

AI

**BULGARIA**

[www.aicluster.bg](http://www.aicluster.bg)

Spreading the development  
and adoption of AI

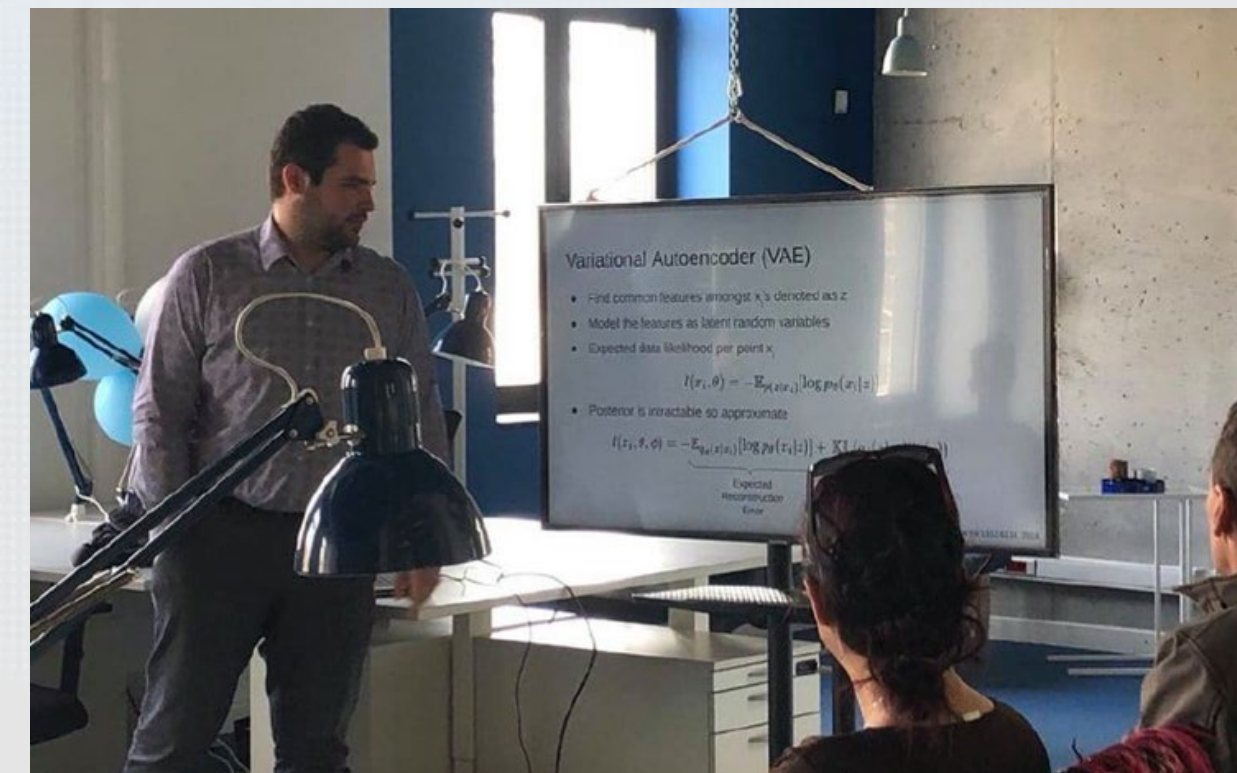


# Key initiatives

- Annual AI Report for Bulgaria
- Spinoff Bulgaria
- AI Club
- AI Hackathons and Open Innovation Events (AI & I Factory, AI Girls, Brainchips Bootcamp, 360 -degree lab for AI)
- C3BG Project
- Managerial Decision -Making in Adopting AI Across Industries (The Price of AI)

AI Cluster BG is a founding member of the **European AI Forum (EAIF)** – the umbrella organisation of national AI associations and clusters across Europe. With over 3500 members, EAIF is the largest European AI network, representing SMEs, corporates, organisations, and independent experts in AI.

