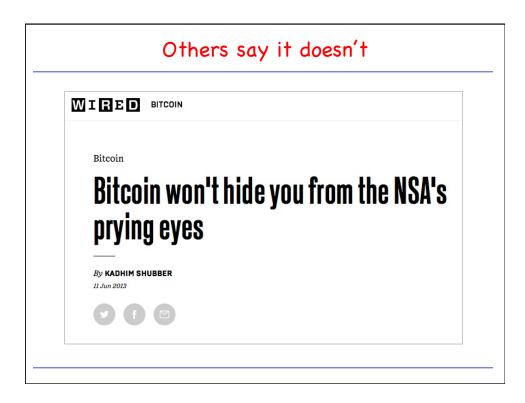
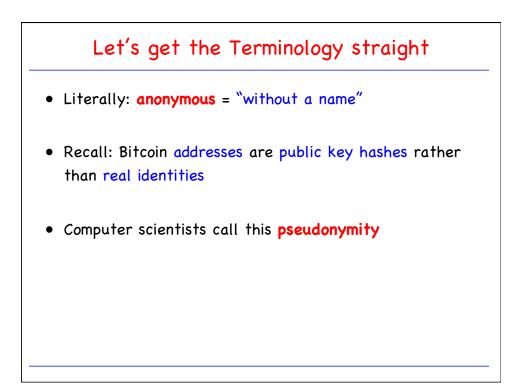
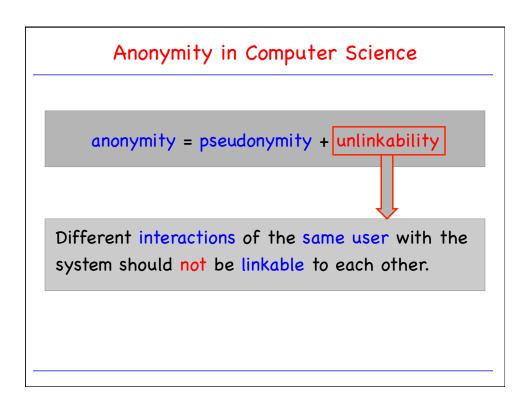


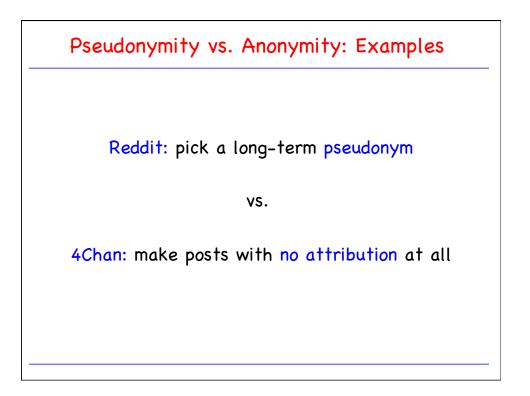


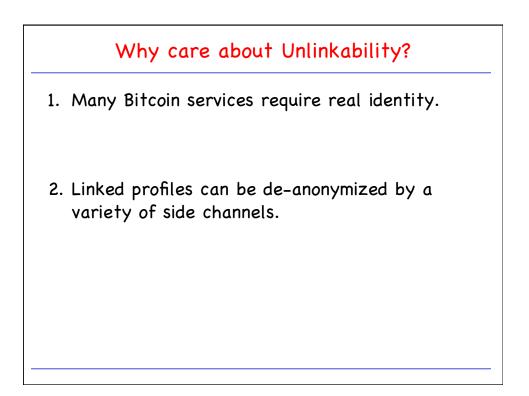
Some say Bitcoin pro	vides Anonymity
CAPABLE MEN HOME CATEGORIES START HERE DOWATE WRITE FOR US ALL	
DONATE Gapable Men remains committed to producing quality content each and every month which requires many hours of research and writing. We continuously seek solutions to help us fund this platform while keeping this experience free of intrusive advertisements or the awful cick-but junk that has become commonplate continu. Use fund yourself benefiting from the content that we provide here at Capable Men, please considers a mall donation as a token of your appreciation. This truly helps us keep the lights on while we look to develop and move forward in a sustainable and virtuous way.	
Rather pay with digital currency? We also accept Bitcoin - our address: 1Gjstb2PFjGubWAS2NkmqdYGpHsQHJ5Nv	

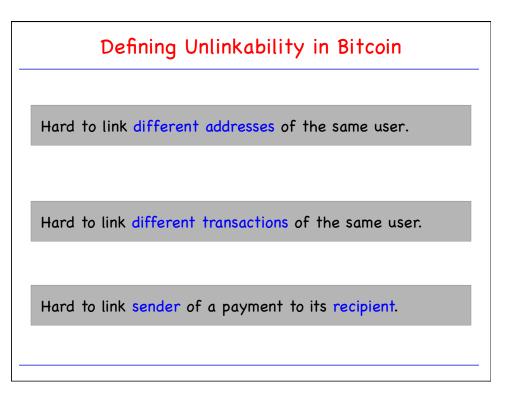


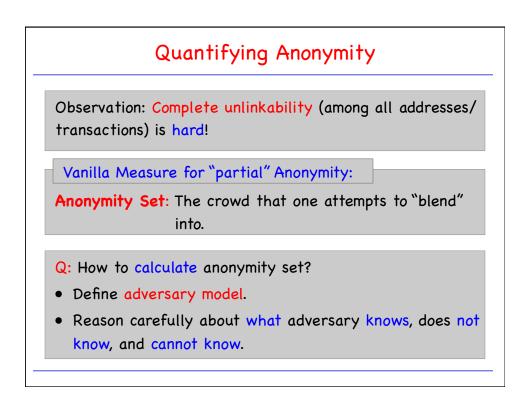












Why Worry about Anonymity?

