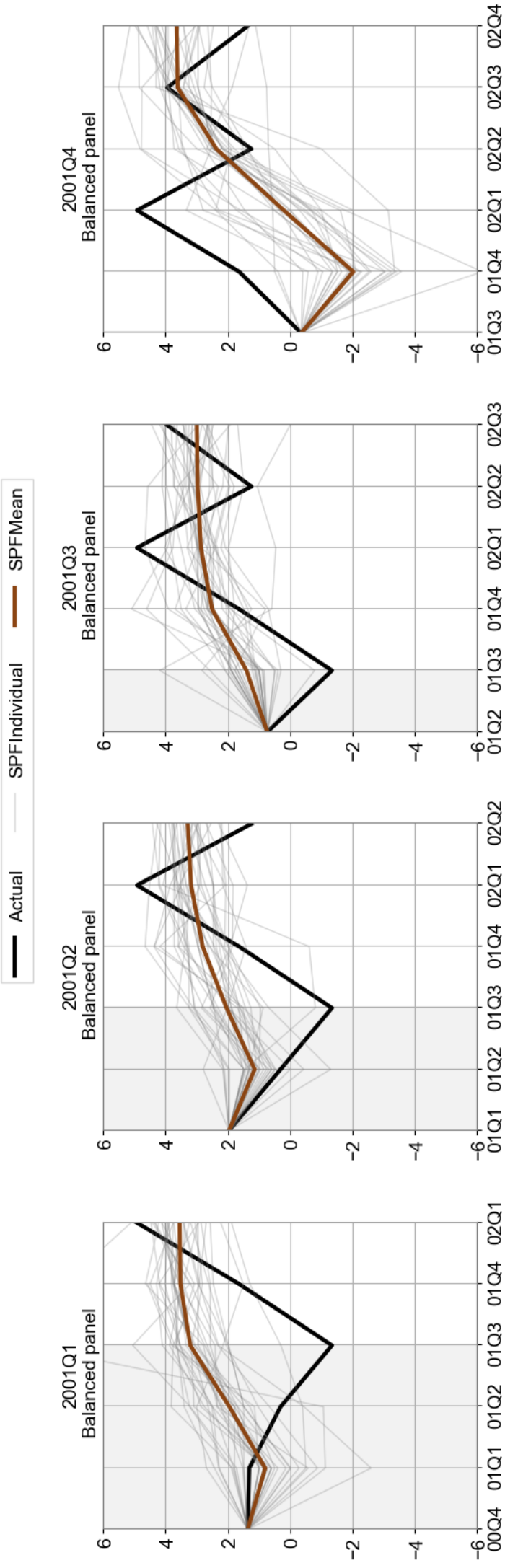
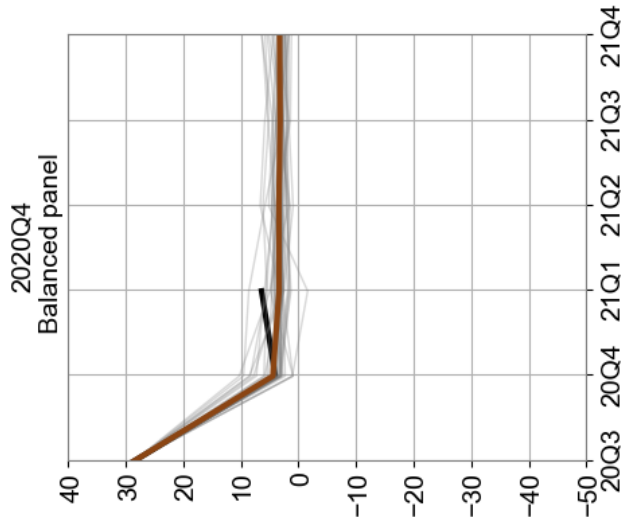
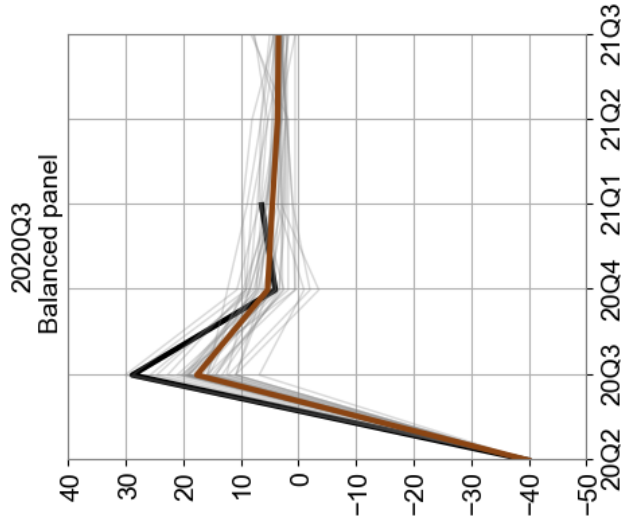
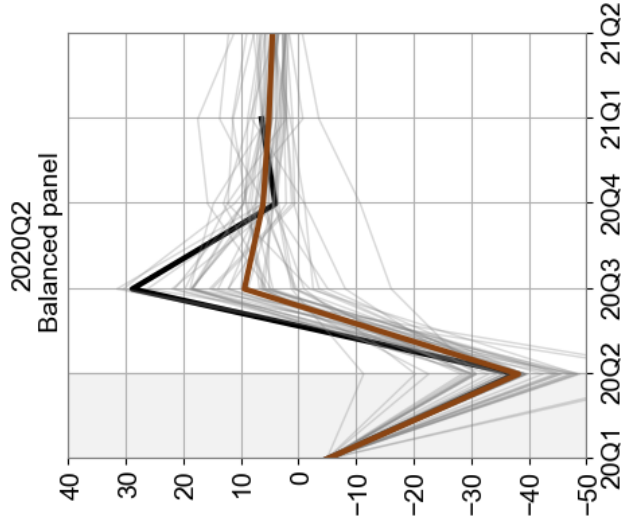
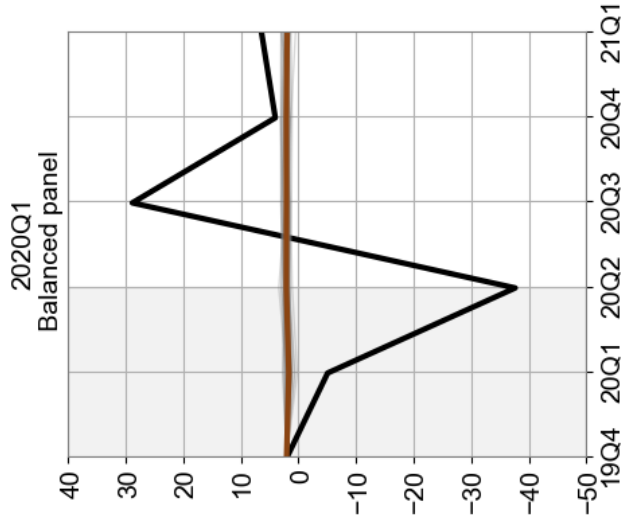
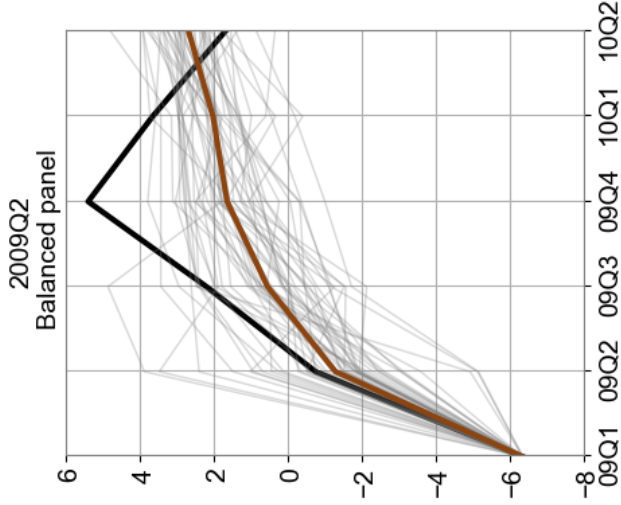
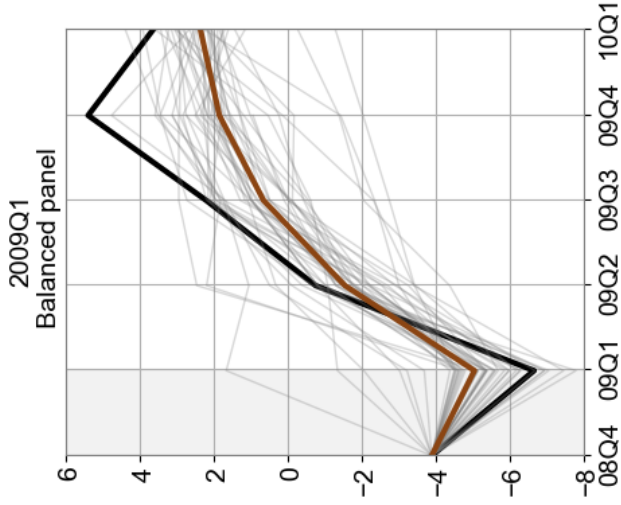
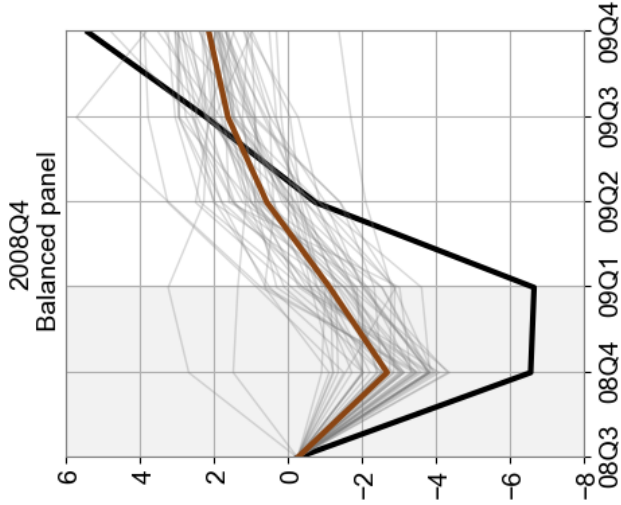
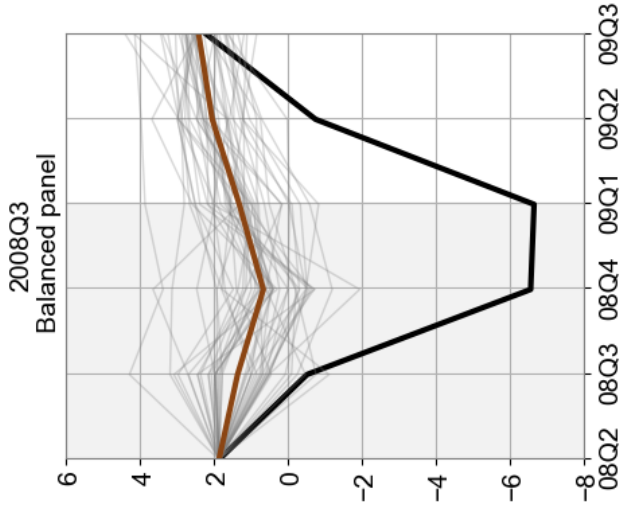
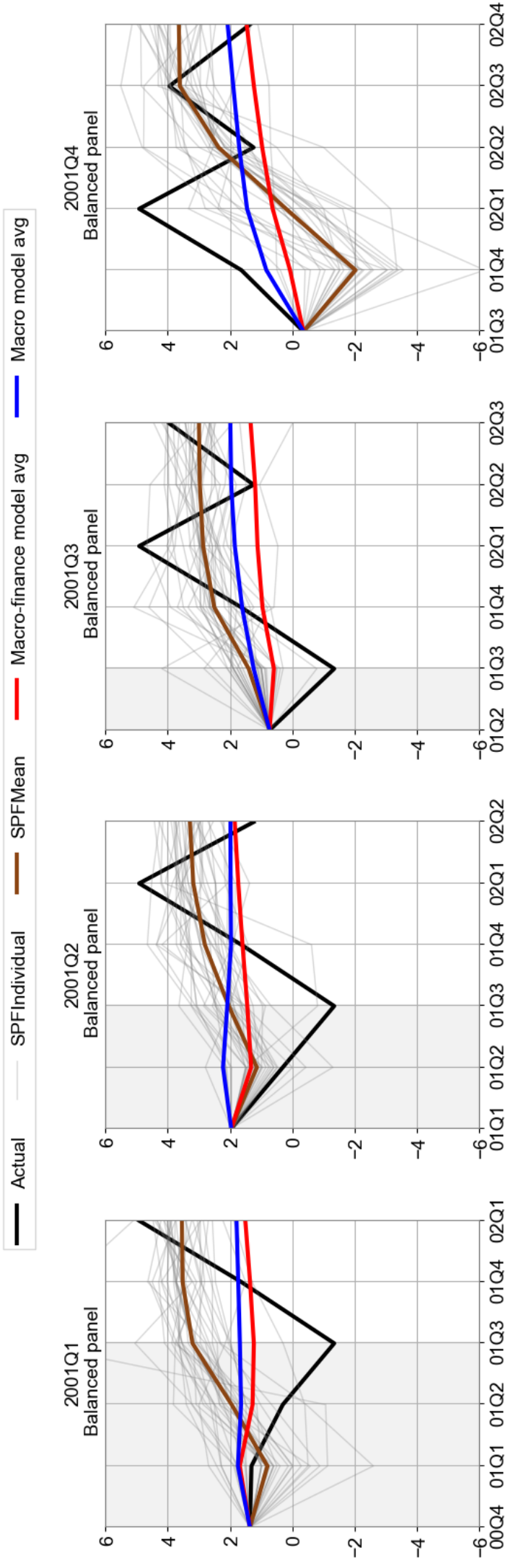


