The drivers of post-pandemic inflation

Domenico Giannone IMF

Giorgio Primiceri Northwestern University

ECB Forum on Central Banking July 2, 2024

The views expressed here are those of the authors and do not necessarily represent those of the IMF, its Management and Executive Board, or IMF policy

1 Similar inflation in the US and the EA?

- Yes, nearly identical
- **2** What caused it?
 - Unexpectedly strong demand

3 What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

What should we expect going forward in the EA?

- Smooth path back to inflation target
- No loss of credibility

1 Similar inflation in the US and the EA?

- Yes, nearly identical
- 2 What caused it?
 - Unexpectedly strong demand

③ What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

④ What should we expect going forward in the EA?

- Smooth path back to inflation target
- > No loss of credibility

US vs EA since 2020: Stylized facts





Worse recession and slower recovery in the EA

US vs EA since 2020: Stylized facts





Energy prices

Broadly similar in the US and EA



US vs EA since 2020: Stylized facts





CPI / HICP ex energy



Nearly identical in the US and EA

1 Similar inflation in the US and the EA?

Yes, nearly identical

2 What caused it?

Unexpectedly strong demand

③ What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

④ What should we expect going forward in the EA?

- Smooth path back to inflation target
- > No loss of credibility



















A model with energy prices and energy-supply shocks



1 Similar inflation in the US and the EA?

- Yes, nearly identical
- **2** What caused it?
 - Unexpectedly strong demand

③ What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

④ What should we expect going forward in the EA?

- Smooth path back to inflation target
- No loss of credibility

Model with interest rates to study 3 counterfactual scenarios:

1. Tighten earlier

2. Lean against demand

> neutralize all the effects of demand shocks on inflation

3. Strict inflation targeting

> neutralize the effects of all shocks on inflation, to keep it near 2 percent

Counterfactual ECB policies: Tighten earlier



Counterfactual ECB policies: Lean against demand



Counterfactual ECB policies: Strict inflation targeting



1 Similar inflation in the US and the EA?

- Yes, nearly identical
- **2** What caused it?
 - Unexpectedly strong demand

3 What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

What should we expect going forward in the EA?

- Smooth path back to inflation target
- No loss of credibility

The road ahead: Model and SPF projections



Model predicts smooth path back to inflation target and moderate growth

- Gradual interest rate decline
- SPF projections similar to model projections, including interest rates
 - > The public believes that monetary policy has already returned to its pre-covid standards

1 Similar inflation in the US and the EA?

- Yes, nearly identical
- **2** What caused it?
 - Unexpectedly strong demand

3 What if the ECB had kept inflation closer to 2 percent?

Substantial output loss

What should we expect going forward in the EA?

- Smooth path back to inflation target
- No loss of credibility