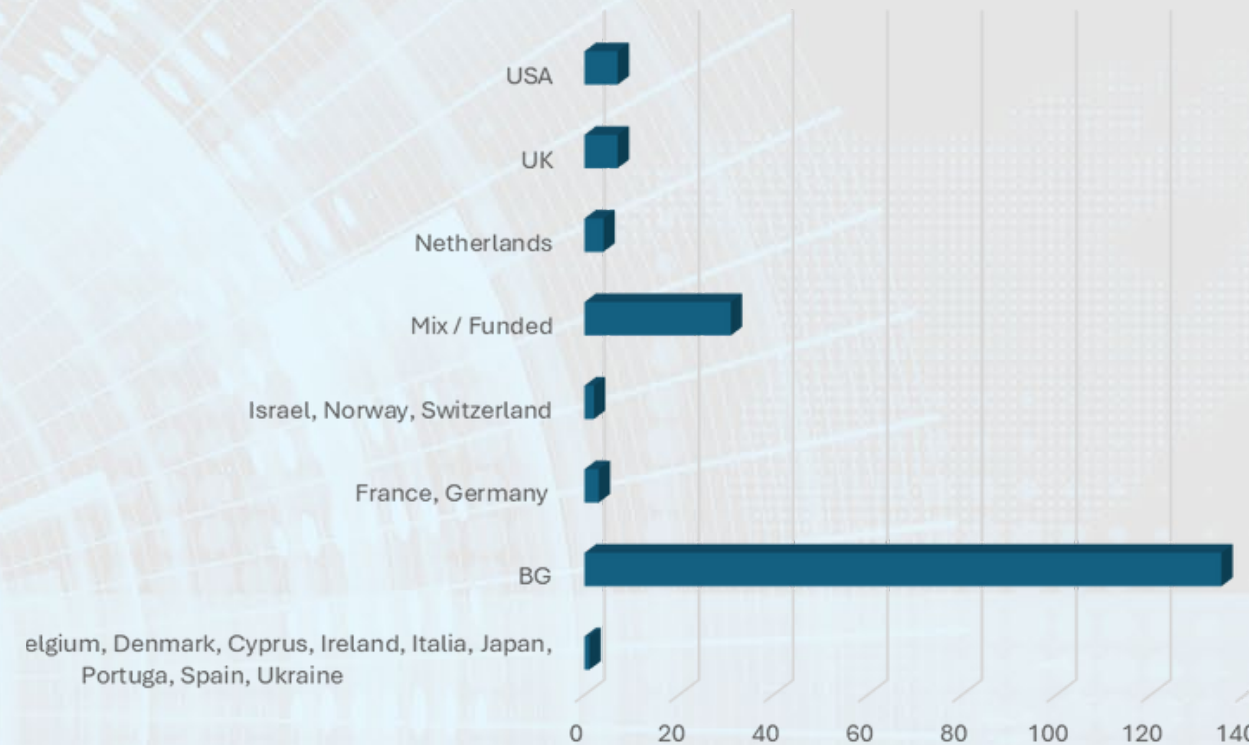
Headquartered in Brussels, EAIF currently has members from Bulgaria, the Czech Republic, Croatia, France, Germany, Lithuania, the Netherlands, Poland, Slovenia, and its associated member, Austria.



# Annual AI Report for Bulgaria

- The study includes 207 organisations
- The demand for AI -related professional skills is increasing across every industrial sector
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- Bulgarian AI developers enjoyed significant revenue growth in the period 2022 -2023. Their combined total revenue reached a record -high of 245 M EUR in 2021, a jump of more than 407 M EUR
- Bulgarian entrepreneurs have a strong presence on the local AI scene, as 71% of the companies in the area are solely owned by Bulgarian individuals or companies