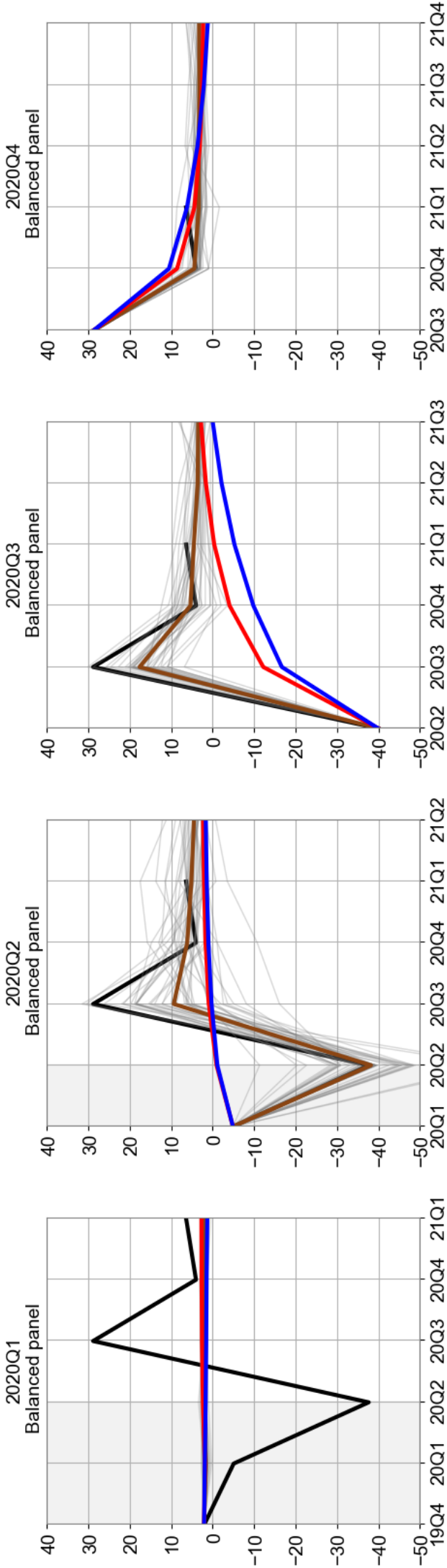
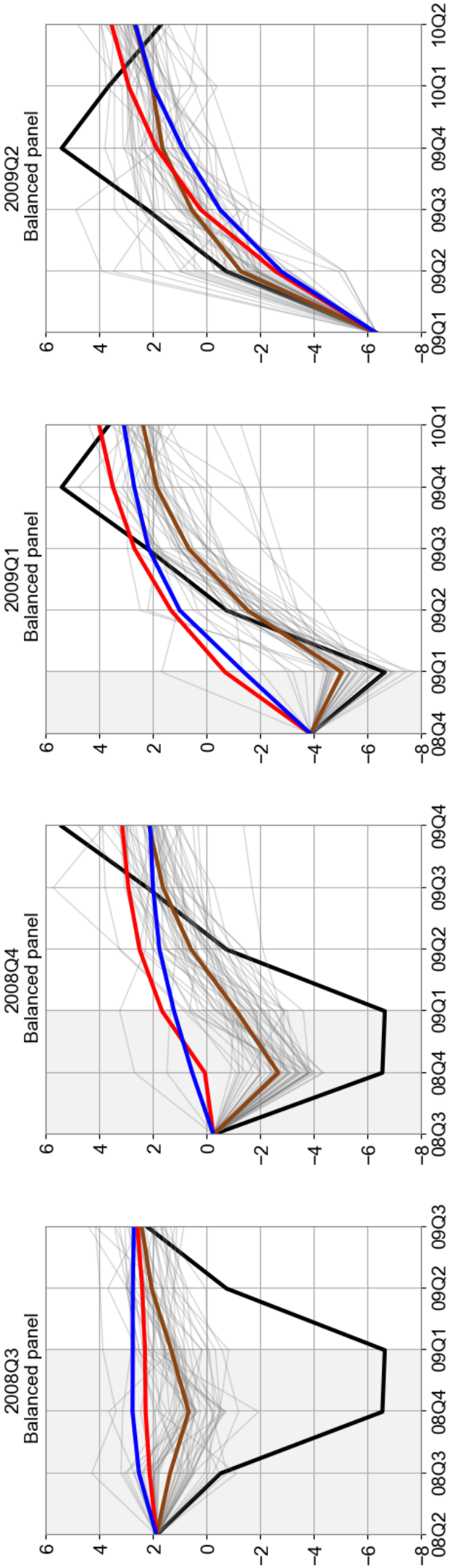
1 Actual Data vs SPF Forecast



