

Bitcoin Carbon Footprint Analysis

DDA Physical Bitcoin
ETP

ISIN: DE000A3GK2N1
Q1/2022

intas.tech in collaboration with the Frankfurt School Blockchain Center is applying the Bitcoin Climate Neutrality Investment Standard™ (BCNIS™) to assess the proportional carbon footprint for DDA Physical Bitcoin ETP (ISIN: DE000A3GK2N1).

Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

Calculated carbon emissions equivalent:
15.72 tCO₂

(Observation period: January 1, 2022 – March 31, 2022)

BCNIS™: Calculation model for determining the carbon footprint of financial products that include Bitcoin in line with Greenhouse Gas Protocol Scope 3 emissions. More information on the methodology is available as part of this **report**. This approach allows investors, asset managers, crypto exchanges, and custodians to anticipate and comply with regulatory requirements concerning ESG criteria like the European Union's Sustainable Finance Disclosure Regulation (SFDR) at an early stage.

About intas.tech

intas.tech is a blockchain consultancy founded by the Frankfurt School and Plutoneo and is specifically tailored to the needs of financial organizations. intas.tech focuses on the integration and handling of digital assets and the strategic evaluation of blockchain deployment opportunities and their implementation.

About the Frankfurt School Blockchain Center

The **Frankfurt School Blockchain Center** is a think tank and research center which investigates implications of the blockchain technology, crypto assets and distributed ledger technology (DLT) for companies and their business models. Besides the development of prototypes, it serves as a platform for managers, startups, technology and industry experts to share knowledge and best practices. The Blockchain Center also provides new research impulses and develops trainings for students and executives. It focuses on banking, finance, mobility and, "Industrie 4.0".

Disclaimer: The underlying methodology for this calculation includes assumptions on a best effort basis. Detailed information regarding the sources and calculation model is available in this [report](#). [intas.tech](#) and the [Frankfurt School Blockchain Center](#) have taken reasonable care to ensure the information is accurate but cannot be held liable for any errors or omissions.

Bitcoin Carbon Footprint Analysis

DDA Physical Bitcoin
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ISIN: DE000A3GK2N1
Q2/2022

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Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

**Calculated carbon emissions equivalent:
7.16 tCO₂**

(Observation period: April 1, 2022 – June 30, 2022)

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DDA Physical Bitcoin
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ISIN: DE000A3GK2N1
Q3/2021

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Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

**Calculated carbon emissions equivalent:
17.25 tCO₂**

(Observation period: July 1, 2021 – September 30, 2021)

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Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

Calculated carbon emissions equivalent:
7.26 tCO₂

(Observation period: July 1, 2022 – September 30, 2022)

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ISIN: DE000A3GK2N1
Q4/2021

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Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

Calculated carbon emissions equivalent:
39.73 tCO₂

(Observation period: October 1, 2021 – December 31, 2021)

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ISIN: DE000A3GK2N1
Q4/2022

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Applying the transaction-based carbon footprint calculation model of the BCNIS™, the carbon emission was determined:

Calculated carbon emissions equivalent:
2.29 tCO₂

(Observation period: October 1, 2022 – December 31, 2022)

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