

The future of money Frankfurt, November 24, 2018



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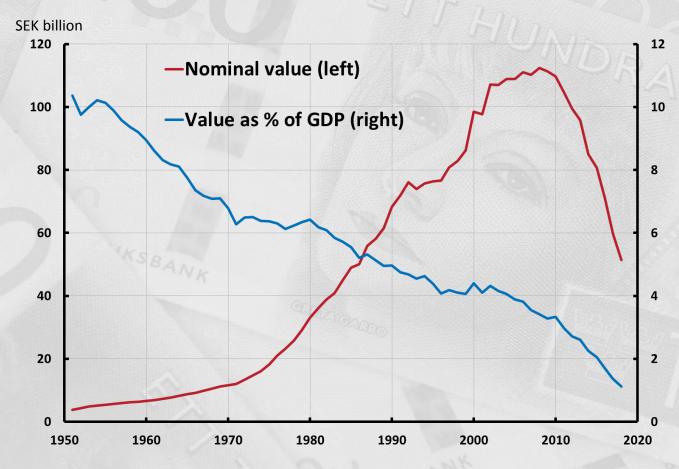
- Why an e-krona project?
- What have we done?
- When (what will we do/plans)?



VERIGES RIKSBANK

Cash in circulation is falling in Sweden





Source: The Riksbank

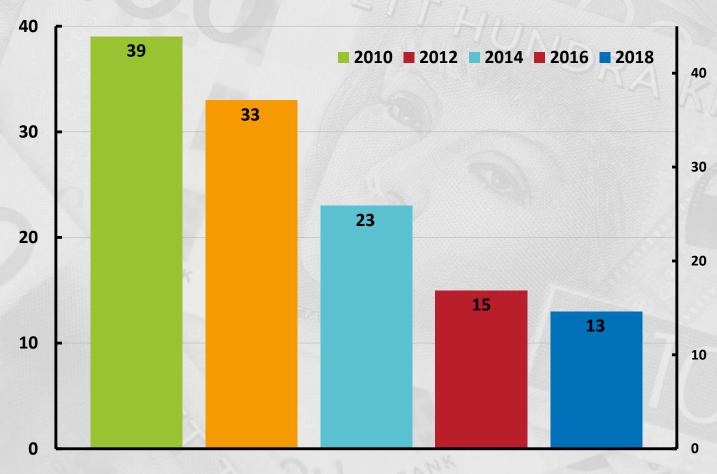


RIGES RIKSBANK

The Swedes pay less and less with cash

Did you pay with cash last time?





Source: The Riksbank, Survey of payment behavior of the Swedish population



CHERIGES RIKSBANK

Half of Swedish retailers say they won't accept cash in 7 years¹











The Riksbank shall promote a safe and efficient payment system



- Traditionally it has been done trough
 - Provision of a central large payments settlement system (RIX)
 - Facilitating role, coordinator, analysis and recommendations
 - Issuance of notes and coins (central bank money to the public)



SUEDIGES RIKSBANK

Alternatives at the current juncture



- Subsidize cash
- Argue for stricter (cash) regulation
- Do nothing

- ...or issue an e-krona?
 - Unknown territory and great complexity

Won't help?

Issues:

- Public access to central bank money?
- National payment system?
- Competition?







- What have we done?
- When (what will we do/plans)?



What have we done?



• 2017: "Brainstorming"

• 2018: Deeper analysis

- What is an e-krona?
- What can it do
- Consequences
- Legal issues





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The e-krona concept



- A claim on the Riksbank (as cash and reserves)
- SEK
- Value and/or account based
- Available real time
- Initially non-interest-bearing

→ A "CBDC" ... "digital base money"



Some takeaways



- The e-krona ensures public access to central-bank money
- It is an infrastructure. A payment system
 - A national payment system that stands on its own feet
 - Competition: Increase non-bank access to settlement services in central bank money
 - Function as a platform for innovation
- Consequences for monetary policy and financial sector and stability?

- → Further analysis and research needed in all areas
- → Need political and legislative support







• When (what will we do/plans)?



What will we do?



2019-2020

- Start developing one or more technical solutions for the e-krona
 - Value based, interest free but with built in features for register based and interest payments
- Further analysis + dialog
 - · Rational for an e-krona
 - Consequences
 - Appropriate features
- → No decision on issuance yet!







