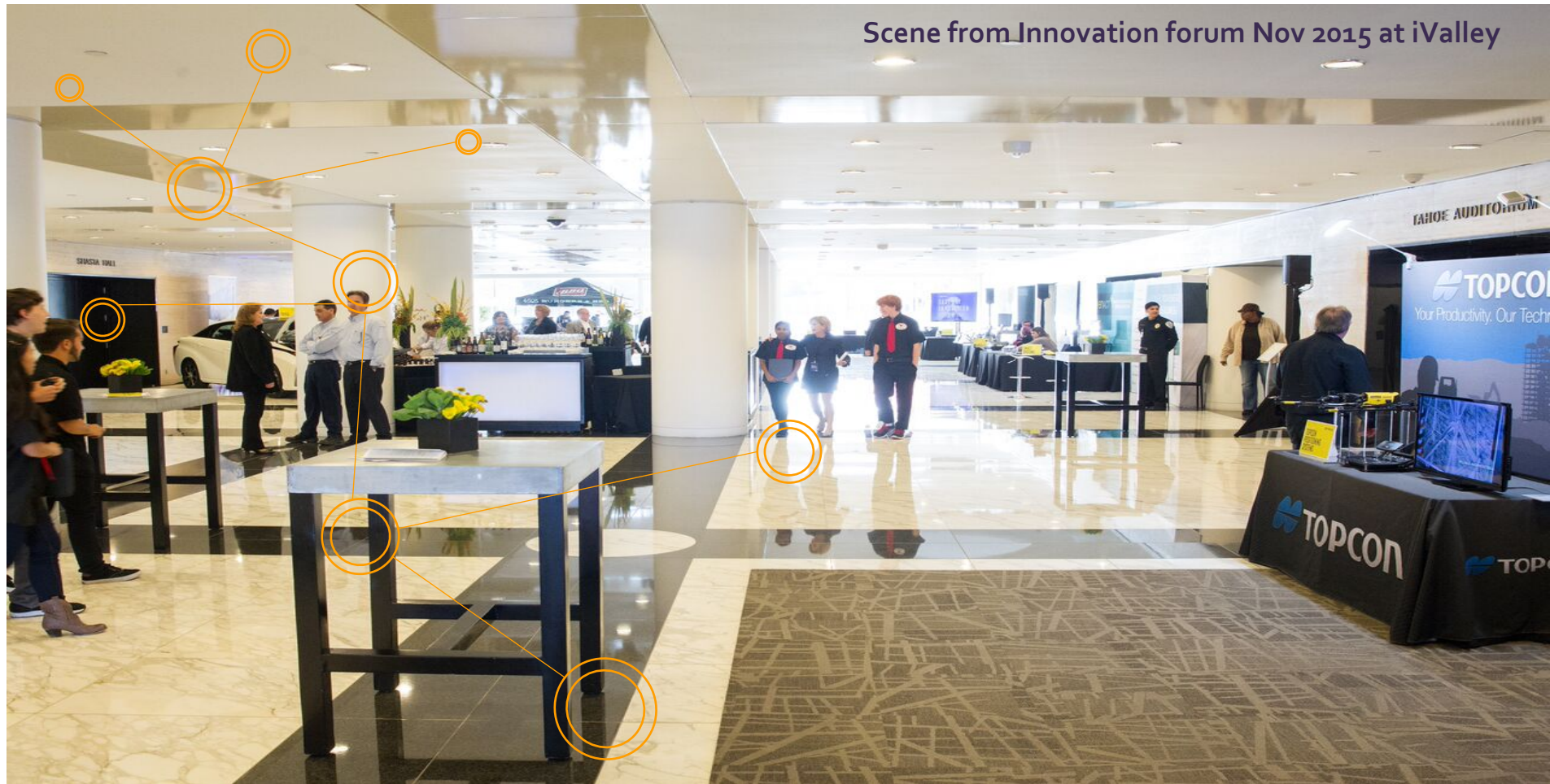




Leveraging cryptographic security and streamlined settlement and clearing for PSD2 payments



