Legal aspects of blockchain & smart contracts

Sandra van Heukelom
Blockchain as a digital ledger

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<th>Identity</th>
<th>Log</th>
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<td>MGRA</td>
<td>Ahjqlkeqjwrqwpmjvpf</td>
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Blockchain as a distributed ledger
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
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<th>DATUM</th>
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<th>WIE ZIET WAT?</th>
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Contact

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[Image 96x706 to 296x907]
[Image 1340x477 to 1717x989]
[Image 1580x52 to 1780x172]
[Image 1579x-0 to 1920x4]

www.linkedin.com/showcase/digitale-transformatie

bit.ly/BlockchainPelsRijcken

Pels Rijcken & Droogleever Fortuijn advocaten en notarissen
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