History repeats itself



Private banknotes











Fiat currency





Private digital money







Fiat digital currency



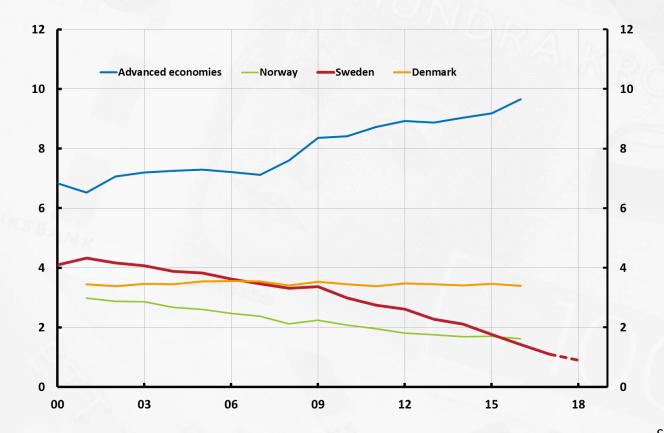






Cash in circulation

Percent of GDP



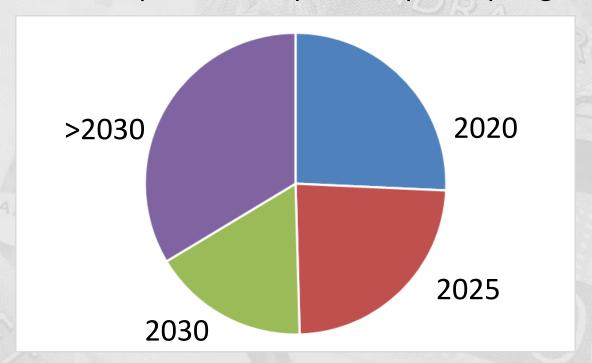
Source: Bech et al. (2018)



Half of retailers think they will not accept cash in 7 years



When do shops think they will stop accepting cash?



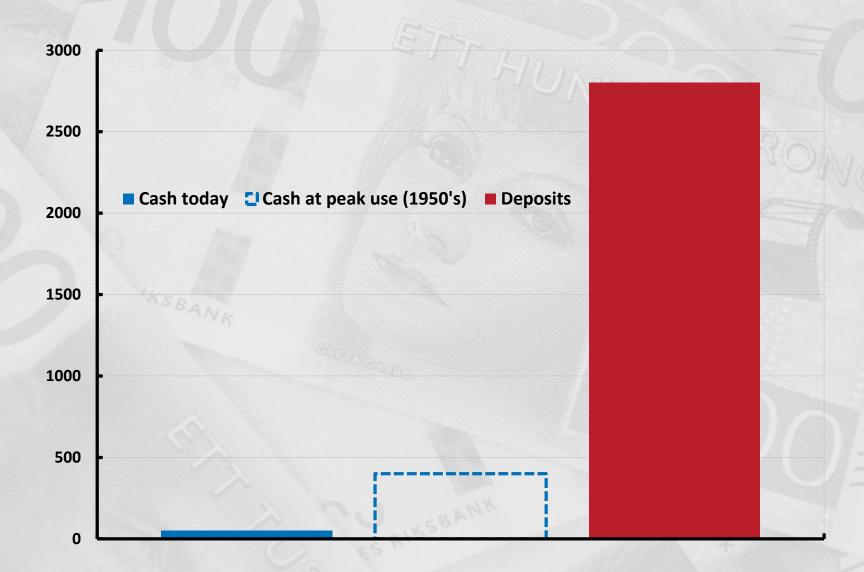


Source: Andersson, Hedman and Segendorf (2018), "Cashless Society: When will Merchants Stop Accepting Cash in Sweden. A research model." Memo.

EVERIGES RIKSBANK

Risk of disintermediation seems low







Central bank money foundation for trust in monetary system?



BIS (2003) "the perception of the public is such that it uses the various forms of money interchangeably so long as they are denominated in the same currency.

Two factors explain this: first, the existence of a form of money (central bank money) which has the support of public authorities and, second, convertibility of other monies into central bank money at par value. The combination of these two factors gives rise to the currency's single character, the certainty that "one dollar is one dollar", whatever form it takes (whether central or commercial bank money)."



BIS and IMF think countries where cash is disappearing should analyse CBDC



"In circumstances where the traditional approach to the provision of central bank money — in physical form to the general public and in digital form to banks — was altered by the disappearance of cash, the provision of CBDC could bring substantial benefits" BIS, 2018

"I believe we should consider the possibility to issue digital currency. There may be a role for the state to supply money to the digital economy"

Christine Lagarde, 2018

