PUBLIC FINANCE

Beyond the Annual Budget – Global Experience with MTEFs

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February 26, 2013



Why undertaking an MTEF study?

MTEFs – among PFM megatrends

- 2/3 of all countries are known to have an MTEF in 2008
- World Bank has been engaged with MTEF reforms in 109 LICs and MICs since the 1990s

❑ MTEF still controversial among PFM practitioners

Lack of quantitative analysis establishing causality

Questions...

- Do MTEFs work?
- Should an MTEF be a common element of PFM systems given differences in country circumstances?
- Where an MTEF is appropriate, what lessons can be drawn about and what guidance provided on the design and implementation of MTEFs in the context of broader advice about PFM reform

What MTEFs might do?

- Address shortcomings of annual budgeting short-sightedness, conservatism (budget rigidities), parochialism (competition for incremental resources)
 Multi-year planning takes future costs and benefits into account
 Strategic, forward-looking approach - basis for establishing and shifting priorities
 Collaborative approach to achieving agreed objectives than narrow self-interest
- Contributes to high-level PFM objectives
 MTFF => + fiscal discipline -----> control
 - **MTBF** => + allocative efficiency ----> priorities
 - **MTPF** => + technical efficiency ----> service delivery

What kind of analytical approaches to take?

- Event studies summarize what happened around the time of MTEF implementation (before and after)
- Econometric analysis attempts to explain the impact of MTEFs, controlling for other determinants of fiscal discipline and efficiency
 - Case studies can provide additional insight into the impact of MTEFs, especially insofar as qualitative, non-measurable influences are concerned
- Bank projects learning from success and failure

How did we go about it?

- Database describing MTEF status of 181countries in every year over the period 1990-2008
- Classification is based on key indicators and views of PFM experts
- Countries are classified:

0=no MTEF, 1=MTFF, 2=MTBF, 3=MTPF

- Identify new MTEFs by stages, transitions between stages, and (only a few) reversals
- Pilot MTBFs are recorded as MTFFs (but there is some analysis of pilots)
- Externally imposed multi-year fiscal frameworks (e.g., those underpinning IMF programs) are not recorded as MTFFs

What did we look for?

Fiscal discipline

fiscal balance

Allocative efficiency

total expenditure volatility health expenditure share health expenditure volatility

Technical efficiency

cost effectiveness of health expenditure

But data constraints are significant

Data coverage, central vs. general government Expenditure composition, limitations of GFS Expenditure outcomes, health and education

What did we find?

Global MTEF Adoption 1990-2008



1990 -- 11 MTEFs, 1 MTBF (Denmark) and 1 MTPF (Australia) 2008 -- 132 MTEFs, 71 MTFFs, 42 MTBFs and 19 MTPFs

THE MTEF state of World



How does Europe & Central Asia compare?

Advanced Economies



■ MTFF ■ MTBF ■ MTPF



THE MTEF state of World



MTEFs, Fiscal Balance, Expenditure and Revenue



MTEFs and Efficiency



Econometric Analysis and Results – Approach

Fiscal performance = f (MTEF status, control variables)

Control variables derived from empirical literature on determinants of fiscal performance

Serious econometric issues have to be addressed

Reverse causality—Is MTEF implementation a reaction to good fiscal performance?

Response: Instrumental variables

Omitted variables—Is something else going on that affects fiscal performance (and possibly MTEF implementation)?

Response: Country and time fixed effects

Conditioning variables influence the link between MTEF and fiscal balances

Separate regressions for MTFF, MTBF and MTPF adoption (which are 0,1 variables)

Econometric Results

MTEFs have a strong, positive effect on the fiscal balance

- The effect gets stronger with move from MTFF to MTBF to MTPF (but MTPF has too large an effect)
- Significant control variables—oil(+), conflict(-), aid(-)
- Significant conditioning variable—OECD(+) for MTPF only

MTEFs have a significant positive effect on total expenditure volatility, the health expenditure share and health expenditure volatility

- The effect gets stronger with move from MTFF to MTBF to MTPF (except MTPFs have no additional effect on health expenditure volatility)
- Marginal effect of MTBF over MTFF is surprisingly small
- Significant control variables—oil, aid, inflation (all + for volatility (because they are volatile?)

Only MTPFs have a significant impact on the cost effectiveness of health expenditure

Significant control variable—inflation(+)

Moving Beyond the Data

Empirical work bolsters the case for MTEFs—but better to be well designed

Coverage, timeframe, disaggregation, status of ceilings and forward estimates, use of margins, institutional responsibilities

□ What are the broader requirements for effective MTEFs?

- Commitment to new approach to budgeting
- Organizational adaptability and technical capacity
- Appropriate macro-fiscal policies and institutions
- Sound budget systems and properly sequenced reforms

These have been identified in previous studies

Review of Bank experience and case studies can throw new light on these requirements

Implications for Bank Work...

Questions?



DIRECTIONS IN DEVELOPMENT Public Sector Governance

Beyond the Annual Budget

Global Experience with Medium Term Expenditure Frameworks