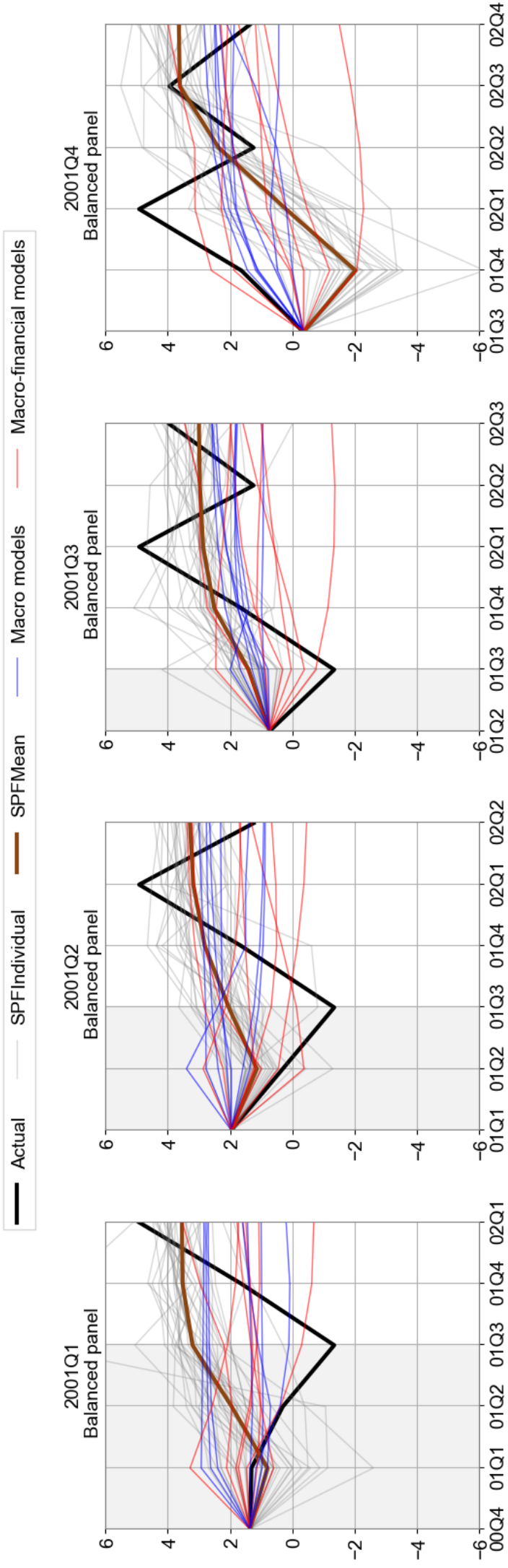


2 Macro Financial Model vs Macro Model, Average

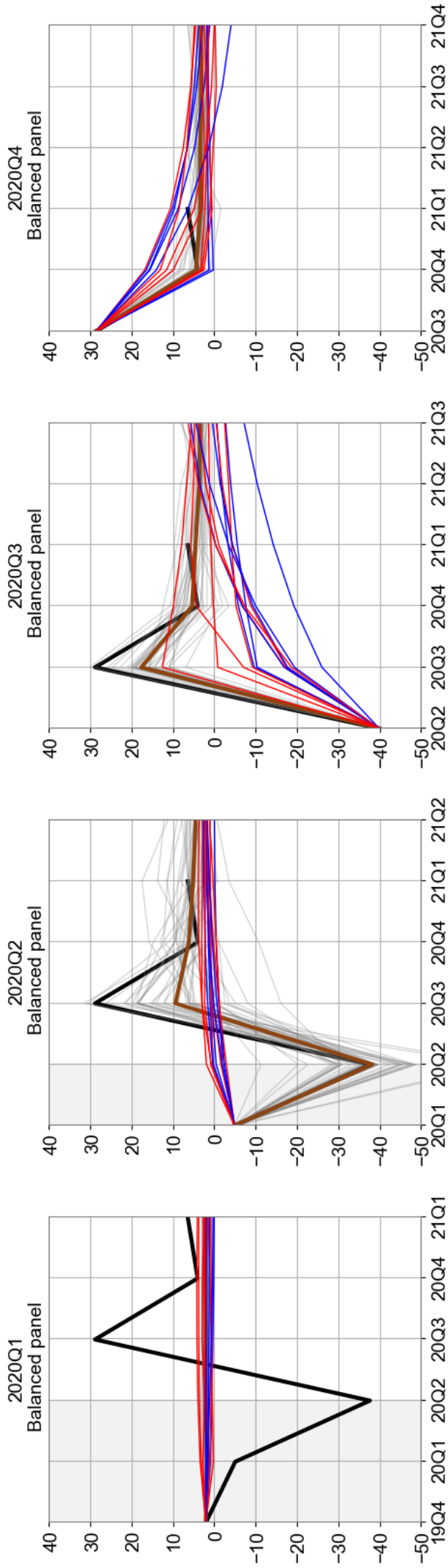
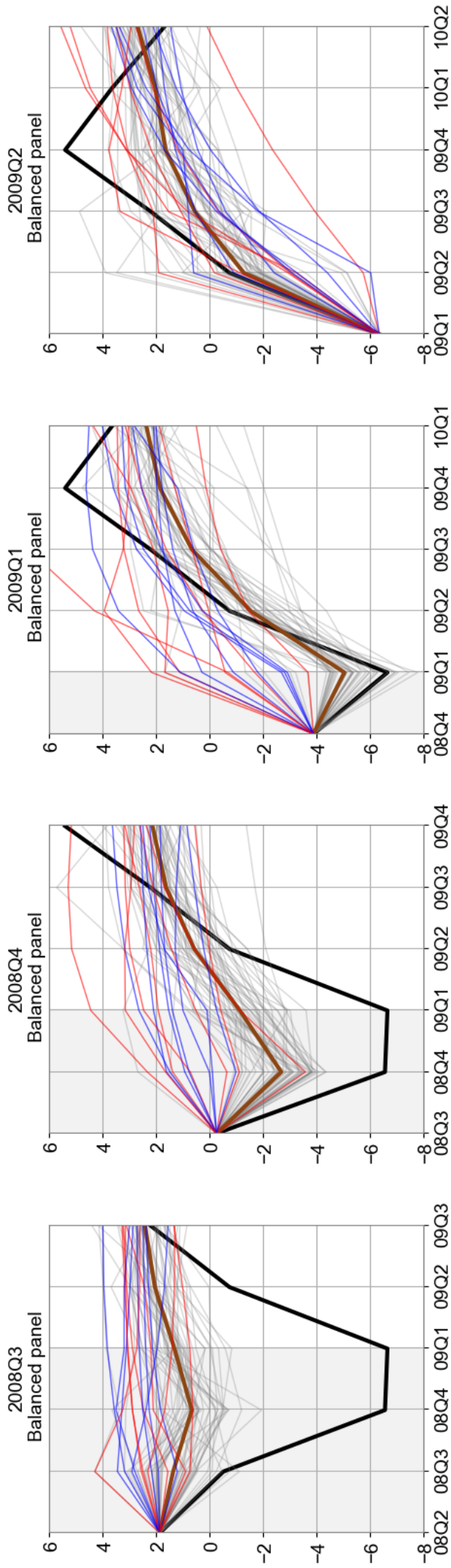




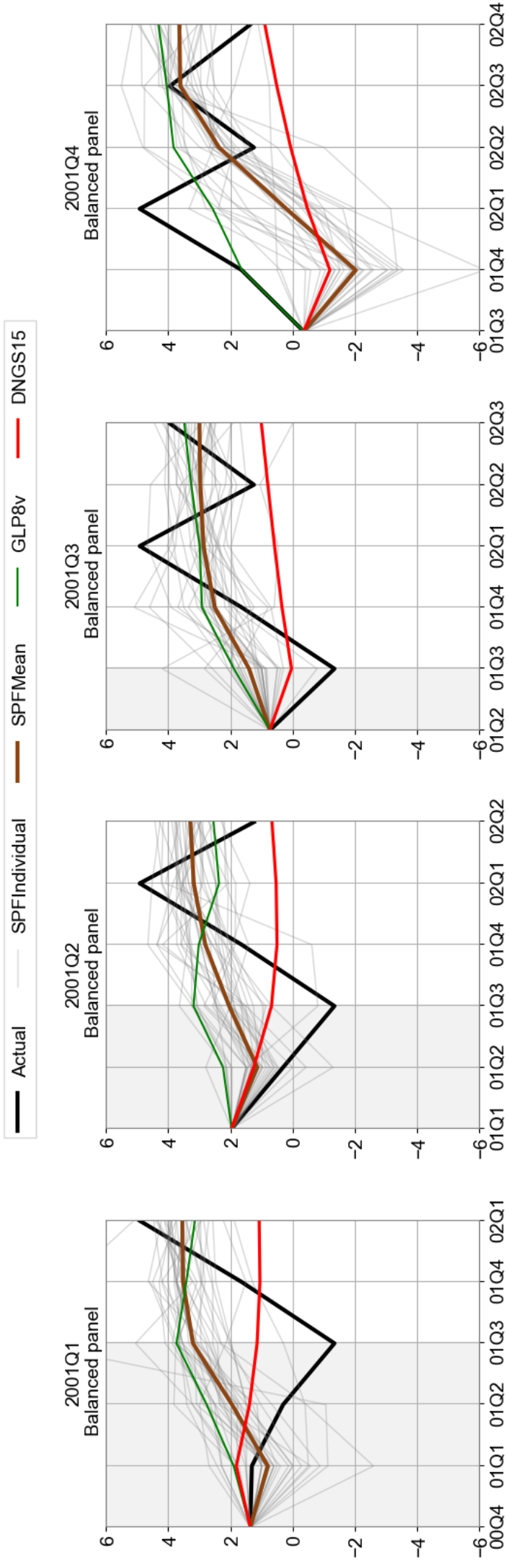
3 Macro Financial Model vs Macro Model, Individual models

