



Legal aspects of blockchain & smart contracts

Sandra van Heukelom

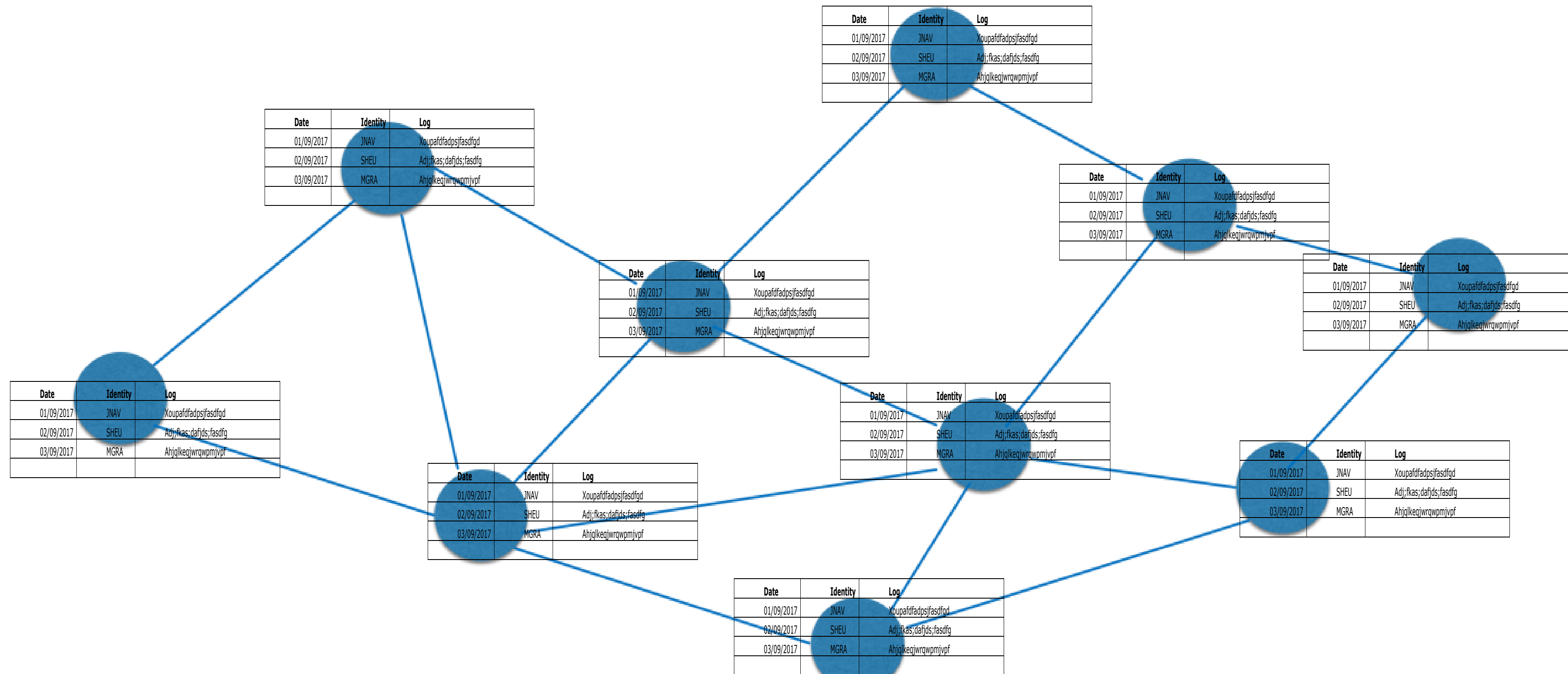
Pels Rijcken
& Droogleever
Fortuijn *advocaten*
en notarissen



Blockchain as a digital ledger

| Date | Identity | Log |
|-------------|-----------------|------------------------|
| 01/09/2017 | JNAV | Xoupafdfadpsjfasdfgd |
| 02/09/2017 | SHEU | Adj;fkas;dafjds;fasdfg |
| 03/09/2017 | MGRA | Ahjqlkeqjwrqwpmjvpf |
| | | |