Scene from Innovation forum Nov 2015 at iValley

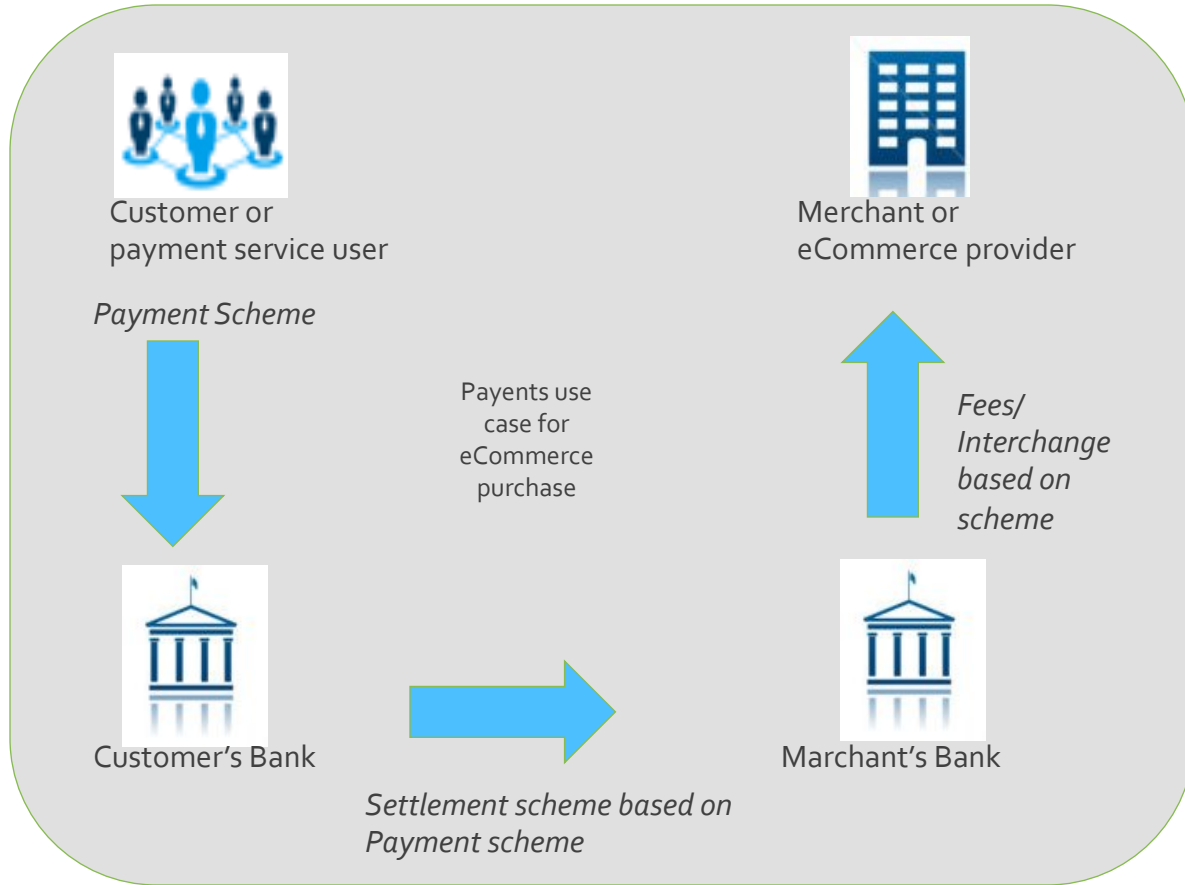
PSD2 using Blockchain distributed ledger – prepared for w3c web payments IG discussion – Jan 2016

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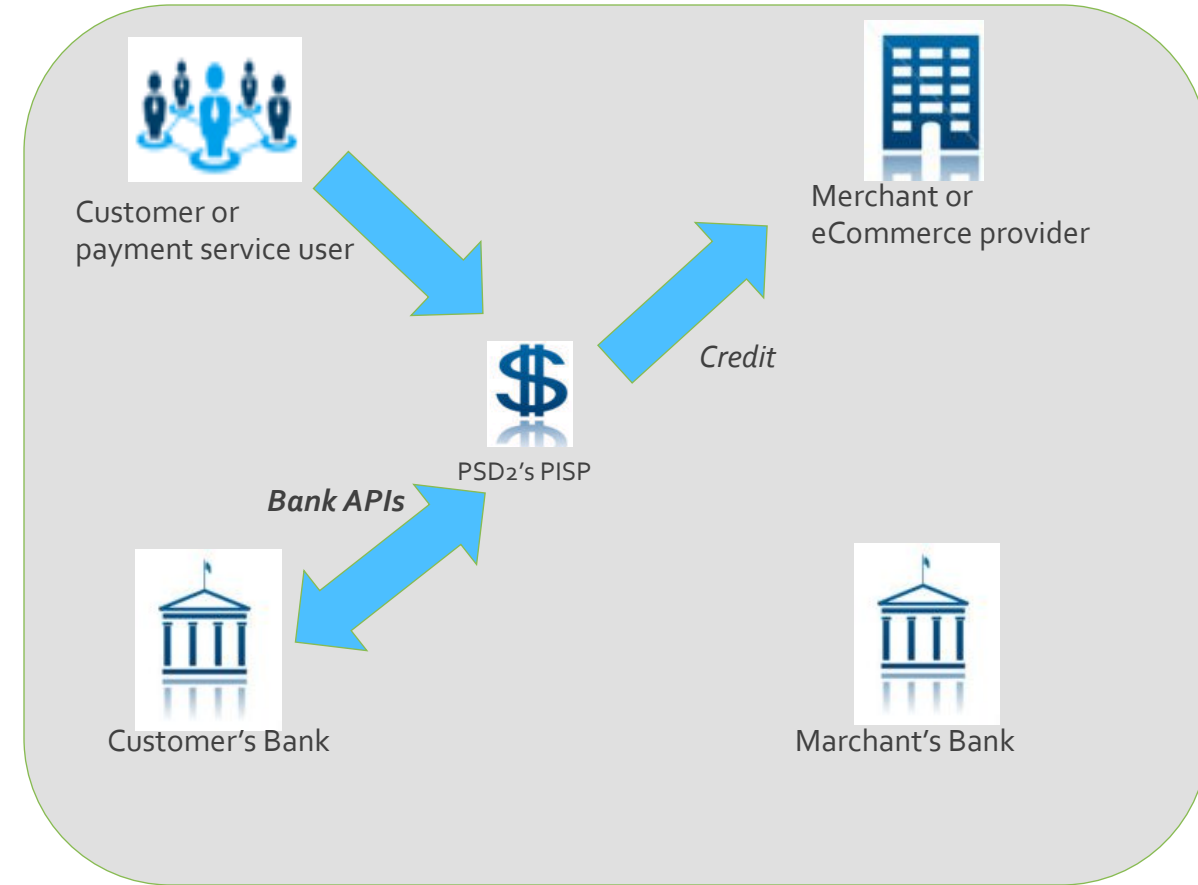
Agenda