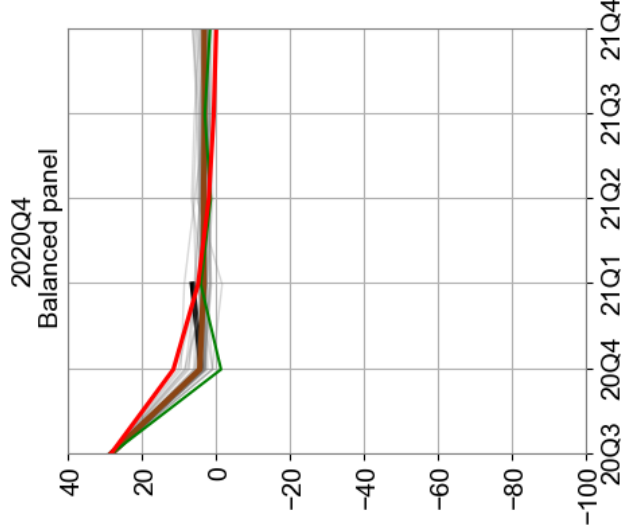
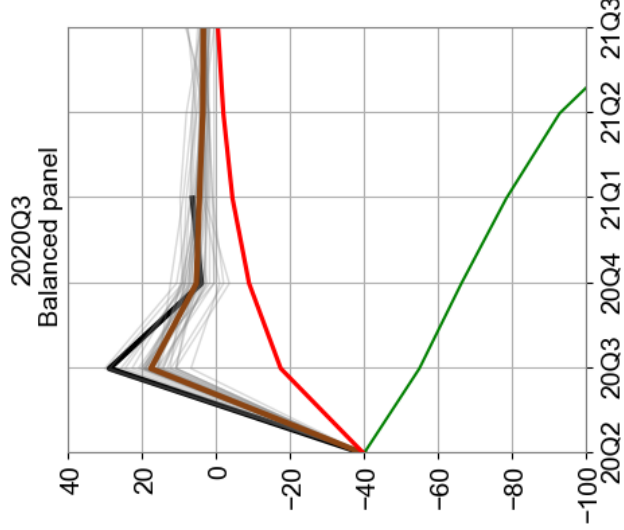
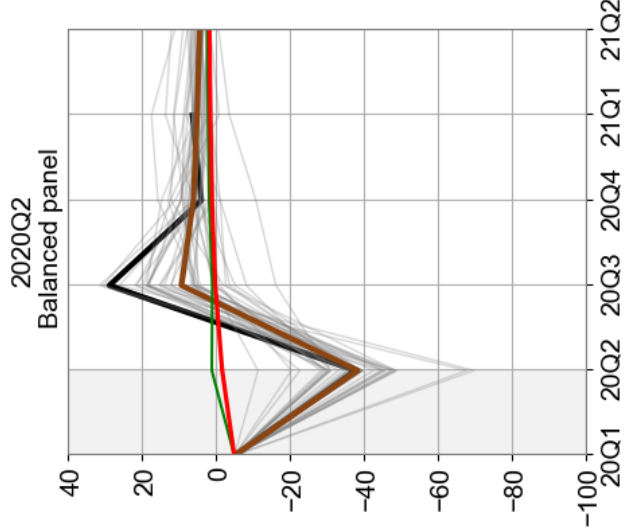
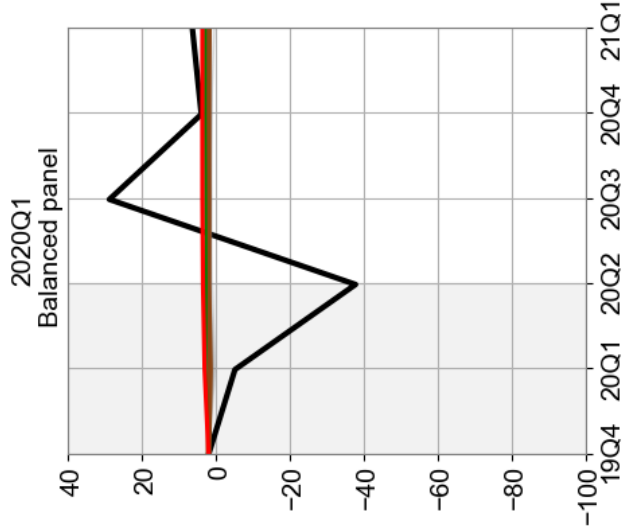
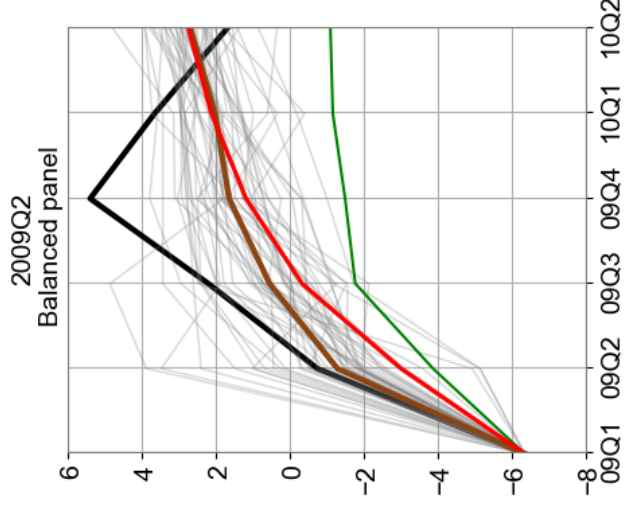
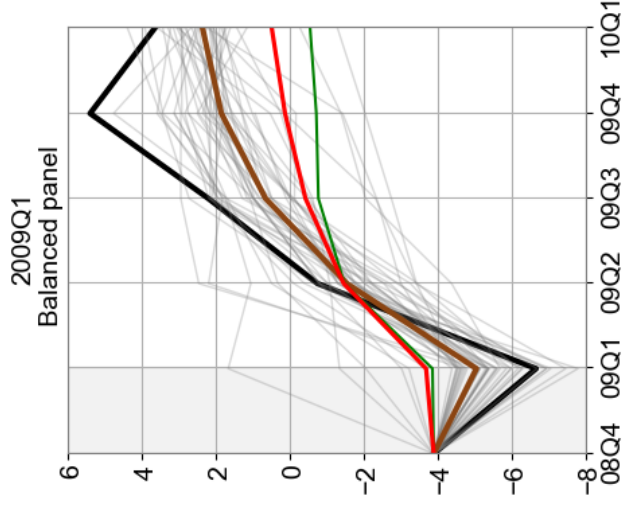
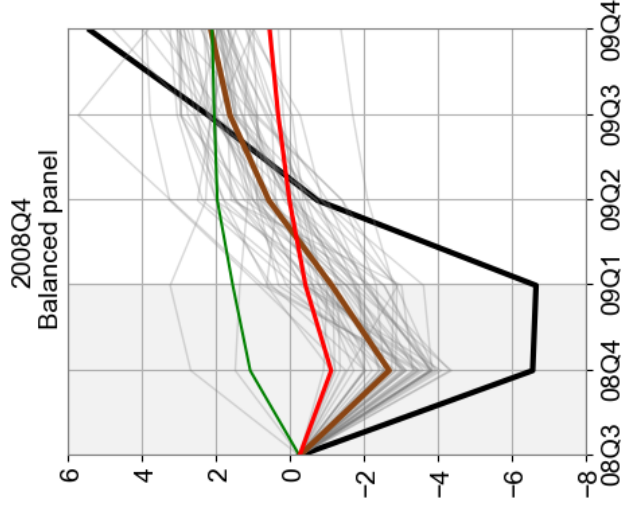
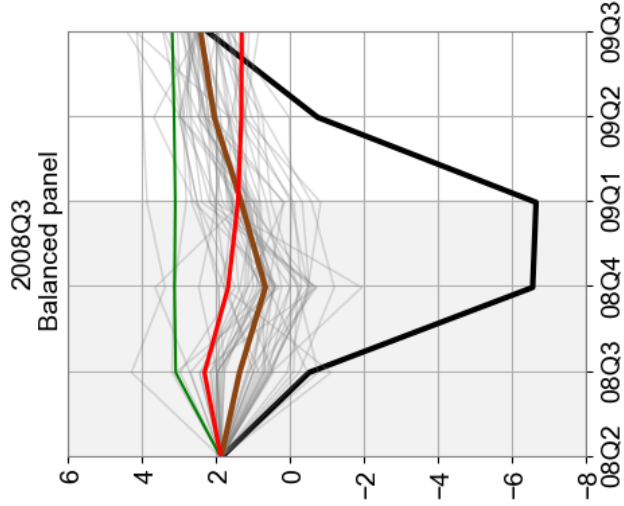






