

**bloxberg**

Blockchain-Infrastruktur für  
wissenschaftliche Forschung

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## What is bloxberg?

Blockchain consortium founded in spring 2019 at Ringberg castle operating a public Ethereum network for scientific research

## Who are the members?

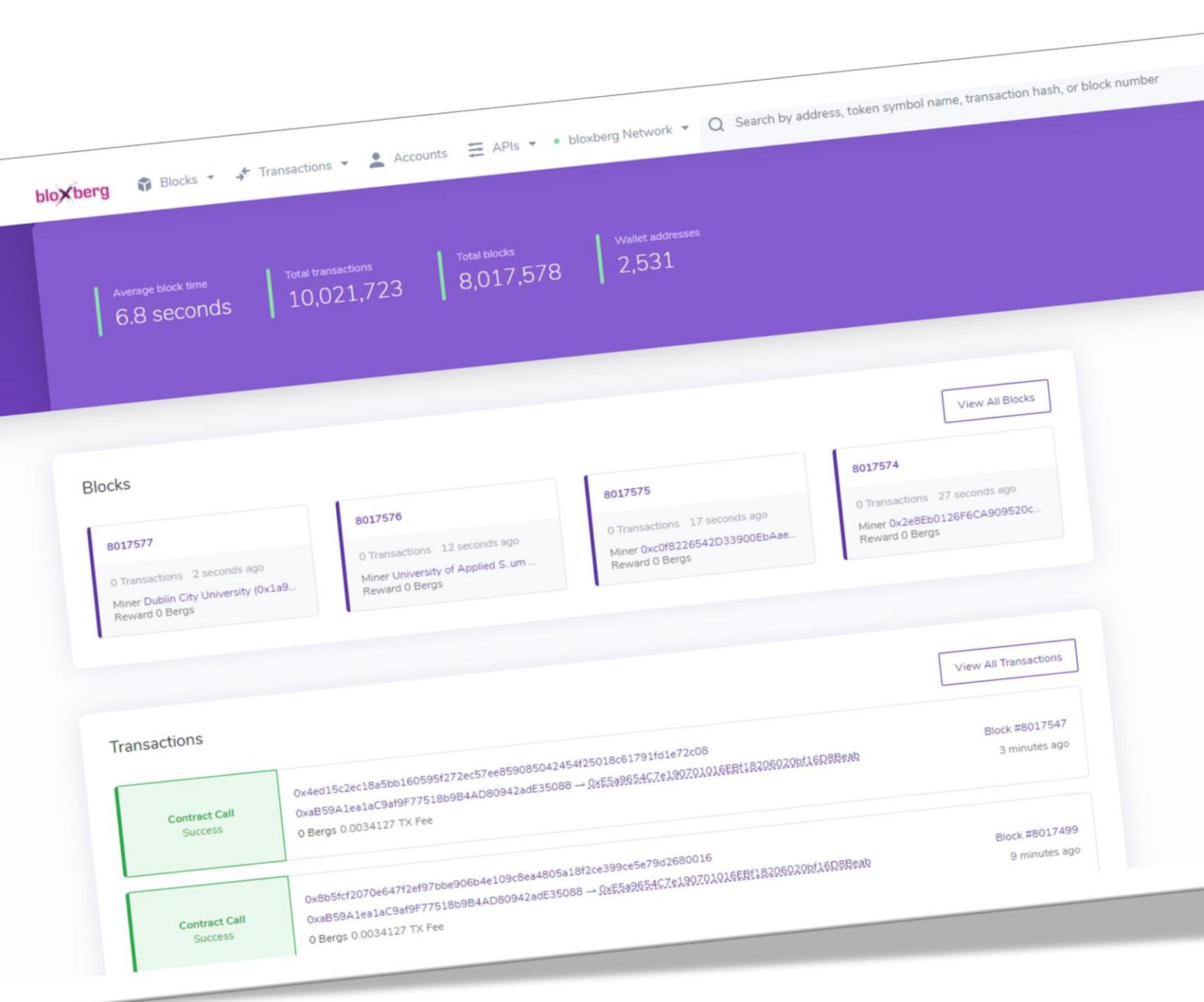
Universities and research organizations world-wide, among others

- › Max Planck Society
- › University College London
- › Carnegie Mellon University
- › Karlsruhe Institute of Technology
- › ETH Zürich
- › Fraunhofer



## How does the consortium work?

- › Governance defined in the whitepaper
- › Voting on admittance of members, governance updates etc. on-chain
- › Voting power adjusted after each vote as incentive for participation
- › Sanctions for nodes being offline, spamming the network etc.
- › Bloxberg Improvement Proposals (BLIP) similar to (EIP)
- › Election of a member for the iron throne for 1 year
- › Slack channels for discussions and working groups
- › Monthly conf call, annual summit
- › No legal entity established yet



## Who are the validators?

Each member operates an authority node, there are currently 29 of them.

## Which consensus is used?

Bloxberg is based on Open Ethereum (Parity) and uses a PoA consensus called AuRa.

## How is ether distributed?

The native cryptocurrency of bloxberg is called berg. Validators earn bergs by producing blocks. Non-validators can acquire bergs in limited amount from a faucet.



## What is deployed on bloxberg?

Beside infrastructure services like the Ethereum Name Service (ENS) and the Gas Station Network (GSN) there is an e-voting dApp used by members and a time-stamping / certification service available to the public.

Also third party projects like DecentraVote use the network as secure infrastructure for their smart contracts.

## What is planned in the future?

Some of the envisioned future applications include scientific identity, peer reviews, research data sharing and research funding.

## Kontakt

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