Blockchain as a distributed ledger



smart contracts

```
contract Purchase {
    uint public value;
    address public seller;
    address public buyer;
    enum State { Created, Locked, Inactive }
    State public state;

    function Purchase() payable {
        seller = msg.sender;
        value = msg.value / 2;
        if (2 * value != msg.value) throw;    }

    /// parts removed

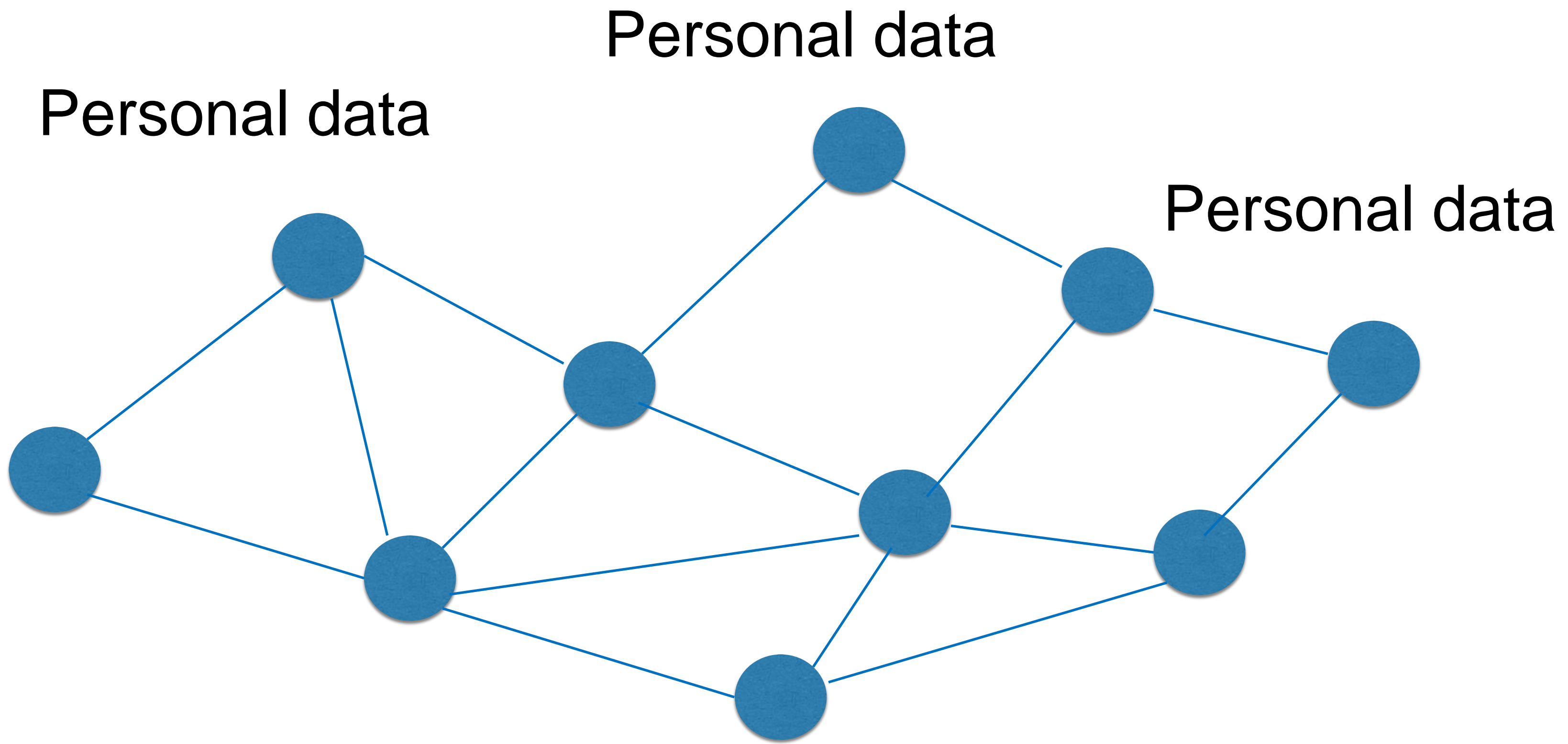
    event aborted();
    event purchaseConfirmed();
    event itemReceived();
    _;
}

/// parts removed
```

