

MCP SERVER

NO CODE

CLOUD HOSTED

Eurostat Discovery MCP for AI Agents

Querying Official European Union Statistics Data

Eurostat Discovery — Dataset Catalog Explorer lets your AI agent find and query official European Union statistics. Search across 7,000+ datasets by keyword, inspect complex metadata like dimensions and code lists, and run flexible queries using country or time filters—it's the master tool for EU economic data.

A+ Quality Score 98.33/100

eu-statistics

dataset-discovery

metadata-query

economic-data

open-data

statistical-analysis



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Eurostat Discovery — Dataset Catalog Explorer MCP

3 tools available

Cloud-hosted on Vinkius

This MCP gives your AI client access to all Eurostat statistics. You can use it to explore, understand, and query massive amounts of European Union data without needing to know which dataset code you need upfront. Need to start? First, you search the entire catalog by keyword to pinpoint the right dataset code among thousands of options. Once you have a potential code, you check the metadata to see exactly what filters are available—is it measured quarterly? What dimensions does it track? After that prep work, your agent queries any specific dataset using flexible country and time filters. Because this MCP connects through Vinkius, you get access to all these deep statistical resources from one place, letting your AI client handle the whole process of discovery and data retrieval.

Core Capabilities

01 — Search the Eurostat catalog

Find matching dataset codes and names across the entire 7,000+ Eurostat database by simply entering a keyword.

02 — Inspect dataset metadata

Retrieve all available dimensions, code lists, and possible filter values for any specific dataset you plan to query.

03 — Query structured EU data

Run a flexible query against any Eurostat dataset using dimension codes and optional country or time filters.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/eurostat-discovery-dataset-catalog-explorer — connect your AI agent in three steps.

- 01** Start by running the search function to find potential datasets. This returns matching dataset codes and names based on your keyword.
- 02** Next, use the metadata tool with a found dataset code. This step shows you all available dimensions, code lists, and filter values before querying.
- 03** Finally, run the main query using the correct dataset code along with any necessary dimension filters (like country or time) to get the specific data points.

The bottom line is that this MCP guides your AI agent through a three-step process: locate the data, understand its structure, and then extract the facts.

Built For

This MCP targets professional researchers, data scientists, or policy analysts who spend too much time clicking through official government websites. If your job requires understanding what EU statistics exist—or pulling specific metrics like GDP growth rates—your AI client needs this.

Economic Researcher

Uses the MCP to discover and compare historical economic data across different European countries, ensuring they use consistent sources.

Policy Analyst

Runs deep queries on specific datasets to track how various EU indicators change over time in response to policy changes.

Data Scientist

Retrieves detailed metadata and code lists from the catalog, which is essential for building accurate data ingestion pipelines into internal systems.

What Changes When You Connect

- 01** Find the right dataset codes instantly. Instead of browsing thousands of pages, you just run `search_datasets` to narrow down your focus.
- 02** Understand the data structure first. Use `get_datasetmetadata` to see exactly what dimensions and filter values are available for any topic before querying.
- 03** Pull precise historical metrics. You can execute focused queries with `get_dataset`, specifying exact countries, time ranges, or dimension filters in one go.
- 04** Cut out manual research cycles. Your AI client handles the entire workflow—from searching keywords to running the final query—automatically.
- 05** Standardize your data sources. This MCP ensures you are pulling statistics directly from the official Eurostat source.

Real-World Applications

Comparing housing costs across EU nations

A researcher needs to see how household cost burdens changed in Germany versus Spain since 2015. They ask their agent, and the MCP finds the correct dataset using `'search_datasets'`, checks metadata, and runs a query comparing both countries over time.

Finding all available educational data

A student needs to know if Eurostat tracks dropout rates in their region. They use the MCP's search function with 'education' and immediately get a list of relevant dataset codes, saving hours of manual browsing.

Tracking GDP changes by sector

A policy analyst wants to know which economic sectors contributed most to EU growth in the last decade. The agent uses the MCP to find 'GDP' datasets, checks dimensions, and queries specific component parts like energy or services.

Analyzing labor market trends

A team needs to compare unemployment rates for two specific demographics in three different countries. The agent confirms the necessary dimensions using `'get_datasetmetadata'`, then executes a targeted query with all required filters.

Patterns to Avoid

Querying without knowing filter limits

X AVOID

Trying to pull data for 'all years' or 'all countries' using a general API call. This often results in an incomplete or unusable dataset.

✓ INSTEAD

Before querying, always run `get_datasetmetadata` with the target code. This tells you the precise date ranges (time) and valid geographic identifiers (geo) to use.

Searching a generic database

X AVOID

Using an outdated or non-standard data source that pulls statistics from multiple, inconsistent providers.

✓ INSTEAD

Use the `search_datasets` function within this MCP. This keeps your focus on Eurostat's official catalog and ensures you are comparing apples to apples.