Observation: Block chain based currencies are totally, publicly, and permanently traceable

Without anonymity, privacy in such currencies is much worse than traditional banking!

So, what about Money Laundering?!

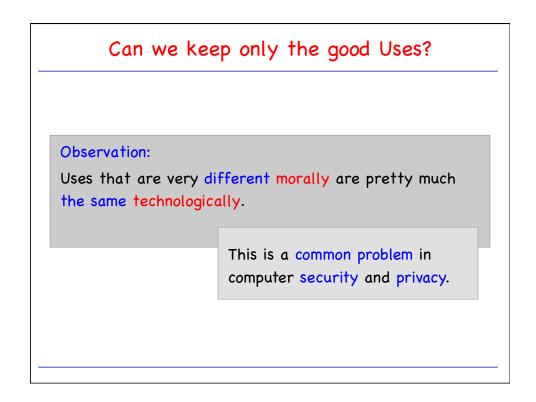
Money Laundering is a legitimate worry.

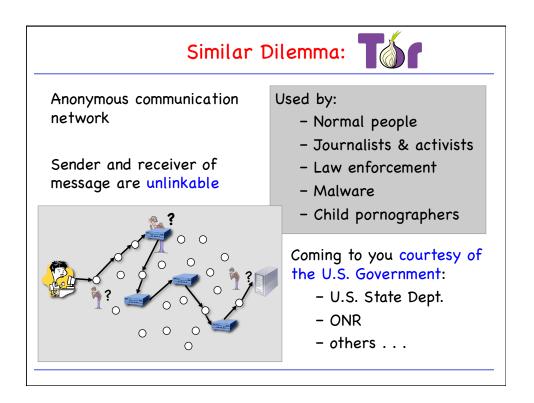
So, why is not more done about it?!

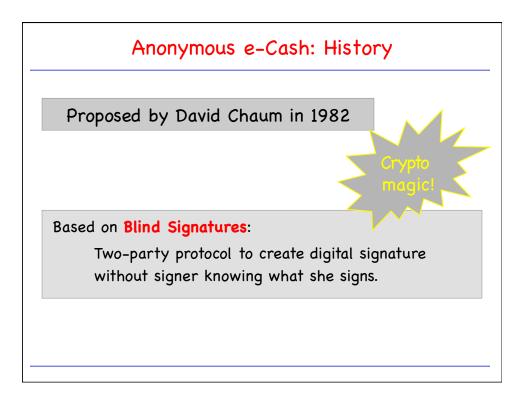
"Cashing-Out" Problem: bottleneck is with moving large flows into and out of Bitcoin.

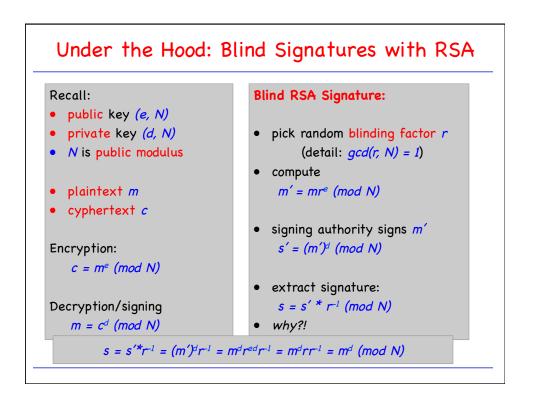
Not unique to Bitcoin!

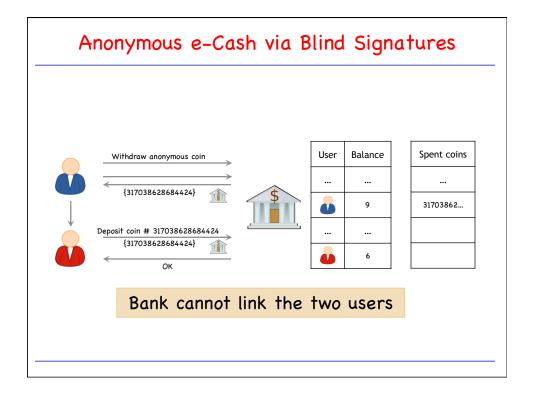
Improving Anonymity does not solve cashing-out problem.

