





TARGETING INFLATION EXPECTATIONS?



EUROPEAN CENTRAL BANK

EUROSYSTEM

Targeting Inflation Expectations?

Monetary Policy and Expectations

- > Open debate on the appropriate Monetary Policy framework: Average Inflation Targeting? Price Level Targeting?
- Common thread amongst all: (Anchoring) Inflation Expectations.
- ▶ Inflation Targeting (IT) adopted in approximately 60 economies (including the Eurozone).
- > The adoption of IT led to a decline in inflation in most countries
- Lacuna in the literature regarding the impact of a change in monetary policy on expectations.

Research Questions

- Do agents adjust their expectations (mean and variance of priors) at the time of the implementation/announcement of the policy?
- Do agents incorporate the inflation target in their rule for forming expectations?

What I do

- Survey data (professional forecasters) Inflation Targeting Economies.
- Subjective Expectations Adaptive Learning.
- Event Study Methodology + Agents' Expectations + Simulated Method of Moments

How Do Expectations Evolve?





Agents adjust expectations to lower inflation than previously experienced.



- > Implementation: Based on the day the mandate comes into effect.
- Announcement: Based on first discussion of interest based/Taylor based rules in the MPCs.

Do Inflation Expectations respond? No! But...



The level of Inflation Expectations do not respond to the introduction of Inflation Targeting.

- > Agents overpredict inflation after the introduction of IT.
 - > Inflation leads inflation expectations.

What about the variance of the priors?

- > Changing variance implies a time varying Kalman Gain.
 - High persistence in expectations.
- > The Kalman Gain remains steady after the introduction of IT.
 - Agents attach some weigh to the inflation target.

| Table 1: Parameters | | | | |
|--|--------|---------|---------|-------------|
| Parameters | Pre-IT | Post-IT | | |
| | | 2 years | 5 years | Full Sample |
| κ | 0.0553 | 0.057 | 0.110 | 0.639 |
| α | - | 0.10 | 0.109 | 0.113 |
| $\tilde{\beta}_t = \tilde{\beta}_{t-1} + \kappa_t (\pi_t - \alpha \bar{\pi}^T - (1 - \alpha) \tilde{\beta}_{t-1})$ | | | | |

Central banks can build credibility ex-post by reducing inflation.

Contact: <u>Mridula.Duggal@bse.eu</u> | Most recent version: <u>https://www.mridulaecon.io/</u>