Guessing the dataset code

X AVOID

Manually trying different codes based on an article headline, only to find out the code is incorrect or deprecated.

✓ INSTEAD

Start with `search_datasets`. This function finds the official, correct dataset code and name for your topic before you proceed.

The Right Fit

Use this MCP if your job requires deep statistical research on European Union indicators. You need a structured way to move from a general concept (e.g., 'employment') to actionable data points by following the clear discovery path: Search -> Metadata Check -> Query. Don't use it if you just need simple, non-statistical comparisons; other tools might be better. Also, this MCP is strictly for official EU statistics and won't handle proprietary corporate or local government data.

Eurostat Discovery: Finding Official European Union Statistics with the Dataset Catalog Explorer

Today, pulling comprehensive European data is a nightmare. You spend hours jumping between Eurostat's various sub-sites, manually cross-referencing datasets to see if they track what you need—is it annual? Is it quarterly? Do I even have the right code for 'labour participation'? It's nothing but endless clicking and copy-pasting of codes.

With this MCP, your AI agent manages the whole process. You just tell it your topic, and it handles the discovery: first finding the dataset using `search_datasets`, then checking its structure with metadata, and finally delivering the clean data you need from a single prompt.

Eurostat Discovery: Querying Deep Metadata for EU Economic Data

The biggest pain point is understanding the filters. You might find a dataset, but without knowing if it requires a specific dimension code (like 'geo' vs. 'country'), or what time units are valid, you hit a wall. The data feels locked away.

This MCP eliminates that guesswork. By inspecting metadata first, your agent shows you every available filter option and dimension code upfront, ensuring the final query using `get_dataset` is perfect on the first try.

3 Tools for Dataset Querying and EU Statistical Analysis

These tools allow your AI agent to systematically find, inspect, and extract specific economic data points from the entire Eurostat dataset catalog.

#	TOOL	DESCRIPTION
01	<code>search_datasets</code>	Find matching dataset codes and names by searching the Eurostat catalog with a keyword.
02	<code>get_dataset_metadata</code>	View all filter values, dimensions, and code lists for any given Eurostat dataset.
03	<code>get_dataset</code>	Retrieve specific data points from an official Eurostat dataset using its code and filters.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U What was the Eurozone unemployment rate for Germany and Italy in 2019?



Unemployment Rate by Country (Millions)

YEAR	GERMANY	ITALY
2019	5.1	8.4

Source: Eurostat, Quarterly Data

The data shows that while unemployment was high in Italy during this period, the rate for Germany remained significantly lower, suggesting a more robust labor market structure throughout 2019.

U Find datasets related to energy consumption and their dimensions.



Search Results: Energy Consumption

Found 8 matching datasets. The most relevant seems to be 'ENCC_ENERGY'.

Metadata for ENCC_ENERGY

Dimensions available:

- Country (geo): All EU27 + EEA.
- Time (time): 1990-Q1 to present.
- Fuel Source (unit): Coal, Oil, Gas, Renewables.
- Sector (na_item): Industry, Residential, Transport.

You can use these dimension codes as filters for your query.

U Get the house price index data for France since 2021.



House Price Index (Index Base: 2015=100)

QUARTER	VALUE
2021-Q1	135.2
2022-Q4	148.9
2024-Q2	140.1

The data indicates a strong price increase through 2022, followed by a slight leveling off in the most recent quarter.

Frequently Asked Questions

01 How do I use Eurostat Discovery to find official EU economic statistics?

You tell your agent what topic you need. The MCP searches the catalog, helps you identify the correct dataset code, and runs a query for you using filters like country or year.

02 Does Eurostat Discovery help me understand complex data structures?

Yes. You can use metadata checks to see all available dimensions and filter values before pulling the data, so you know exactly what codes you need for a successful query.

03 What if I don't know the specific code for a dataset?

No problem. You simply ask your agent to search by keyword first. It will return matching dataset names and codes from the entire Eurostat catalog, giving you the starting point.

04 Can I compare data across multiple EU countries with this MCP?

Yes. The system allows you to run queries that accept multiple country filters simultaneously, letting you draw direct comparisons between nations like Germany and France.

05 Is Eurostat Discovery better than manually browsing the official website?







It's faster because your AI client handles all the multi-step discovery process—search, metadata check, query—from a single conversation, saving you hours of manual clicking.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"eurostat-discovery-dataset-catalog-explorer": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  **Ask ChatGPT** 
-  **Ask Claude** 
-  **Ask Perplexity** 
-  **Ask Gemini** 
-  **Ask Grok** 

READY TO CONNECT

Eurostat Discovery — Dataset Catalog Explorer is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

[Start at cloud.vinkius.com](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Eurostat Discovery — Dataset Catalog Explorer. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	Eurostat Discovery — Dataset Catalog Explorer MCP
Server ID	019d7591-eda9-701a-8bce-c311001a4fd8
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/mcp/eurostat-discovery-dataset-catalog-explorer.