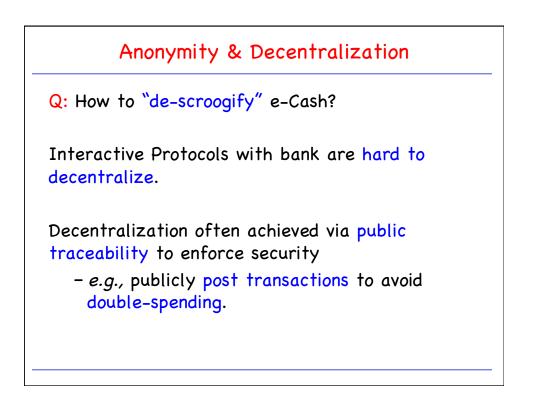






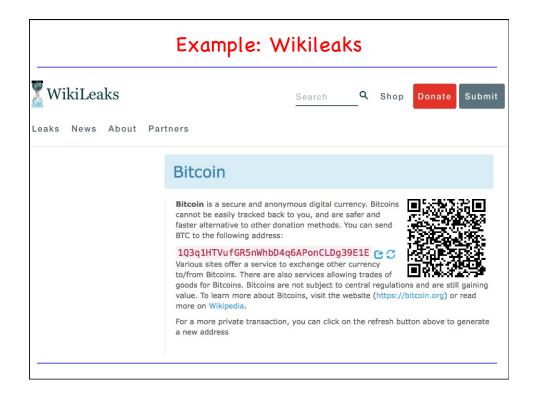


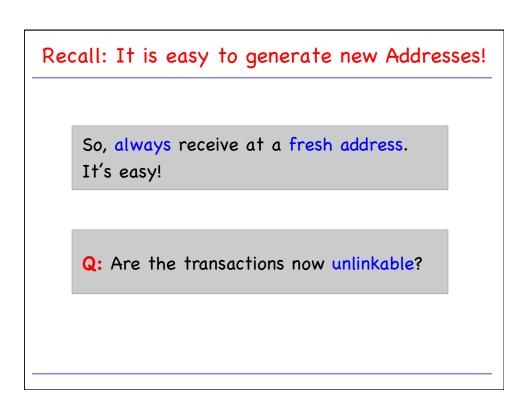


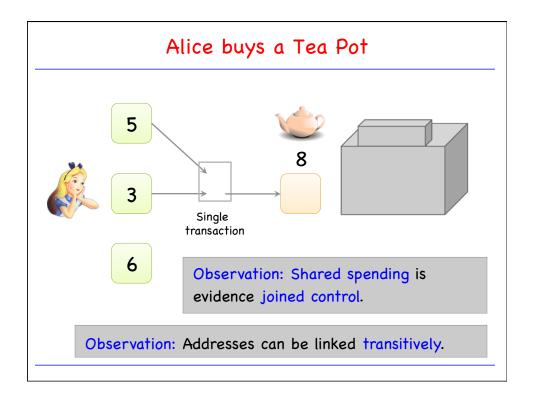


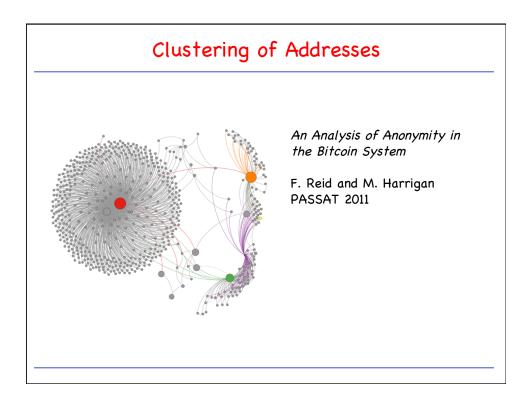


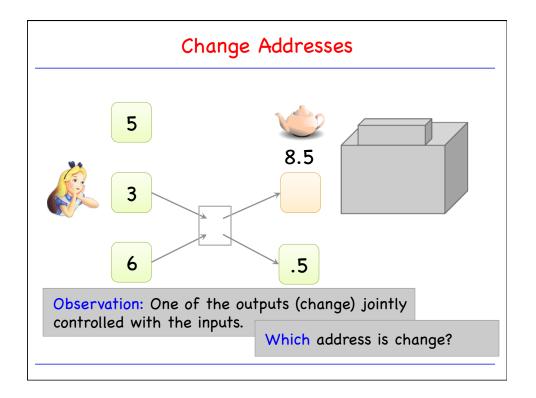
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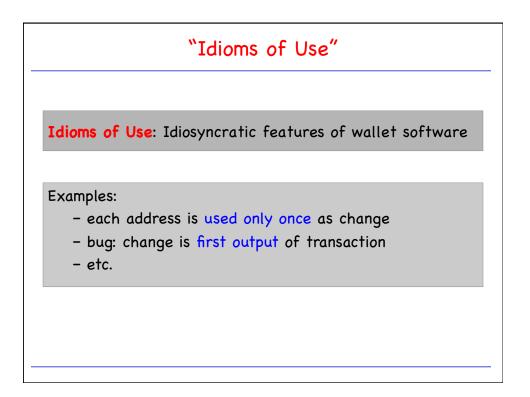