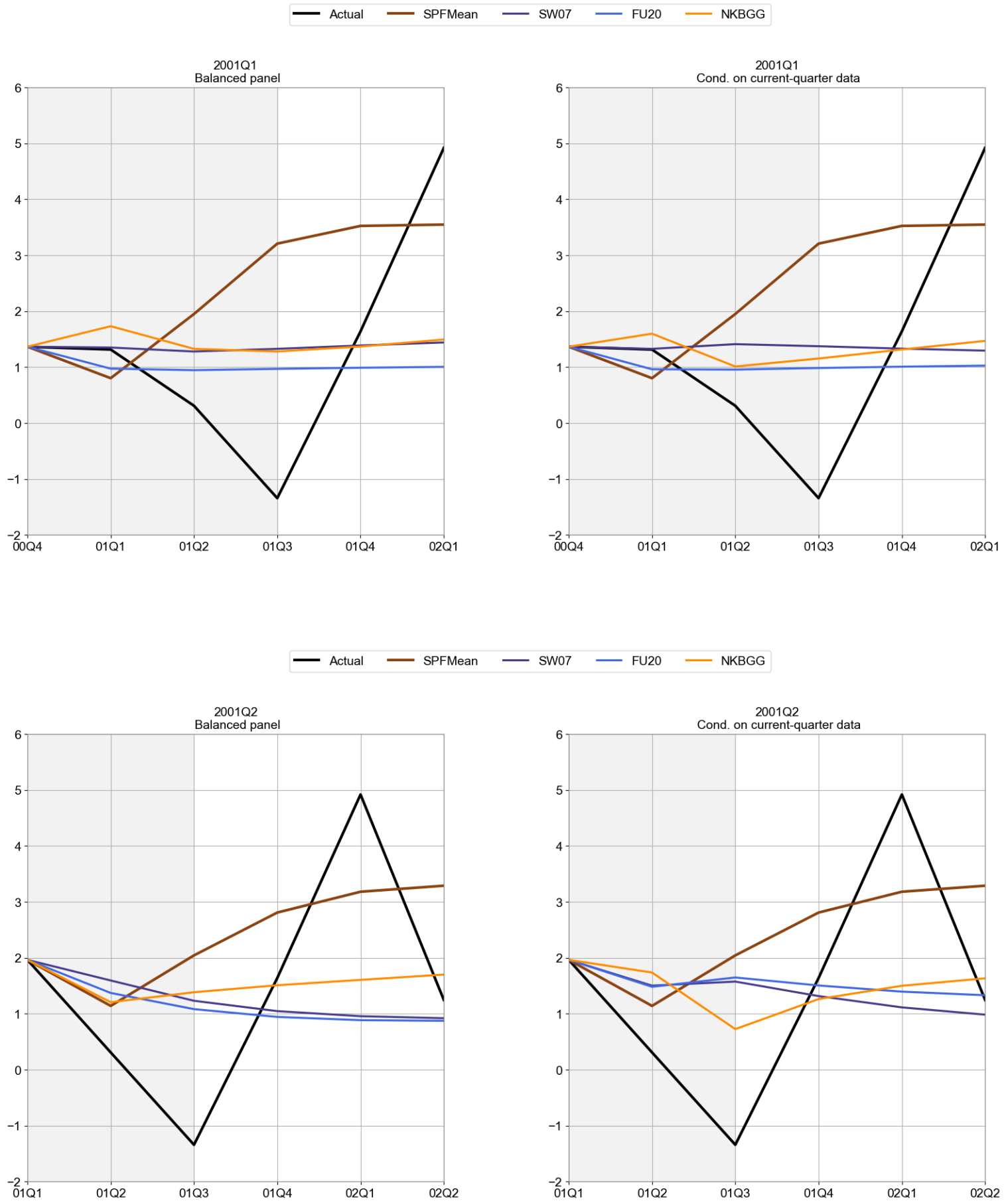
4 Structural Model vs BVAR, DNGS15 vs GLP8v

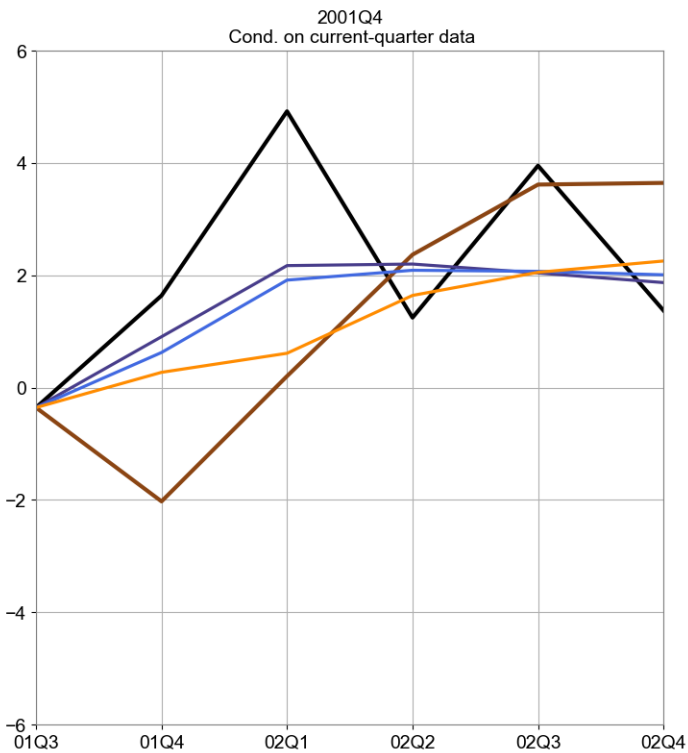
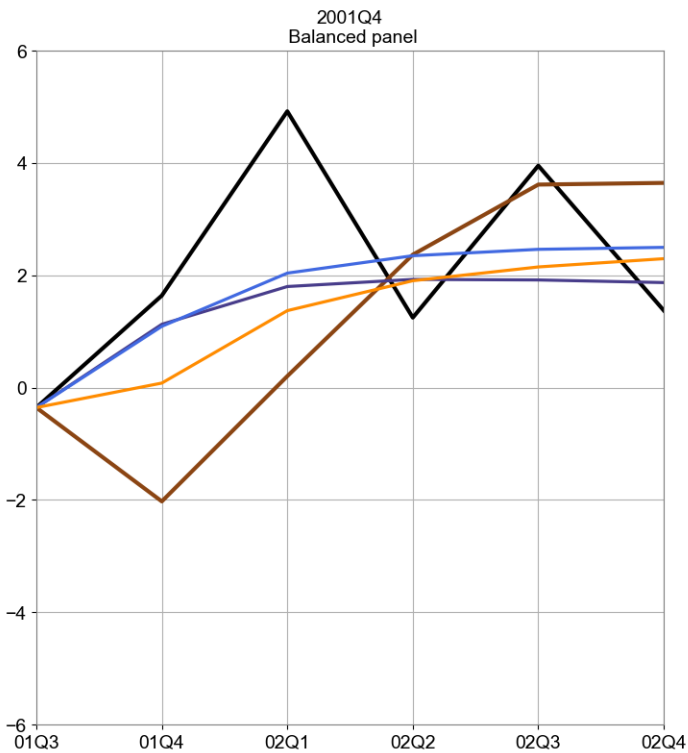
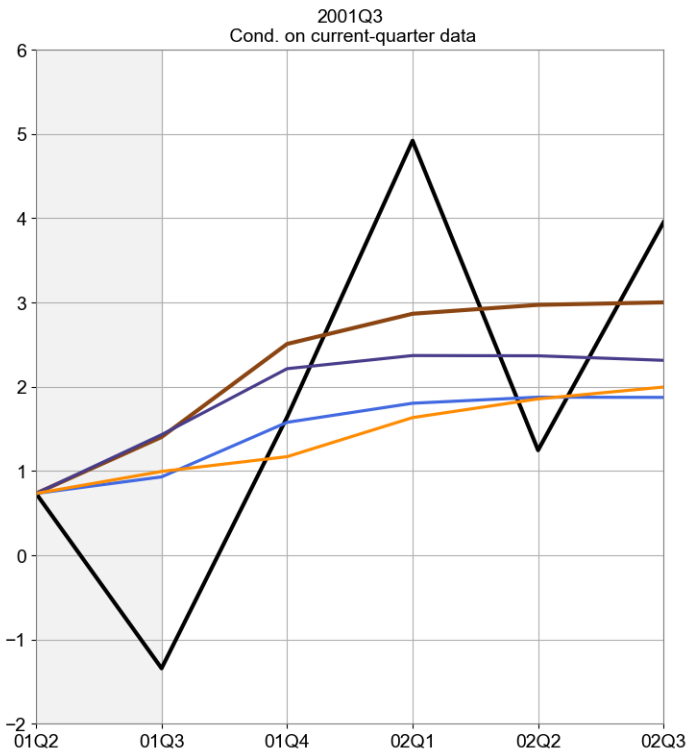
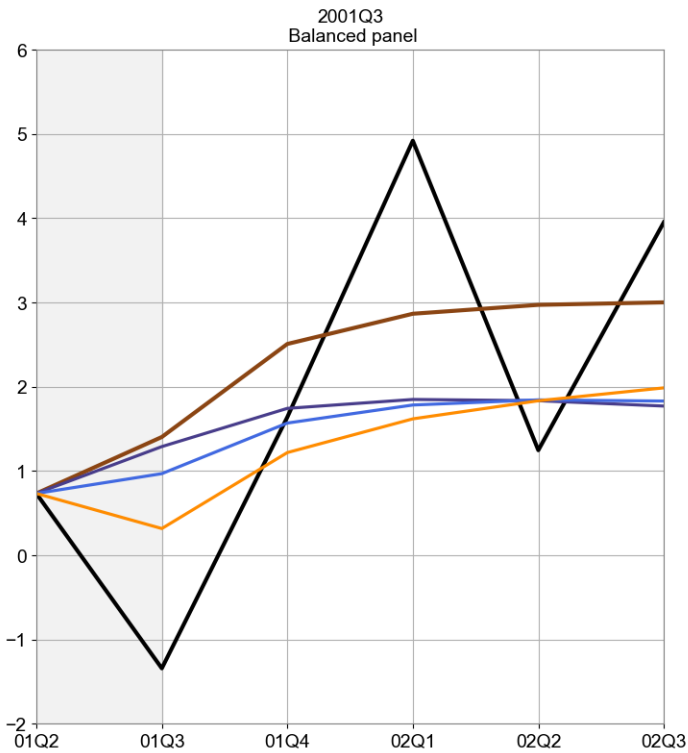




