MCP SERVER | NO CODE | CLOUD HOSTED

Eurostat Economy MCP

Track EU Fiscal Health and Inflation Trends

Eurostat Economy — EU Financial Intelligence provides direct access to official European Union economic statistics, letting your AI client analyze key metrics like quarterly GDP for all 27 member states, government debt levels (monitoring the Maastricht criteria), HICP inflation rates, interest yields, and major exchange rates. It gives you one source of truth for continental finance.

A+ Quality Score 100/100

gdp-data | inflation-hicp | public-debt | economic-indicators | european-union | fiscal-policy

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vinkius.com/mcp/eurostat-economy-eu-financial-intelligence

SCAN TO VIEW

The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

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

FinOps

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

Tool Health

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

Firewall & DLP

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

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 Economy — EU Financial Intelligence MCP

6 tools available
Cloud-hosted on Vinkius

Analyzing the European economy used to mean juggling dozens of separate statistical reports and APIs. Now, your agent connects directly to the EU's official data stream. You can ask it to compare GDP growth across multiple countries, track public debt against the 60% ceiling, or spot regional inflation spikes using the HICP measure. Need to know how a shift in US dollars affects EUR exchange rates? It handles that too. This MCP gives your agent access not just to current data, but to over 7,000 datasets by code, meaning you don't have to guess which dataset holds the answer. By connecting via Vinkius, your AI client gets instant access to this deep financial intelligence alongside thousands of other specialized tools. You simply ask questions about European fiscal health or macro trends, and it retrieves the precise numbers needed for accurate reporting.

Core Capabilities

01 — Calculate GDP components

Retrieve quarterly or annual Gross Domestic Product data, breaking down contributions from consumption, investment, government spending, and trade.

02 — Monitor sovereign debt compliance

Get current public debt ratios and deficits for EU countries to check adherence against the Maastricht criteria thresholds.

03 — Track official inflation rates

Access the Harmonised Index of Consumer Prices (HICP), the standard measure used by central banks, broken down by category and period.

04 — Analyze interest rate trends

Pull both short-term and long-term government bond yield data across the EU for policy analysis.

05 — Compare global exchange rates

Fetch current bilateral currency exchange rates, tracking EUR against major world currencies like USD, GBP, and JPY.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/eurostat-economy-eu-financial-intelligence** — connect your AI agent in three steps.

01 You tell your agent what economic comparison you need (e.g., 'Compare the debt ratios of Italy and France').

02 The MCP identifies the correct dataset code and executes the necessary query to pull structured data for all specified countries.

03 Your AI client receives a clean, consolidated report detailing the requested figures—like GDP growth or inflation rates—ready for analysis.

The bottom line is you get precise EU financial data delivered directly into your workflow without writing any API calls.

Built For

Macro strategists, sovereign debt analysts, and policy researchers use this MCP when they need definitive economic numbers across multiple European markets. They spend their time comparing fiscal health trends or modeling the impact of inflation on national economies.

Sovereign Debt Analyst

Uses the data to calculate public debt ratios and deficits, determining which countries are trending toward or over the Maastricht limits.

Economist / Macro Strategist

Runs comparative analyses on GDP growth components (consumption vs. investment) across different EU member states for quarterly forecasting.

Financial Policy Researcher

Tracks HICP inflation and short-term interest rate changes to understand the current policy environment set by central banks.

What Changes When You Connect

01 Analyze fiscal health instantly. Use get_government_debt to track public debt ratios and deficits, letting you compare country compliance against the 60% ceiling.

02 Model economic cycles with precision. The get_gdp tool lets you pull quarterly or annual GDP data, breaking down growth into specific components like consumption or investment.

03 Understand inflationary pressures using get_inflation. This function provides the official HICP measure, crucial for comparing inflation across different EU regions and sectors.

04 Map interest rate risk easily. The get_interest_rates tool gives you short-term and long-term bond yields, helping assess potential policy shifts in the Eurozone.

05 Benchmark global finances with get_exchange_rates. You can immediately pull EUR rates against major currencies (USD, GBP) for cross-border financial modeling.

Real-World Applications

Assessing European recession risk

An analyst asks their agent to compare GDP growth across Germany, France, and Italy. The agent uses get_gdp to compile the latest quarterly data, allowing the analyst to spot which economies are slowing down fastest.

Preparing a sovereign debt briefing

A researcher needs to know if any EU member states are approaching fiscal limits. They use get_government_debt, instantly compiling deficit and total debt figures for the entire bloc into one report.

Building currency hedging models

A trade finance manager must model cross-border transactions. They call get_exchange_rates to pull the daily EUR/USD rate, ensuring their financial projection uses real-time data.

Researching inflation impacts on consumer goods

A commodities expert needs sector-specific inflation rates. By using get_inflation and filtering by COICOP category, they can isolate how food or energy costs are driving overall price increases.

Patterns to Avoid

Using basic search queries

✗ AVOID

Typing 'EU debt stats' into a general AI chat often yields outdated summaries or requires multiple follow-up prompts to gather all the necessary numbers.

✓ INSTEAD

Instead, use get_government_debt. This tool pulls the official dataset directly, giving you the current public debt percentage and deficit figures in one structured query.

Manually tracking multiple rates

✗ AVOID

If you need to track both short-term yields *and* exchange rates, doing this across separate dashboards or spreadsheets is slow and error-prone.

✓ INSTEAD

Run two targeted queries: one with get_interest_rates for the bond yields, and a second with get_exchange_rates for currency pairs. Your agent combines them automatically.

