Measuring free-riding in LVPS The case of TARGET2?

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Discussion: Marco Galbiati

Motivation and General Concepts

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→ free-riding

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('<u>Voluntary'</u> free-riding?)

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Invariance with respect to "... the number of participants in the LVPS and the number of participants included in the measurement"

Proposed measures

1) Time-based measure:

```
\delta_i = (time to 50% out) - (time to 50% in)
```

- Simple
- Why 50?
- Transfer principle?
- Number of banks?

Proposed measures

2) Early payment indicator:

 π_i = weighted average of sending time

- Beyond simple average (or w. by value)
- Liquidity more valuable at some ts than at others
- Why exponential weighting?
- Only payments made by single bank?
- Relationship with previous measure?

Summary

Sometimes unclear formulation

Some questionable axioms (Participant Invariance)

Measures have drawbacks

Great topic

Great approach

Good insights