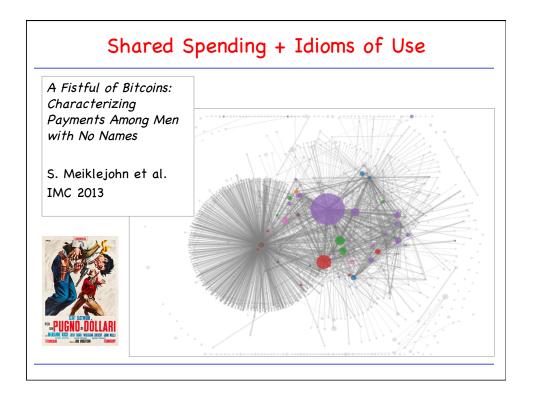


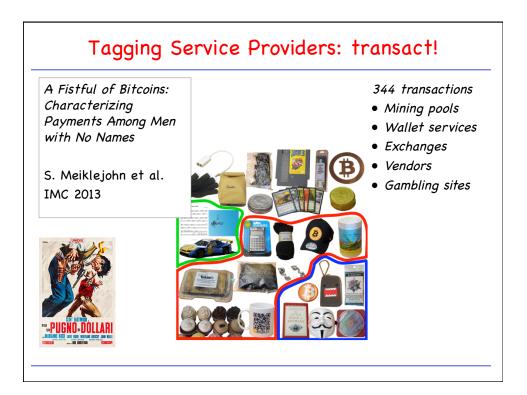


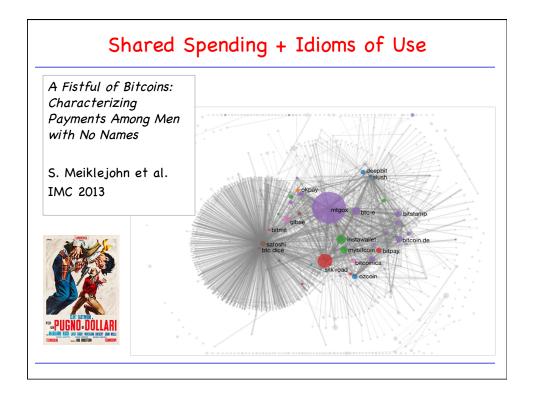


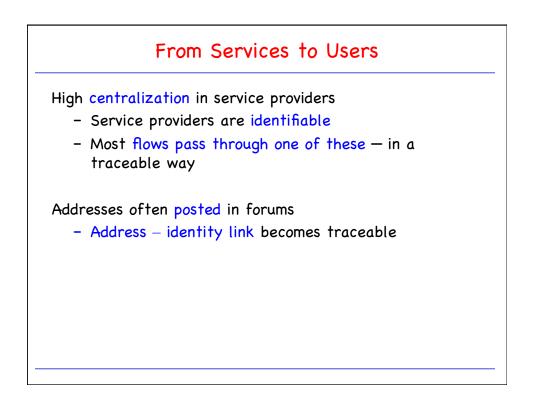


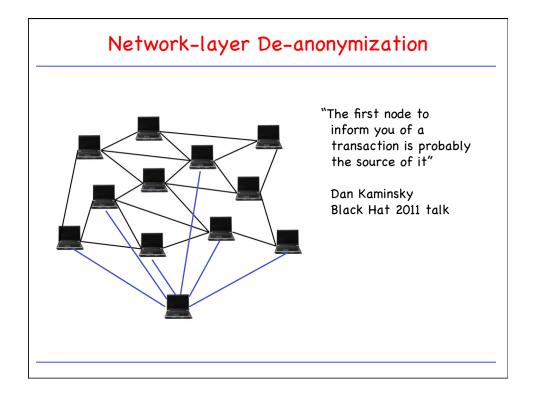


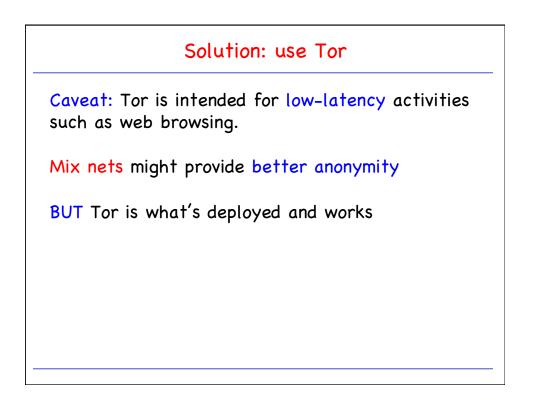




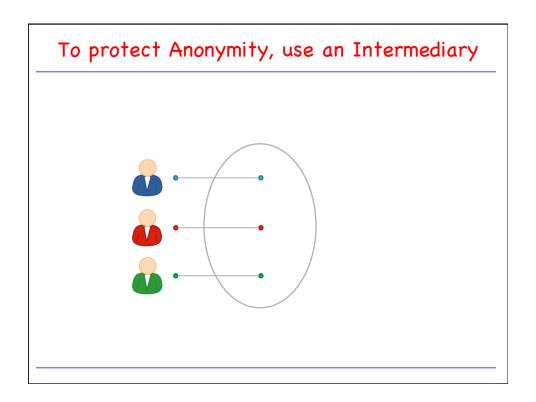


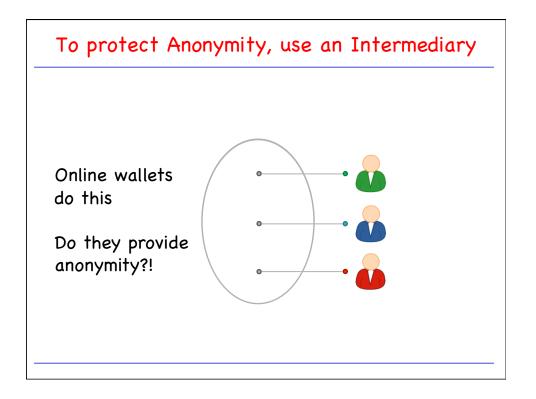




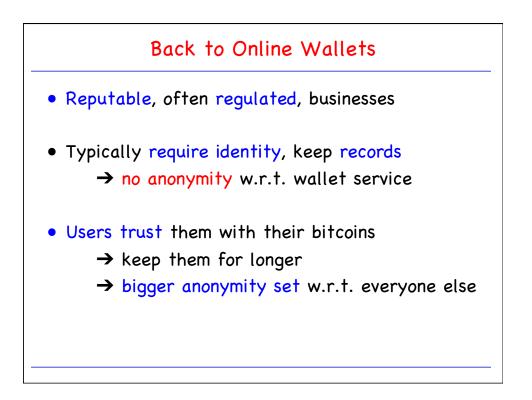


