

The **MiCA Crypto Alliance** has prepared an ESG Factsheet with mandatory, supplementary and optional MiCA-compliant indicators for Bittensor (TAO).

The **MiCA Crypto Alliance** enables L1 and L2 crypto asset projects, exchanges, and other CASPs to produce state-of-the-art, uniform, MiCA white papers and MiCA sustainability indicators, setting and following best practices.



Exchanges and other CASPs members of the Alliance receive a downloadable, multi-crypto asset file with sustainability indicators with values as the below.

Article 3(1) CDR 2025/422

*"Information that crypto-asset service providers are to make publicly available on their website (...)
It shall be in form of a downloadable file and presented in a way that is easy to read, with characters of readable size and a style of writing that facilitates its understanding and that facilitates comparisons"*

Mandatory Information on principal adverse impacts on the climate

N	Field	Content																
General Information																		
S.1	Name	Young Platform S.P.A.																
S.2	Relevant legal entity identifier	815600F1E30AAB016171																
S.3	Name of the crypto-asset	Bittensor / TAO																
S.4	Consensus Mechanism	Proof of Stake (Subtensor / Yuma Consensus)																
S.5	Incentive Mechanisms and Applicable Fees	<table border="1"> <tbody> <tr> <td>Token</td> <td>No</td> </tr> <tr> <td>Block Producer Rewards</td> <td>Yes</td> </tr> <tr> <td>Staking Rewards</td> <td>Yes</td> </tr> <tr> <td>Delegation Rewards</td> <td>Yes</td> </tr> <tr> <td>Tx Fees</td> <td>Yes</td> </tr> <tr> <td>Gas Fees</td> <td>Yes</td> </tr> <tr> <td>Tx Burn</td> <td>No</td> </tr> <tr> <td>Gov Rights</td> <td>Yes</td> </tr> </tbody> </table>	Token	No	Block Producer Rewards	Yes	Staking Rewards	Yes	Delegation Rewards	Yes	Tx Fees	Yes	Gas Fees	Yes	Tx Burn	No	Gov Rights	Yes
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S.6	Beginning of the period to which the disclosure relates	2026-01-01																
S.7	End of the period to which the disclosure relates	2026-06-22																
Mandatory key indicator on energy consumption																		
S.8	Energy consumption	23,025,604.42210 kWh per calendar year																

N	Field	Content
General Information		
Sources and methodologies		
S.9	Energy consumption sources and methodologies	<p>Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node power draw are used.</p> <p>Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting</p>

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

N	Field	Content
Supplementary key indicators on energy and GHG emissions		
S.10	Renewable energy consumption	38.6782337752%
S.11	Energy intensity	3.53866 kWh per transaction
S.12	Scope 1 DLT GHG emissions – controlled	0 t CO ₂ eq per calendar year
S.13	Scope 2 DLT GHG emissions – purchased	7,049.68787 t CO ₂ eq per calendar year
S.14	GHG intensity	1.08342 kg CO ₂ eq per transaction
Sources and methodologies		
S.15	Key energy source and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
S.16	Key GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting

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

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Optional Indicators																										
S.17	Energy mix	<table border="1"> <thead> <tr> <th data-bbox="608 595 951 663">Energy source</th> <th data-bbox="951 595 1430 663">Percentage {DECIMAL-11/10}</th> </tr> </thead> <tbody> <tr> <td data-bbox="608 663 951 730">Bioenergy</td> <td data-bbox="951 663 1430 730">3.5464332103%</td> </tr> <tr> <td data-bbox="608 730 951 797">Coal</td> <td data-bbox="951 730 1430 797">15.6955436893%</td> </tr> <tr> <td data-bbox="608 797 951 864">Flared Methane</td> <td data-bbox="951 797 1430 864">0.0000000000%</td> </tr> <tr> <td data-bbox="608 864 951 931">Gas</td> <td data-bbox="951 864 1430 931">30.1446460131%</td> </tr> <tr> <td data-bbox="608 931 951 999">Hydro</td> <td data-bbox="951 931 1430 999">8.8976627369%</td> </tr> <tr> <td data-bbox="608 999 951 1066">Nuclear</td> <td data-bbox="951 999 1430 1066">12.8097470176%</td> </tr> <tr> <td data-bbox="608 1066 951 1133">Other Fossils</td> <td data-bbox="951 1066 1430 1133">2.6718295048%</td> </tr> <tr> <td data-bbox="608 1133 951 1200">Other Renewables</td> <td data-bbox="951 1133 1430 1200">0.4712296694%</td> </tr> <tr> <td data-bbox="608 1200 951 1267">Solar</td> <td data-bbox="951 1200 1430 1267">8.1596251427%</td> </tr> <tr> <td data-bbox="608 1267 951 1335">Vented Methane</td> <td data-bbox="951 1267 1430 1335">0.0000000000%</td> </tr> <tr> <td data-bbox="608 1335 951 1402">Wind</td> <td data-bbox="951 1335 1430 1402">17.6032830158%</td> </tr> </tbody> </table>	Energy source	Percentage {DECIMAL-11/10}	Bioenergy	3.5464332103%	Coal	15.6955436893%	Flared Methane	0.0000000000%	Gas	30.1446460131%	Hydro	8.8976627369%	Nuclear	12.8097470176%	Other Fossils	2.6718295048%	Other Renewables	0.4712296694%	Solar	8.1596251427%	Vented Methane	0.0000000000%	Wind	17.6032830158%
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S.19	Carbon intensity	0.30617 kg CO ₂ eq per kWh																								
S.22	Generation of waste electrical and electronic equipment (WEEE)	26.32803 t per calendar year																								
S.23	Non-recycled WEEE ratio	62.2457803281%																								
S.24	Generation of hazardous waste	0.01316 t per calendar year																								

S.25	Generation of waste (all types)	26.32803 t per calendar year
S.26	Non-recycled waste ratio (all types)	62.2457803281%
S.27	Waste intensity (all types)	4.04619 g per transaction
S.29	Impact of the use of equipment on natural resources	Land use: 597,161.53800 m ²
S.31	Water use	102,292.78504 m ³ per calendar year
S.32	Non-recycled water ratio	74.3858161552%
Sources and methodologies		
S.33	Other energy sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
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S.35	Waste sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node weight, hazardous components and depreciation rate are used. Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting

S.36	Natural resources sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Usage of natural resources is approximated through land use metrics. Land use, water use and water recycling are calculated based on energy mix-specific estimates of purchased electricity land intensity, purchased electricity water intensity, and water recycling rates. Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
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