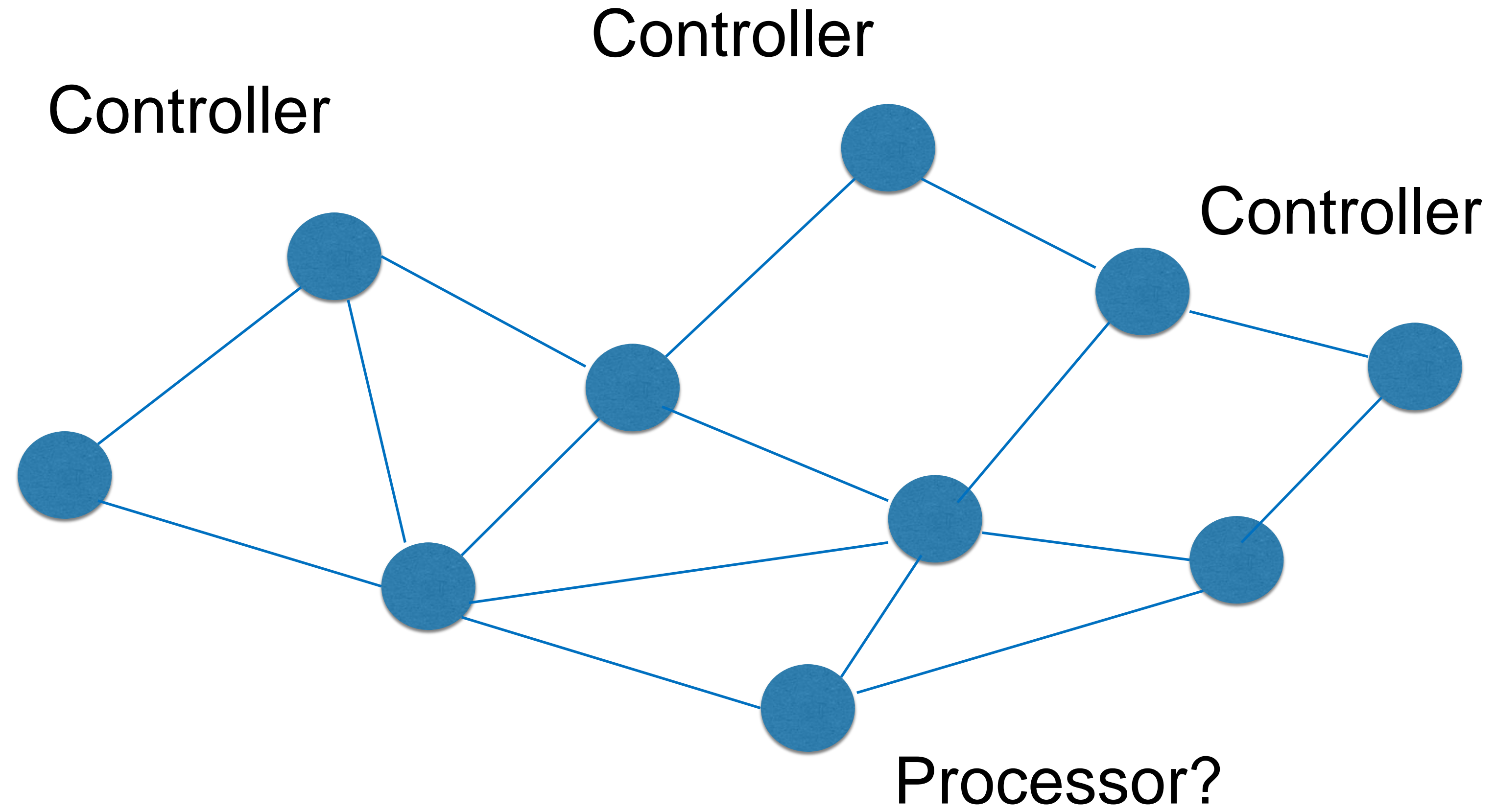
Legal aspects:

- Who is who en who is authorised? Identity, SDI and autorisation
- Which law is applicable? From which country? Applicable law
- Privacy by design required? GDPR
- Who 'owns' the blockchain and the data? Ownership of blockchain and data
- Has a smart contract a legal meaning?
- Who is liable for what?
- May parties work together? Competition law
- What's the role of the regulatory bodies?
- What's the legal meaning of crypto?
- How do we solve our dispute?







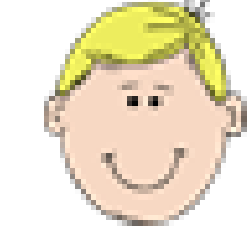

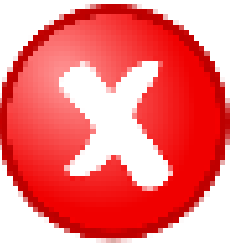









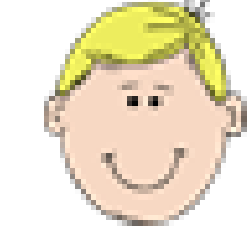

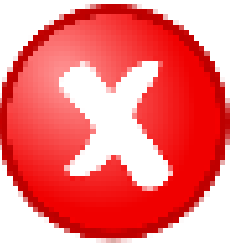









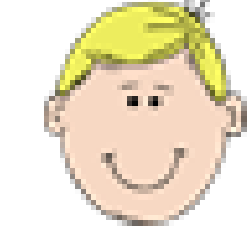

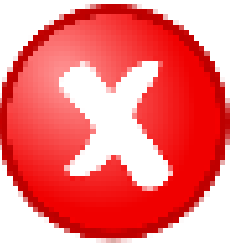



GDPR



GDPR



GDPR

| DATUM | NAAM | LOG | WIE ZIET WAT? Pas hieronder aan | | | | | | | | | | | | |
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GDPR