- Recap of PISP and AISP Provision**
- Conceptual design**
- Suggested next steps**

PISP Scope for PSD2



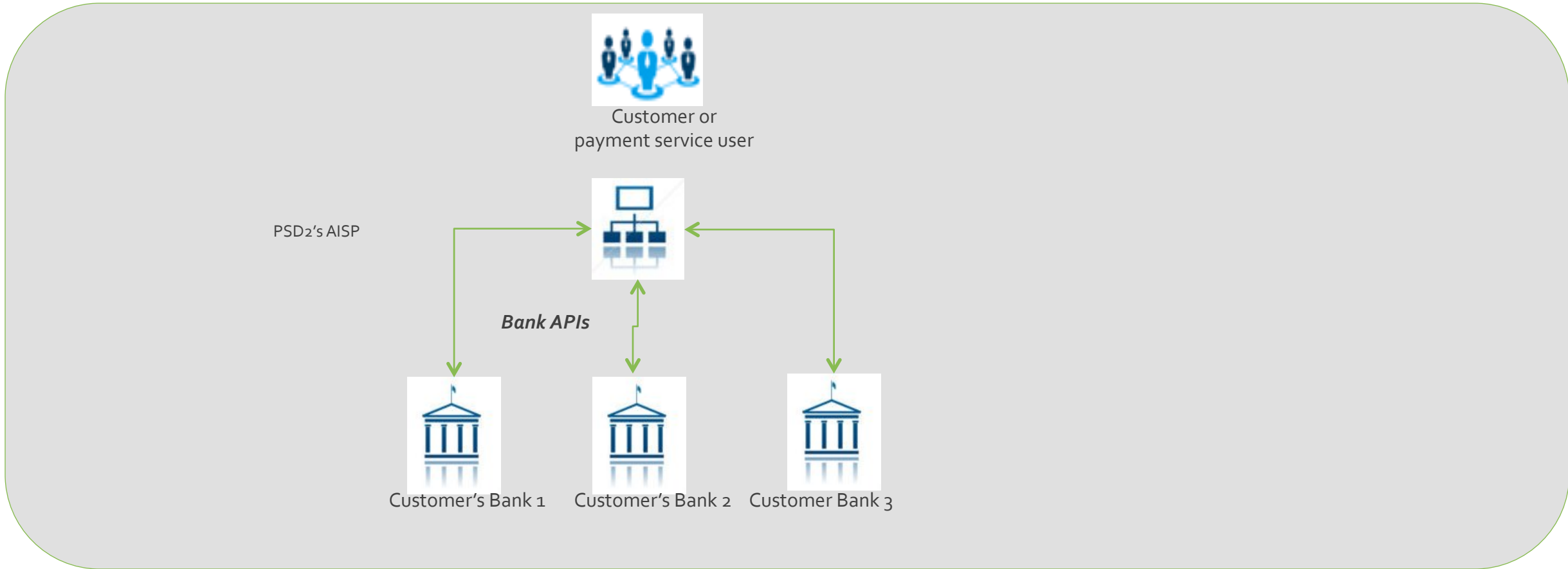
Generalized current flow for eCommerce purchase



PSD2 AISP proposed Flow – Customer opts in

- PISP Provision of PSD2 provides an alternative (opt-in for the consumer) to use of payments cards in online transactions.** Consumers initiate online payments to an e-merchant directly from their current account while conducting eCommerce transactions via the online portal of the PISP.