Guessing dataset codes

✗ AVOID

When you just need a specific piece of data (like a historical commodity price), trying to find the right API endpoint is a massive time sink.

✓ INSTEAD

Use get_economic_dataset. If you know the code, this tool lets you query any one of the 7,000+ datasets by referencing its official identifier.

The Right Fit

Use this MCP if your primary need is quantitative financial comparison across multiple EU states or benchmarking against established economic criteria. If you're analyzing GDP growth components, check debt ratios, or tracking HICP inflation year-over-year, this is the right tool suite.

Don't use it if you are doing purely qualitative policy analysis (e.g., 'How will the EU feel about rising debt?')—the MCP only provides numbers. If your goal is general market sentiment or historical commentary not tied to a specific dataset, you should use a generic knowledge base tool instead.

Always remember that this data is official Eurostat output. When comparing multiple metrics (like running get_gdp alongside get_government_debt), ensure all queries specify the same time

period and unit of measure for accurate apples-to-apples comparisons.

Tracking the EU Economy Feels Like a Full-Time Job

Today, getting a clear picture of European fiscal health means logging into dedicated sites. You download quarterly GDP reports, then copy the figures into a spreadsheet. Next, you have to switch tabs to pull deficit numbers for debt analysis, and if you want inflation, you open yet another portal just to find the HICP rate. It's hours of manual clicking and cross-referencing.

With this MCP, your agent does all that legwork in seconds. You simply ask it to compare GDP growth across multiple countries while simultaneously checking their public debt status. The result is a clean, consolidated data table you can use instantly.

Get the Definitive Numbers with get_government_debt

Previously, determining if an EU country was struggling required manually pulling debt-to-GDP ratios from different years and checking them against the 60% ceiling. This process is slow and often requires multiple manual calculations.

Now, you tell your agent to check a list of countries for their current public debt figures. It runs get_government_debt, providing an immediate status report that shows exactly which members are meeting or exceeding critical fiscal limits.

Eurostat Economy — 6 Tools for Analysis

These tools let your AI client retrieve precise financial metrics, ranging from national GDP figures to specific exchange rate changes.

#	TOOL	DESCRIPTION
01	`get_gdp`	Retrieves EU GDP data, allowing filtering for annual or quarterly figures and specific economic components like consumption or investment.
02	`get_government_debt`	Pulls official government debt percentages and deficit figures, which are vital for assessing stability against the Maastricht criteria.
03	`get_inflation`	Gets the Harmonised Index of Consumer Prices (HICP) data—the standard inflation measure used by central banks—by country and category.
04	`get_interest_rates`	Fetches both short-term and long-term government bond yield rates across the EU, useful for policy analysis.
05	`get_exchange_rates`	Retrieves monthly or daily bilateral exchange rates for the Euro against major global currencies like USD, GBP, and JPY.
06	`get_economic_dataset`	Allows querying any of the 7,000+ underlying Eurostat datasets using specific codes if you know exactly what data point you need.

See It in Action

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

U Compare GDP growth across Germany, France, Italy, and Spain

EU GDP Growth — Top 4 Economies

COUNTRY	2023	2024-Q3
DE Germany	-0.3%	+0.2%
FR France	+0.7%	+1.1%
IT Italy	+0.9%	+0.7%
ES Spain	+2.5%	+3.1%

Spain leads the Big 4 recovery. Germany narrowly avoided recession.

U What is the current inflation rate in the eurozone?

📈 Euro Area HICP Inflation

Annual rate: 2.4%
ECB target: 2.0%
Core (ex food/energy): 2.7%

Highest: Estonia (4.1%), Croatia (3.8%)
Lowest: Finland (0.8%), Lithuania (1.1%)

Inflation converging toward ECB target but services inflation remains sticky.

U Which EU countries exceed the Maastricht debt criteria?

Maastricht Debt Criteria (60% of GDP)

Exceeding limit:
GR Greece: 161%
IT Italy: 137%
FR France: 111%
ES Spain: 107%
BE Belgium: 106%
PT Portugal: 99%

13 of 27 members exceed the 60% ceiling.

Frequently Asked Questions

01 **How do I compare GDP across different EU member states using Eurostat Economy?**

You use the get_gdp tool. Simply specify the countries and whether you want annual or quarterly data, and it compiles a comparative table for you.

02 **What is the difference between HICP and general inflation rates in Eurostat Economy?**

HICP (Harmonised Index of Consumer Prices) is the official measure used by central banks. The get_inflation tool provides this specific, standardized metric for accurate comparison.

03 **Can I check if a country violates Maastricht criteria with Eurostat Economy?**

Yes, use get_government_debt. This function pulls the public debt and deficit figures, letting you easily assess compliance against both the 60% debt ceiling and the 3% deficit limit.

04 **Does this MCP cover non-Eurozone countries?**

The primary focus is on EU member states. However, get_exchange_rates allows you to pull bilateral rates for major global currencies (USD, GBP) against the Euro.

05 **What if I need a dataset not listed in the tools?**

If you know the specific code, use get_economic_dataset. This tool lets your agent access almost any of the 7,000+ datasets available through Eurostat by simply providing the identifier.

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 `"eurostat-economy-eu-financial-intelligence": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → 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 Economy — EU Financial Intelligence 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 →

vinkius.com · support@vinkius.com

INDEPENDENT PLATFORM DISCLAIMER

DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

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