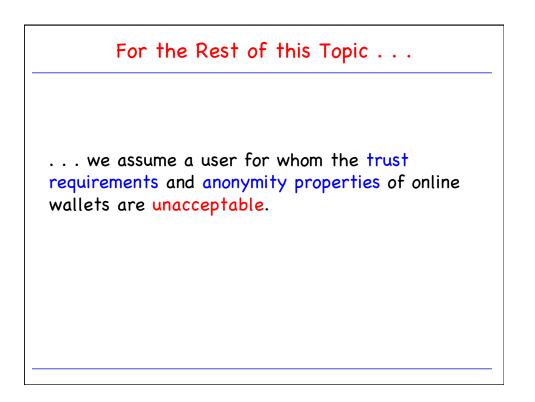


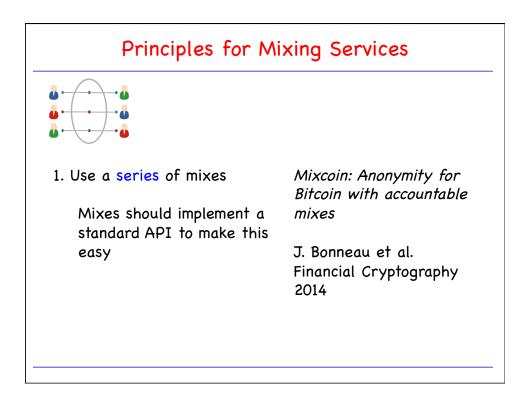


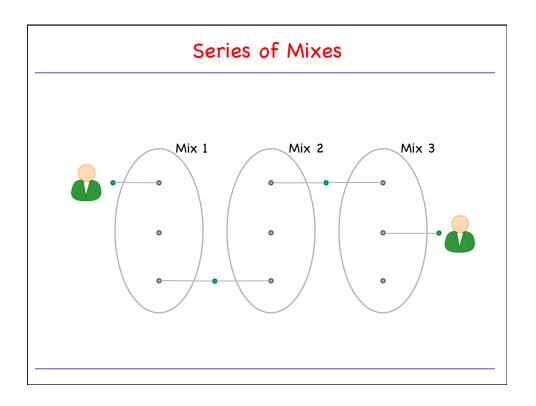


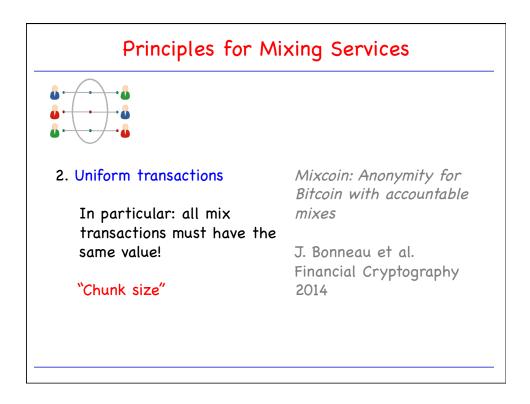


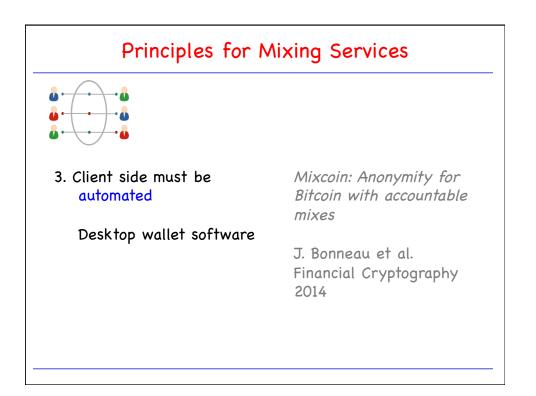


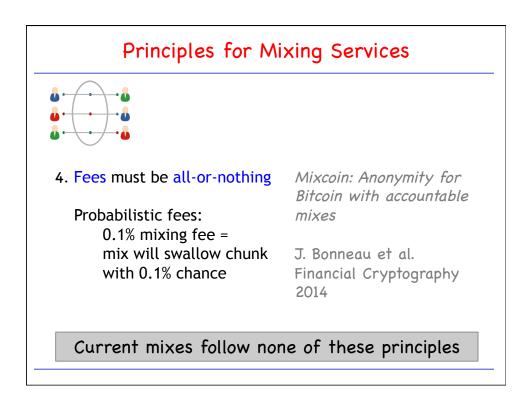






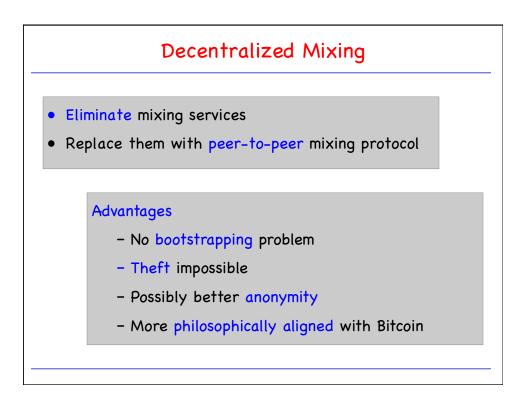


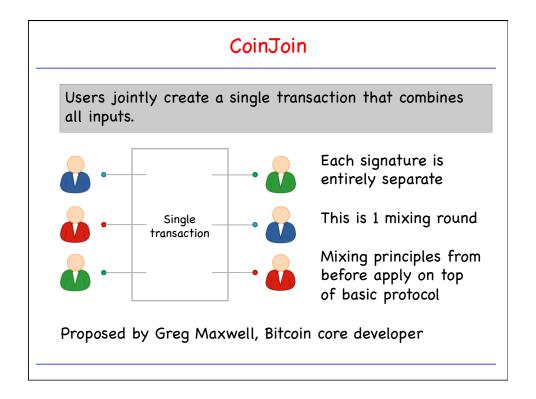