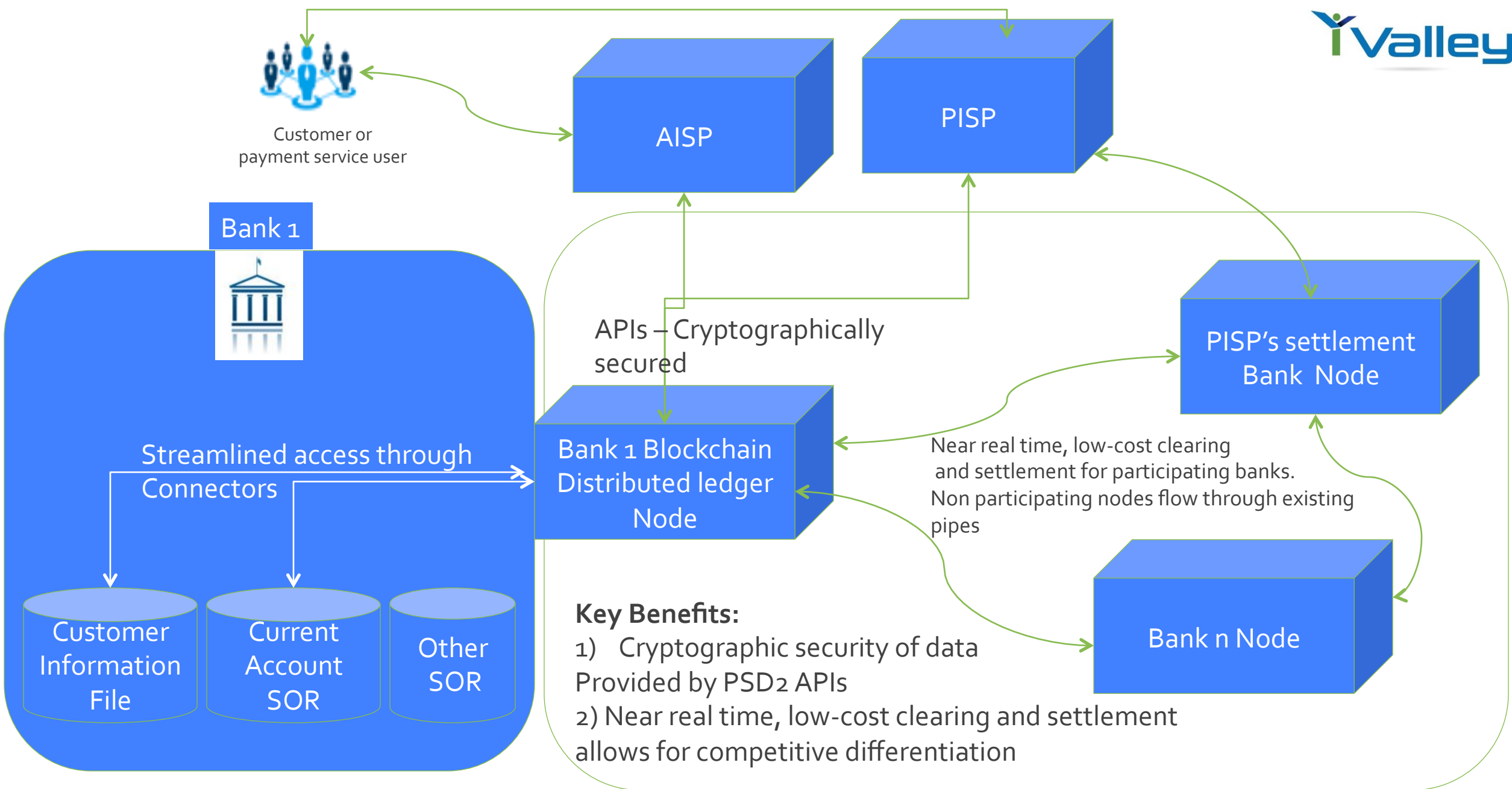
AISP Scope for PSD2



PSD2 AISP future Flow – Customer opts in

- **AISP Provision of PSD2 provides multi-bank customer to view their account information in aggregate with a 3rd party provider**

Banks have to provide secure access through APIs of Customer's account balance and history.



Conceptual level for discussion purposes

Permissioned Blockchain Distributed ledger

- ❑ Review detailed design and applicable standards
 - ❑ Cryptographic security/verifiable assets
 - ❑ Inter-ledger integration
- ❑ Identify interest in POC/Pilot - participating FIs and technology providers
- ❑ Scope and execute POC/Pilot and develop recommendations