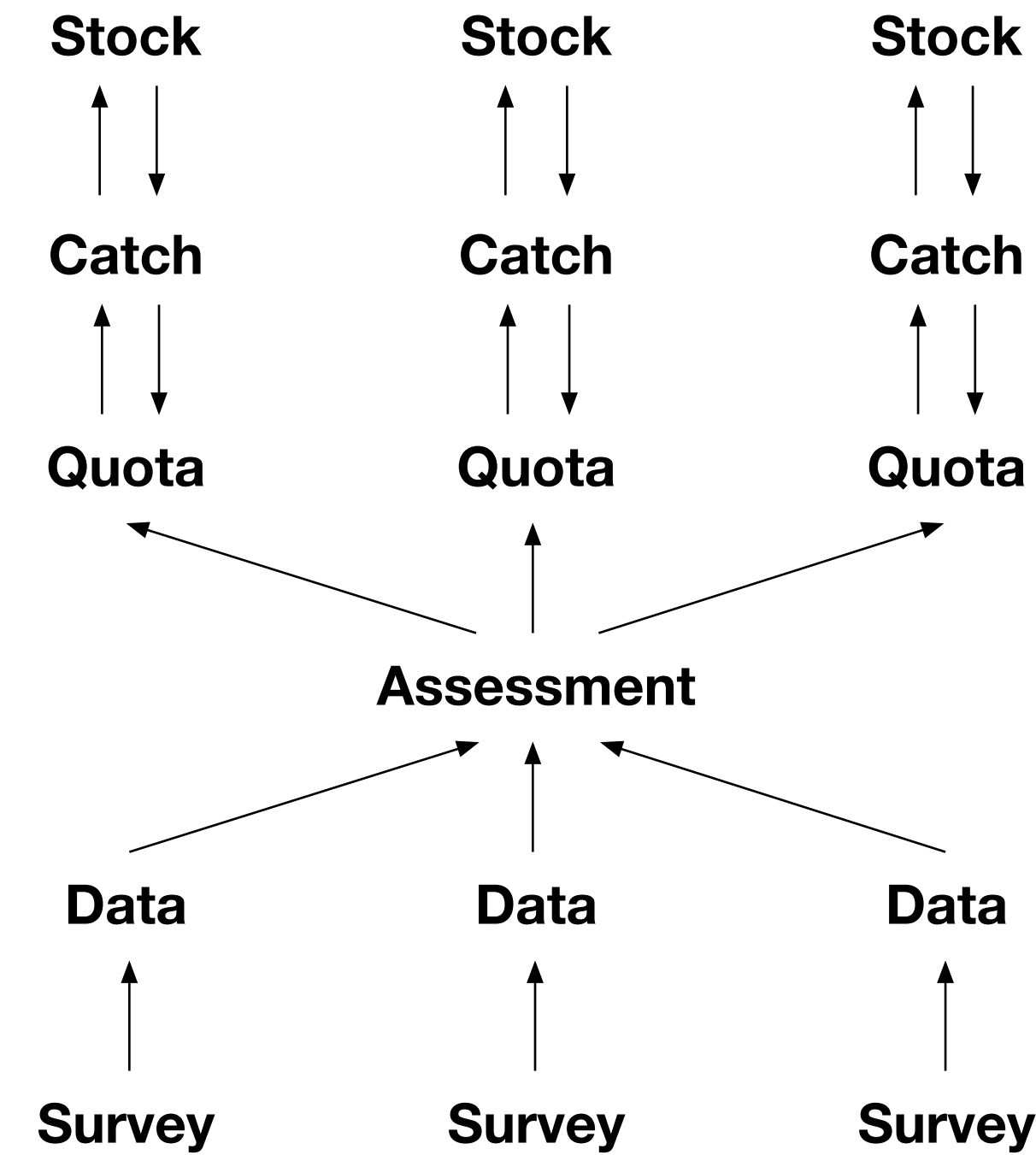(a) Single Species   (b) Total Aggregation   (c) Hierarchical Model