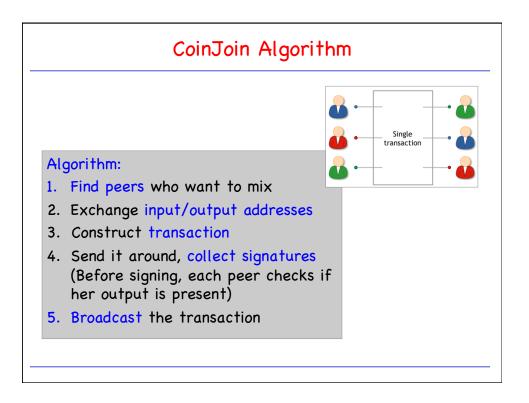


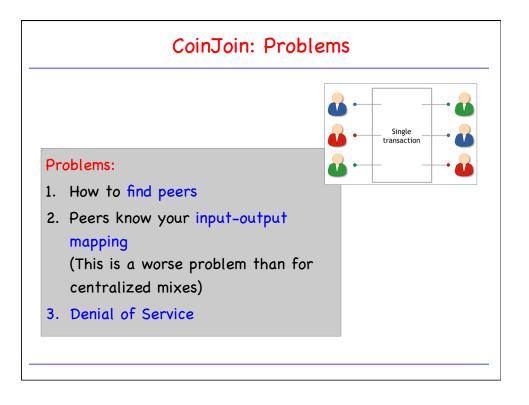








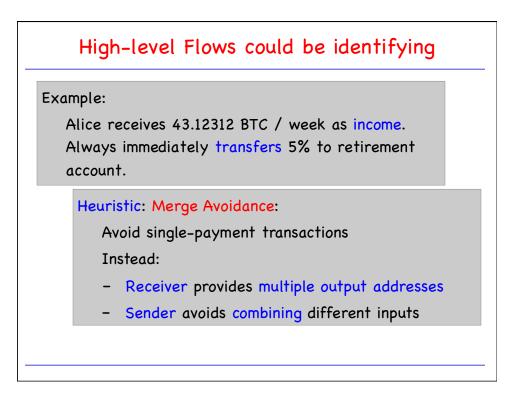


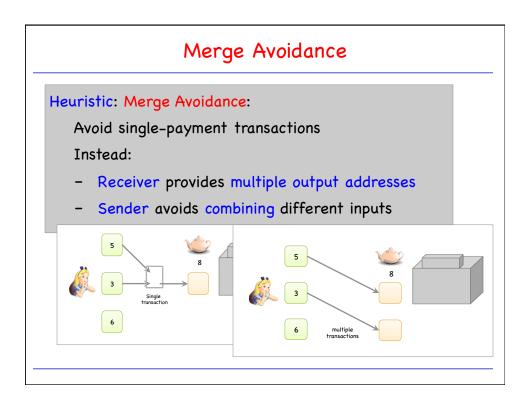


Dra	oblems:		
гтс 1.	How to find peers		
2.	Peers know your in mapping (This is a worse pro for centralized mi>	oblem than	
3.	Denial of Service	Solution	
		- Use	untrusted server
			/hy does this work?