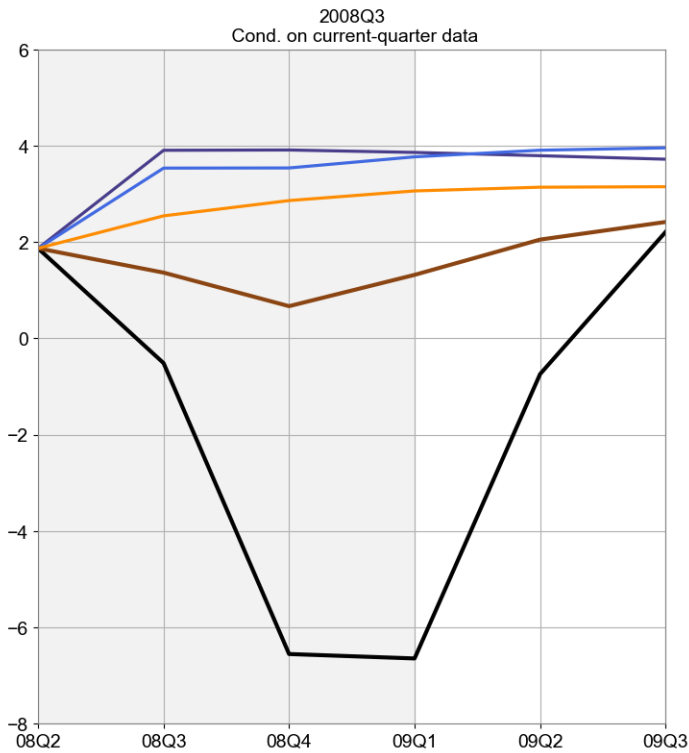
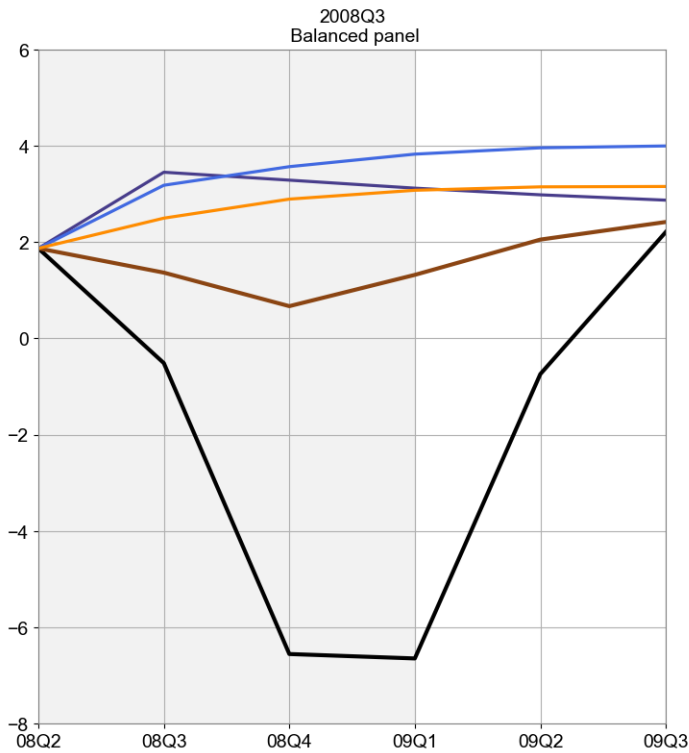


5 Top 3 models, by year quarter, based on RMSE

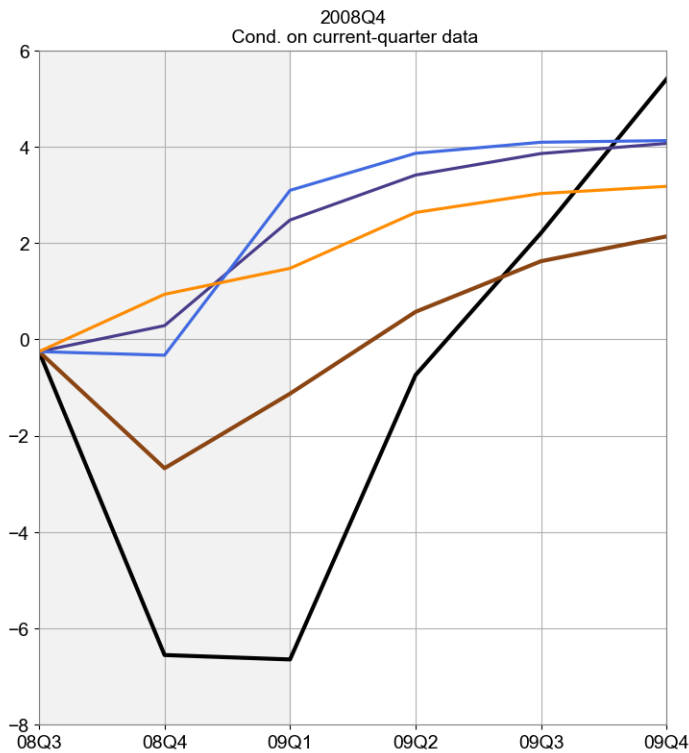
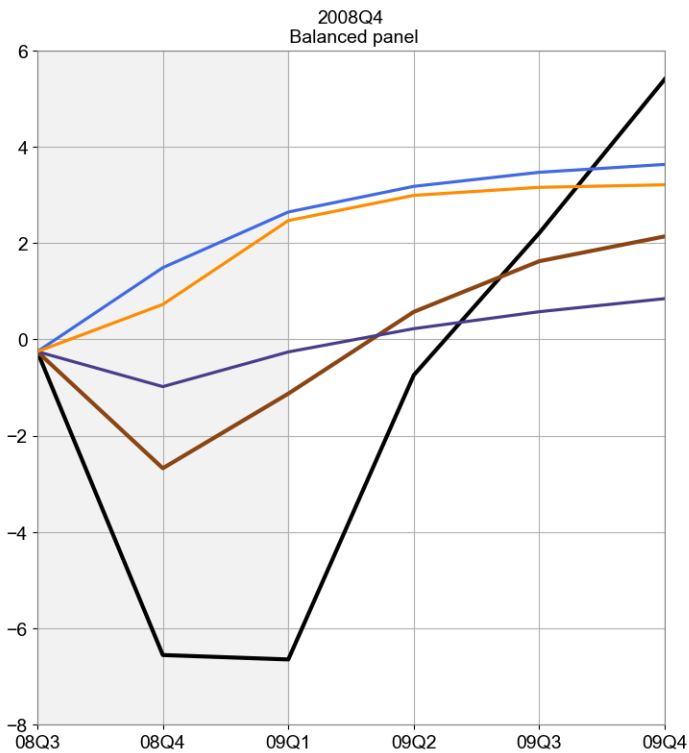




