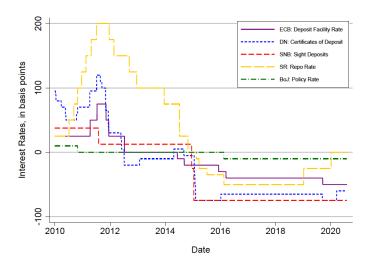
Banks and negative interest rates

Florian Heider European Central Bank & CEPR

SUERF BAFFI BOCCONI E-Lecture 6 May, 2021

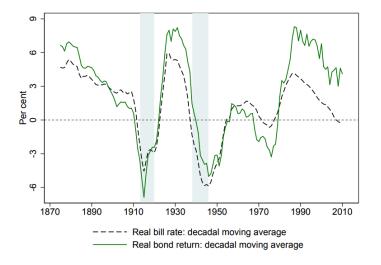
Disclaimer: The views expressed in this presentation represent those of the authors and not necessarily those of the ECB or the Eurosystem.

Central bank policy rates have become negative



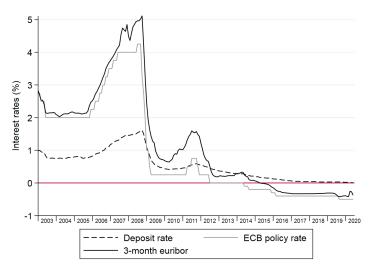
Source: Ulate (2021)

Also real rates have fallen



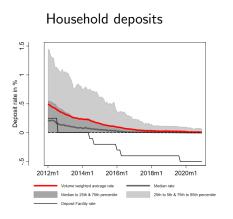
Source: Jordà, Knoll, Kuvshinov, Schularick, and Taylor (2019)

What is special about negative policy rates? ZLB on retail deposit rates

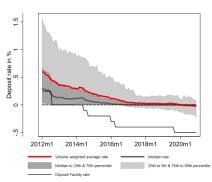


Source: Heider, Saidi, and Schepens (2021)

The ZLB on (overnight) retail deposit rates is pretty hard

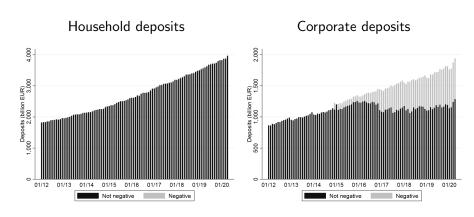


Corporate deposits



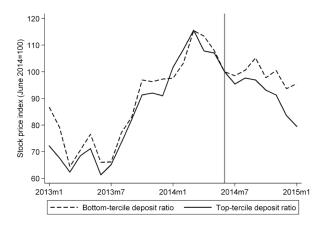
Source: Own calculations

85% of all deposits remain non-negative



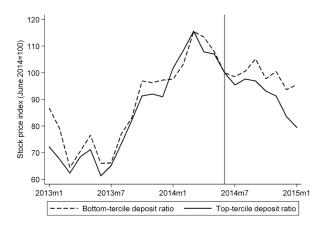
Source: Heider, Saidi, and Schepens (2021)

ZLB on deposit rates hurts deposit-dependent banks



Source: Heider, Saidi, and Schepens (2019)

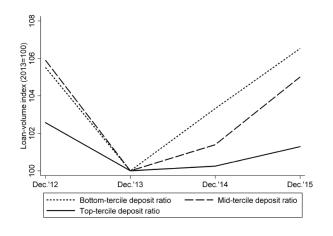
ZLB on deposit rates hurts deposit-dependent banks



Source: Heider, Saidi, and Schepens (2019)

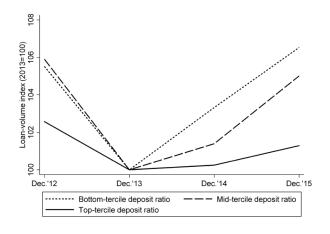
See also Ampudia and Van den Heuvel (2018)

Deposit-dependent banks lend relatively less ...



Source: Heider, Saidi, and Schepens (2019)

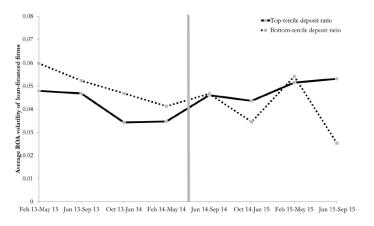
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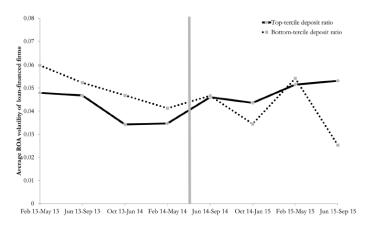
See also Ulate (2021) and Eggertsson et al. (2020)

... and take more risk (not inefficient though)



Source: Heider, Saidi & Schepens (2019)

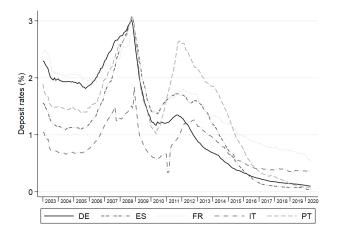
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Source: Heider, Saidi & Schepens (2019)

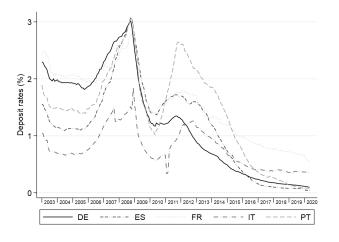
See also Bubeck, Maddaloni, and Peydró (2020)

Euro area heterogeneity in deposit rates



Source: Heider, Saidi, and Schepens (2021)

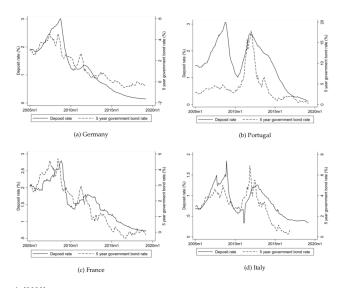
Euro area heterogeneity in deposit rates



Source: Heider, Saidi, and Schepens (2021)

See also Bittner, Bonfim, Heider, Saidi, Schepens, and Soares (2020)

Relationship between deposit rates and sovereign bond rates



Source: Bittner et al. (2020)

Other potential channels

Bank holdings of excess reserves...but reserves are always costly

Basten and Mariathasan (2020) use exemption threshold in Swiss tierign

Demiralp, Eisenschmidt, and Vlassopoulos (2021) show high-deposit banks with lots of excess reserves lend more

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Bank holding of short-term liquid assets

Bottero et al. (2019), Arseneau (2020)

But what about long-term rates? They came down too

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Bank holdings of government bonds

In euro area, setting a negative policy rate had very strong impact on long-term rates

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