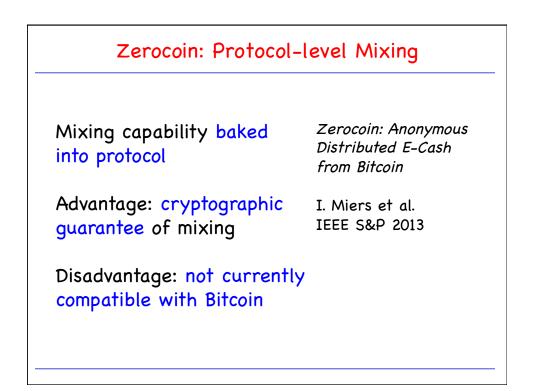
	С	oinJoin:	Problems
Pro	oblems:		
1.	How to find peers		
2.	Peers know your in mapping (This is a worse pro for centralized mix	oblem than	
3.	Denial of Service	Strawman	Solution:
		1. exc	hange inputs
		2. disc	connect and reconnect over Tor
		3. exc	hange outputs

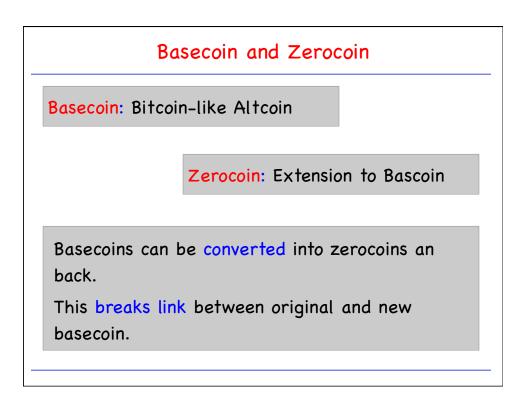
	CoinJoin:	Problems
Pro	oblems:	
1.	How to find peers	
2.	Peers know your input-output mapping	
	(This is a worse pro	Solutions:
3.	TOT CETTTALIZED THIN	of work
	• Server	kicks out malicious participant
	• Crypto	graphic "blame" protocol
	(CoinSł	nuffle: Practical Decentralized
	Coin M	ixing for Bitcoin
		ing et al., PETS 2014)

