

Information on principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

Ethereum (ETH)

Mandatory information on the main adverse effects on the climate and other environment-related adverse effects of the consensus mechanism.

General information		
S.1	Name	KBC Bank NV
S.2	Legal Entity Identifier	6B2PBRV1FCJDMR45RZ53
S.3	Name of the crypto-asset	Ethereum (Digital Token Identifier: X9J9K872S)
S.4	Consensus Mechanism	Ethereum uses Proof of Stake (PoS), where validators propose and certify blocks by depositing Ether (ETH), the network's native token. Validators are randomly selected to propose blocks and collectively agree on their validity. PoS eliminates energy-intensive computations by replacing miners with validators, significantly reducing energy consumption while maintaining security and network decentralization. The deposited ETH acts as collateral that can be reduced ("slashed") in cases of misbehavior, incentivizing honest participation in the network.
S.5	Incentive Mechanisms and Applicable Fees	Validators are incentivized by issuing staking rewards (new ETH issued) and transaction fees (priority fees). The base transaction fee, introduced with EIP-1559, is burned to regulate the supply of Ethereum. Validators earn part of the fees paid by users to prioritize transactions. Staking rewards are distributed according to the validator's performance, guaranteeing network security through financial incentives.
S.6	Beginning of the period to which the information disclosed relates	2026-02-16
S.7	End of the period to which the information disclosed relates	2027-02-16
Mandatory key indicator on energy consumption		
S.8	Energy consumption	8,380,000 kWh per year

Sources and methodologies		
S.9	Energy consumption sources and methodologies	<p>Source: Cambridge Centre for Alternative Finance. Cambridge Bitcoin Electricity Consumption Index (CBECI).</p> <p>Notes: The methodology is based on a top-down hybrid approach that combines network activity hashrate data with assumptions about overall hardware usage based on a break-even point. Complete description of the methodologies available at: Cambridge Blockchain Network Sustainability Index: CBECI: Methodology</p>