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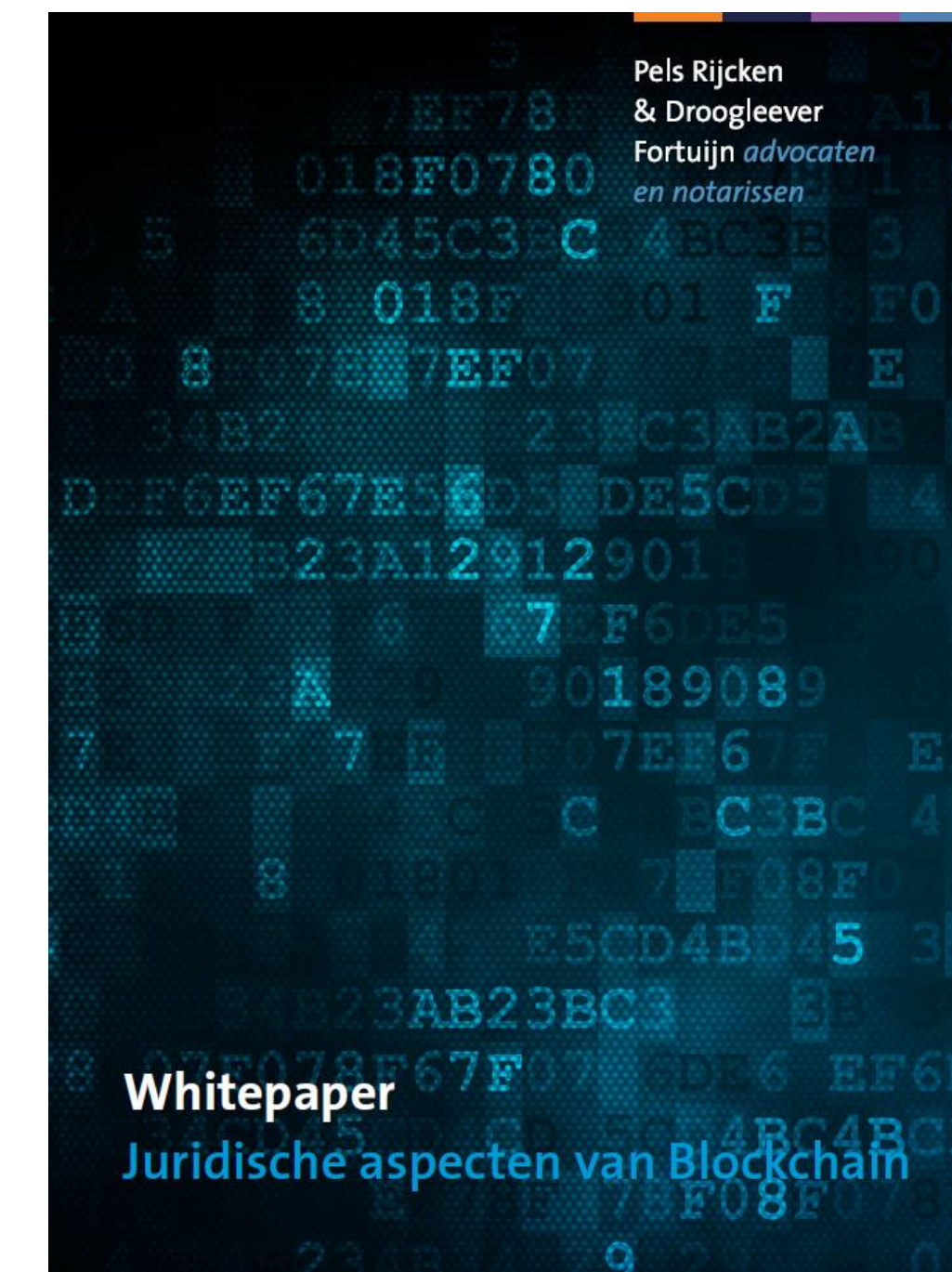
Contact



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bit.ly/BlockchainPelsRijcken



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