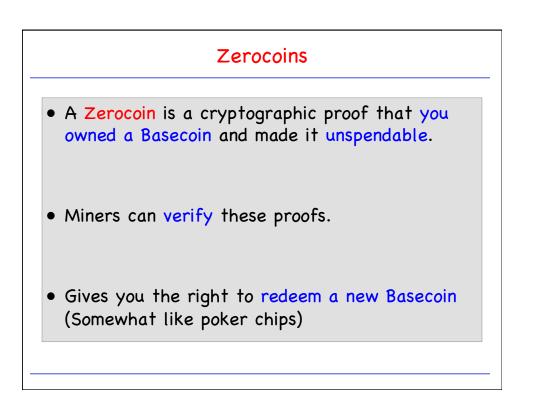


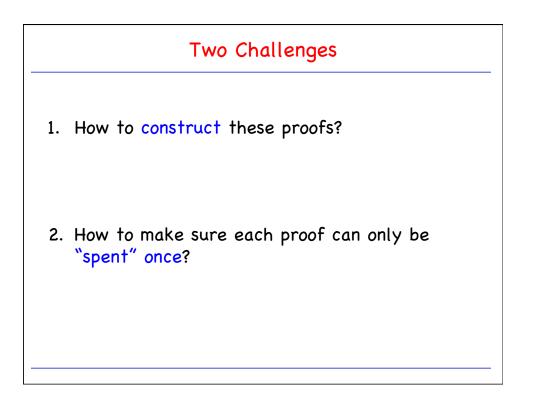


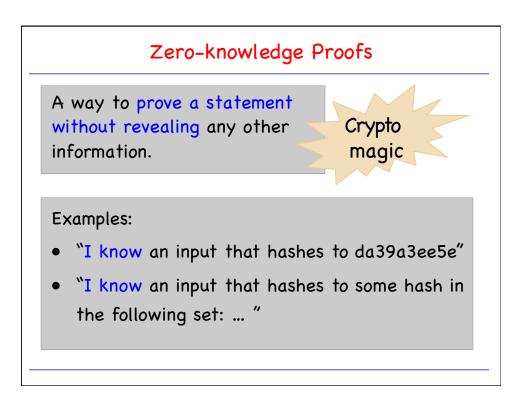


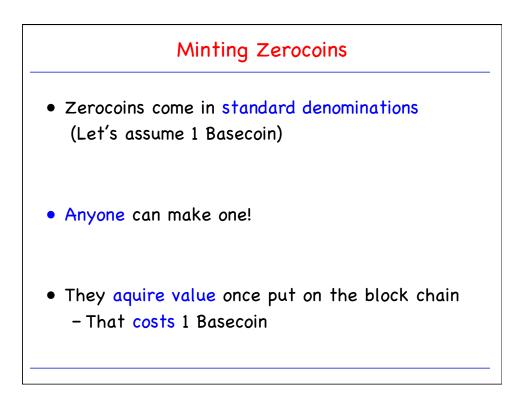


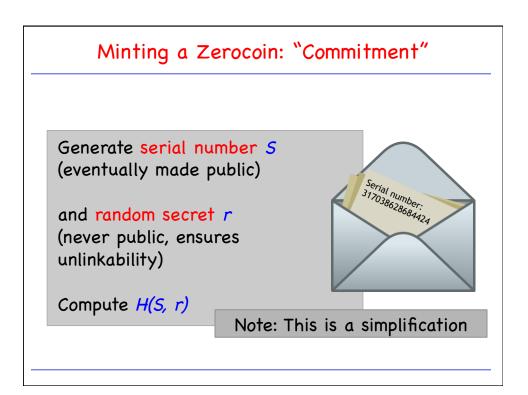


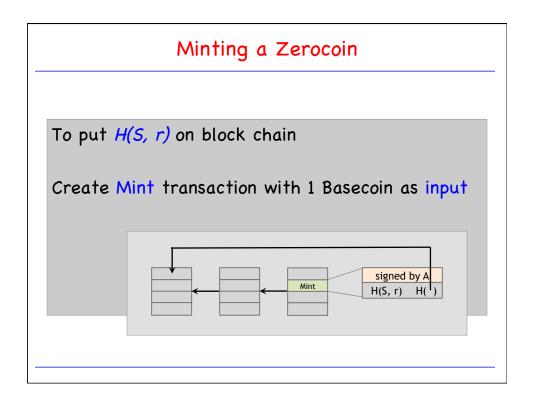


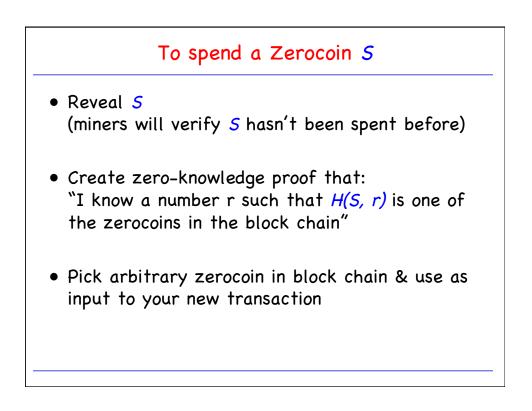


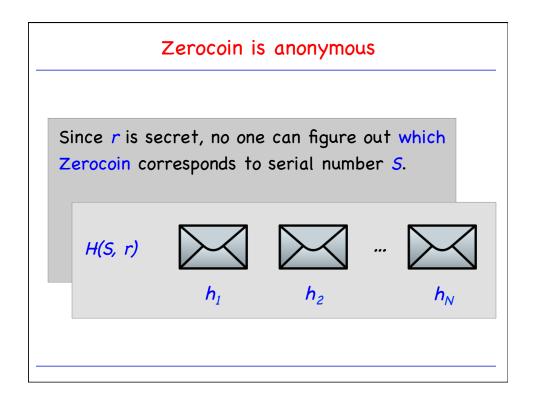


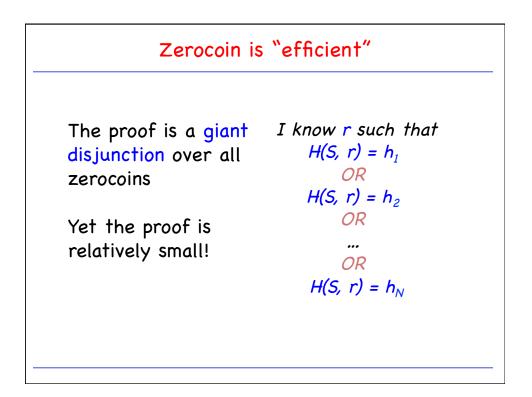


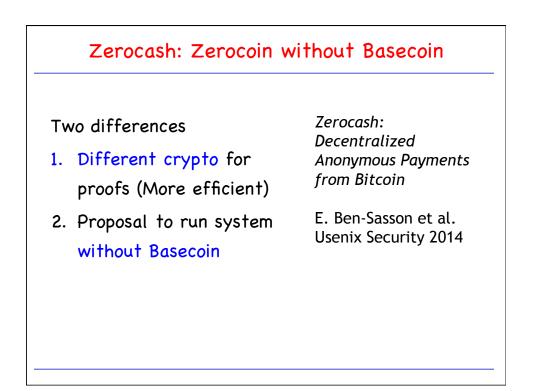


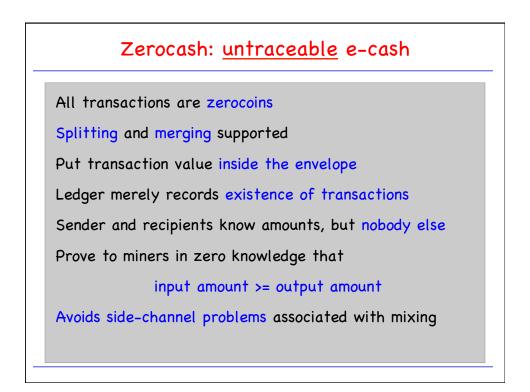


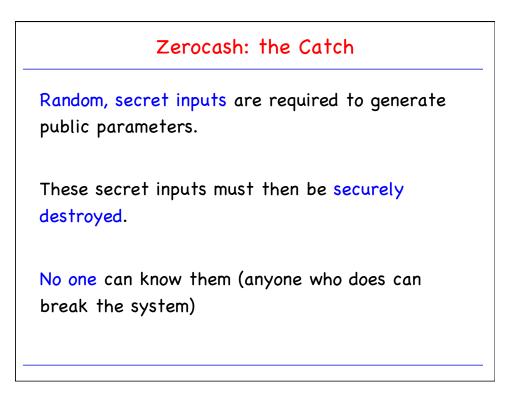












System	Туре	Anonymity attacks	Deployability
Bitcoin	Pseudonymous	Tx graph analysis	Default
Single mix	Mix	Tx graph analysis, bad mix	Usable today
Mix chain	Mix	Side channels, bad mixes/peers	Bitcoin-compatible
Zerocoin	Cryptographic mix	Side channels (possibly)	Altcoin
Zerocash	Untraceable	None	Altcoin, tricky setup