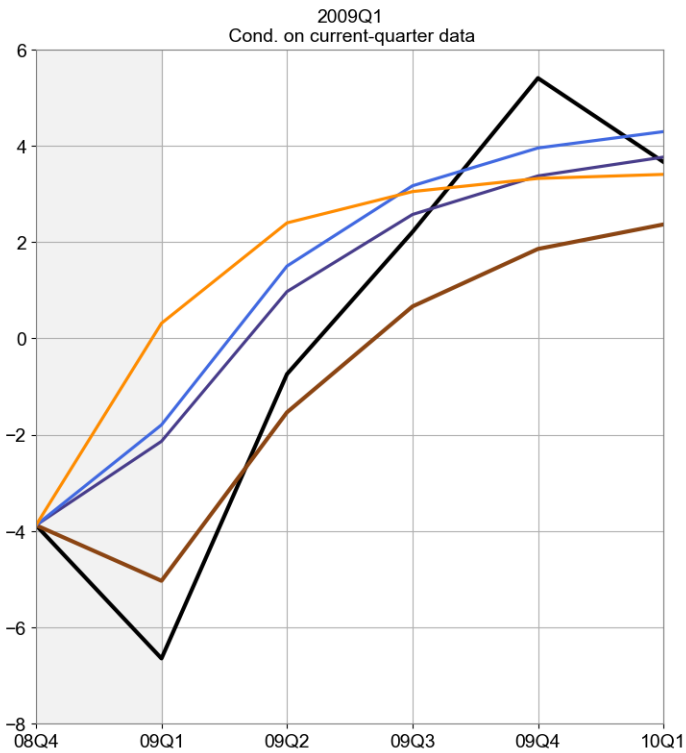
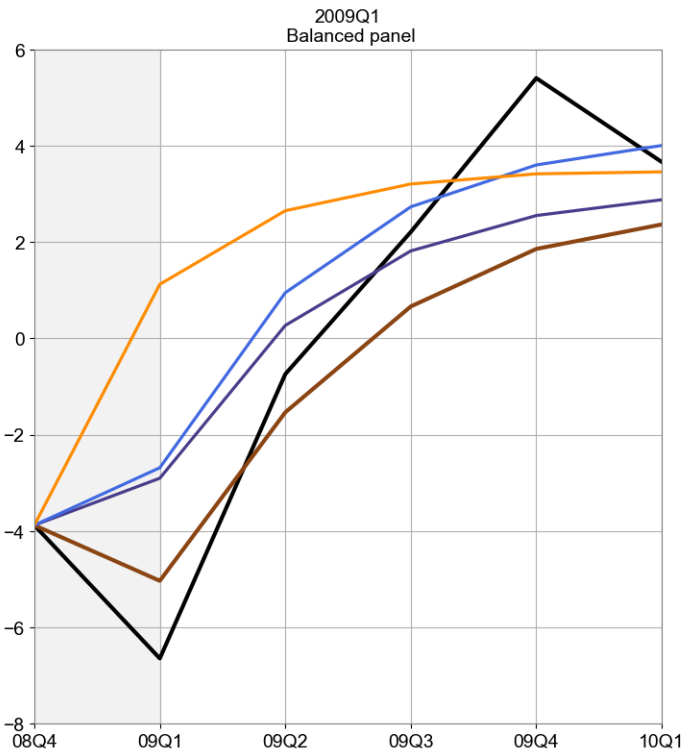
Actual    SPFMean    SW07    FU20    NKBGG



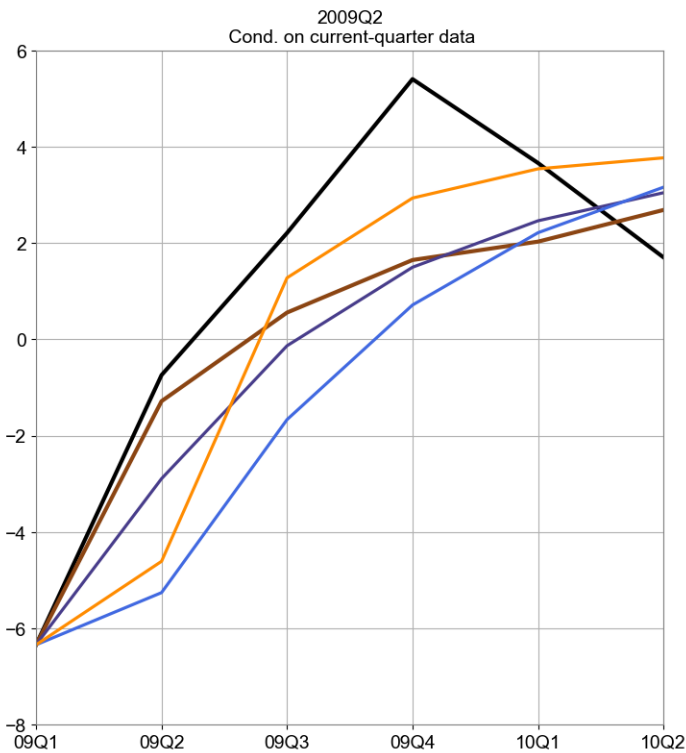
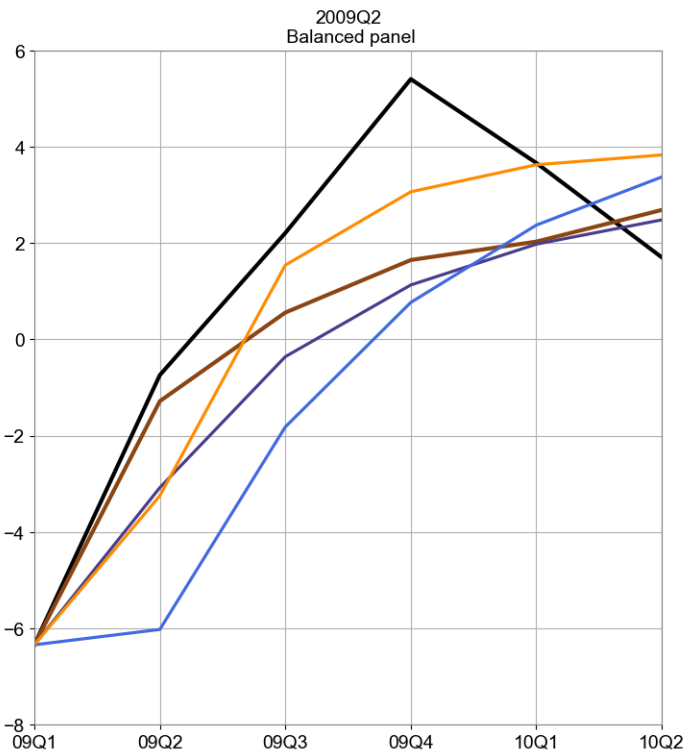
Actual    SPFMean    SW07    FU20    NKBGG



Actual    SPFMean    SW07    FU20    NKBGG

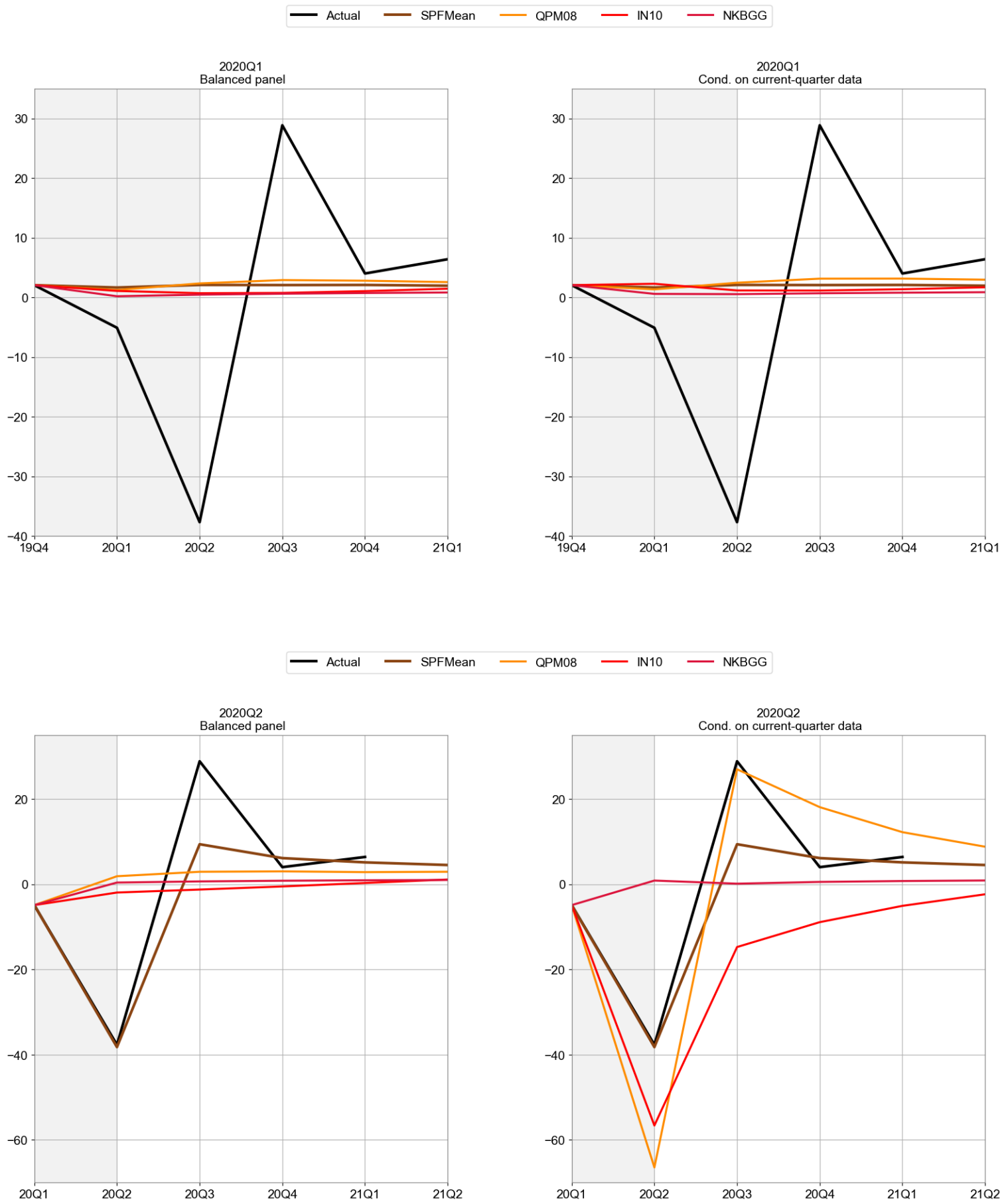


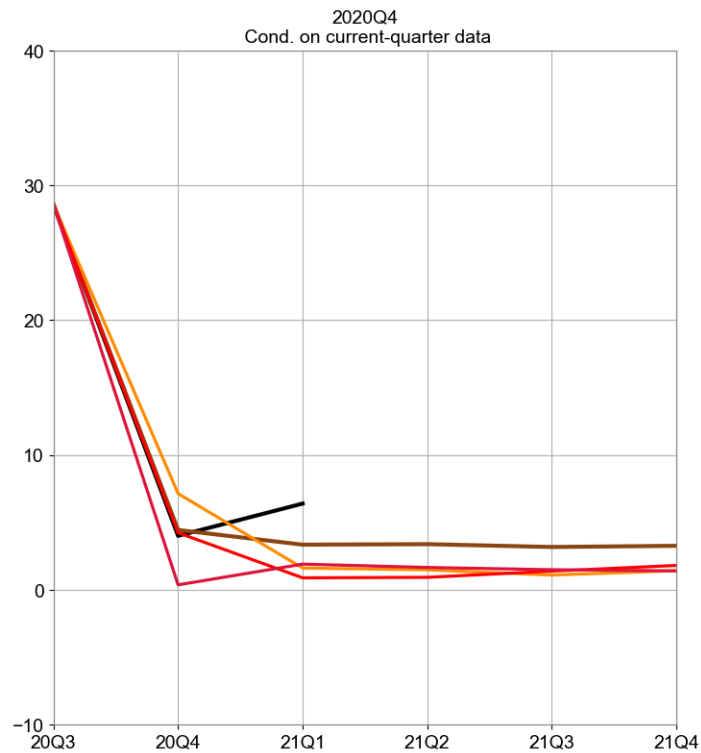
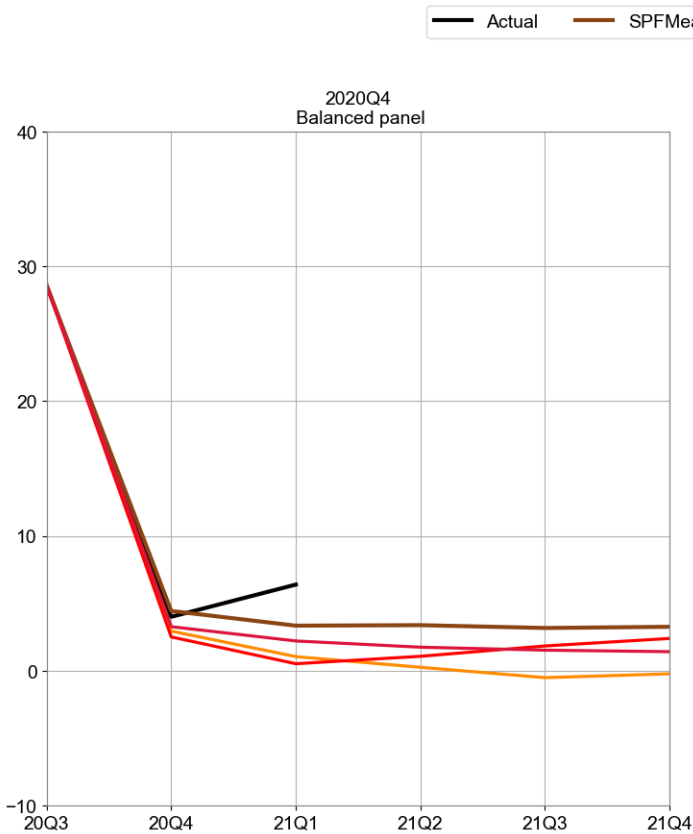
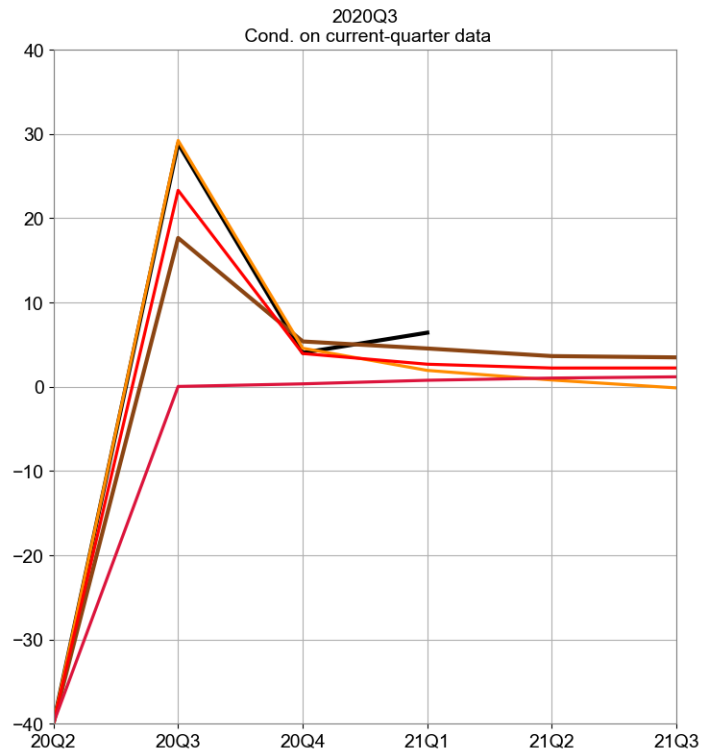
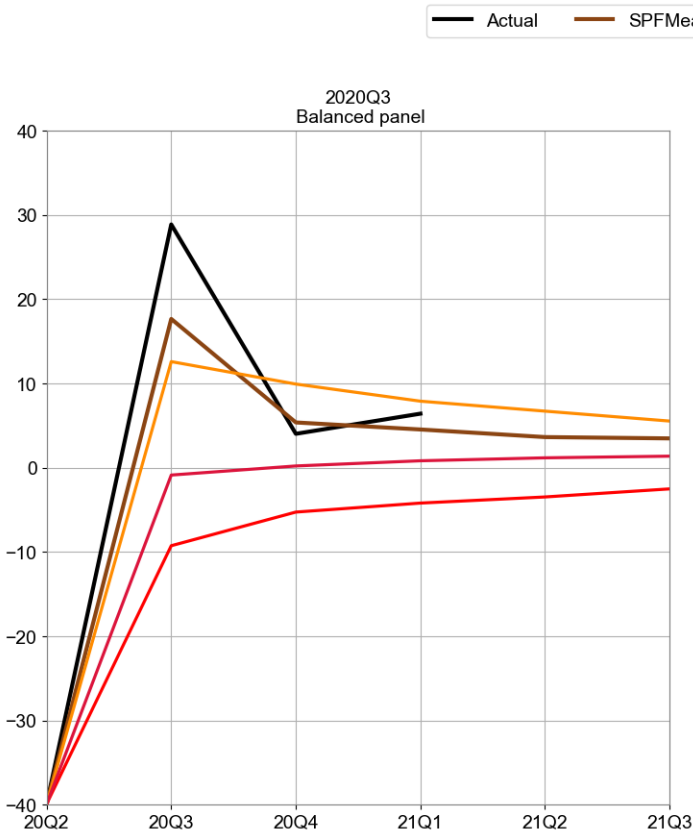
Actual    SPFMean    SW07    FU20    NKBGG





6 Top 3 models, current corona recession, based on RMSE on nowcast only, for scenario 1





7 Top 3 models, current corona recession, based on RMSE on nowcast only, for scenario 3