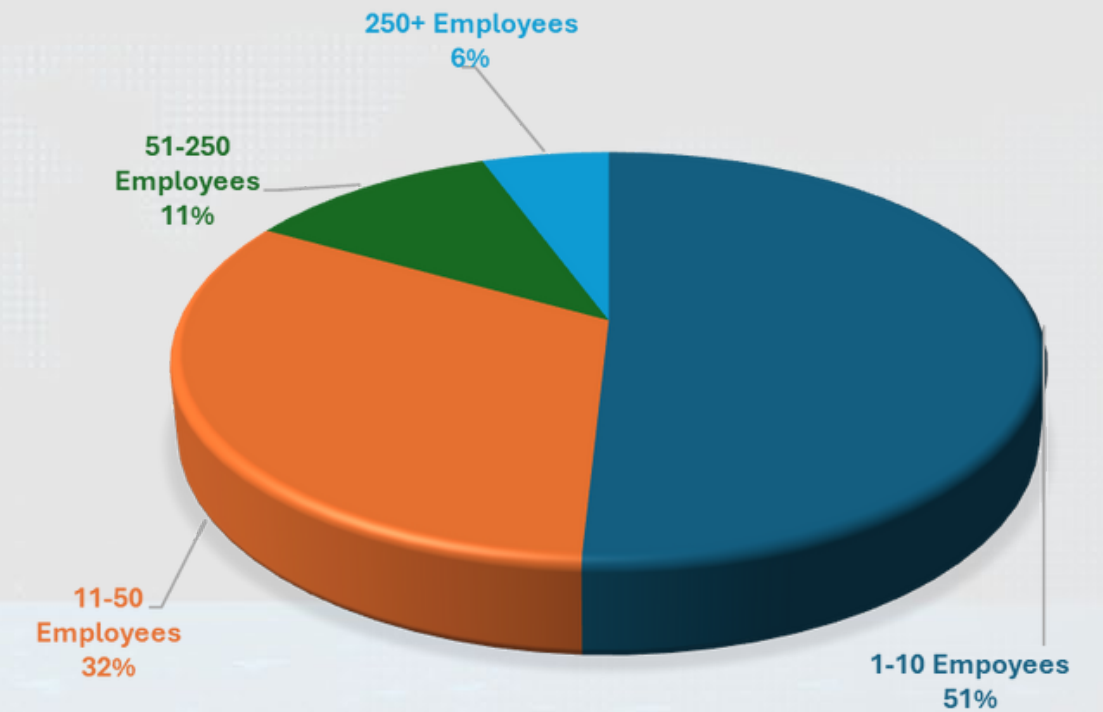
Stakeholders Map



AI Market Size



COMPANY SIZE BY Nº OF EMPLOYEES



Year	Nº Companies	Revenue
2020	88	€ 240,437,000
2021	99	€ 244,953,221
2022	106	€ 407,080,500

# Spinoff Initiative

Our goal for 2030 is to create 100 native spinoffs in Bulgaria and become a powerhouse for science-based innovation in Europe. More information at:

[www.spinoff.bg](http://www.spinoff.bg)

The next edition will be held on 19 - 20 June 2025!

- Inspirational talks, discussions, panel sessions
- B2B Matchmaking & Horizon Europe Partnerships
- Workshops: 360-degree Labs for: Personalised Medicine, AI adoption, Cybersecurity
- Triple AI Zone and CyberTech Zone
- Brain Games for Deep Tech – Quiz & Challenges
- Spinoff Showcases
- Spinoff of the Year Award Ceremony
- Round Table Discussions



## Some Champions!

Mikar21 / Simenso / Neuromorphica / Kelvin Health /  
Epix AI / GridMetrics / Enova H2O / Efemerai / Barin  
Sports / Hive Reader

# Regulations



# ETHIC

# FRAMEWORKS

European Commission's Ethics Guidelines for Trustworthy AI (2019)

Montreal Declaration for Responsible AI (2017)

UNESCO's Recommendation on the Ethics of AI (2021)

The AI Ethics Guidelines by the Australian Government (2020)

OECD Principles on AI (2019)

Asilomar AI Principles (2017)

World Economic Forum AI Principles (2018)

The European Parliament's Resolution on AI (2020)

Beijing AI Principles (2019)

Future of Life Institute's AI Principles (2017)

OpenAI Charter (2018)

The AI Ethics Guidelines by the German Government (2020)

IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems (2019)

UK House of Lords AI Report (2018)

UAI4People's Ethical Framework (2018)

The AI Ethics Guidelines by the French Government (2020)

AI Now Report (2018)

AI Ethics Guidelines by the Canadian Government (2019)

The Montreal AI Ethics Institute's Guidelines (2019)

Hagendorff, T. (2020). The Ethics of AI Ethics: An Evaluation of Guidelines. *Minds and Machines*, 30(1), 99–120. <https://doi.org/10.1007/s11023-020-09517-8>  
Whittlestone, J., et. al. (2019). Ethical and societal implications of algorithms, data, and artificial intelligence: A roadmap for research. Nuffield Foundation. <https://www.nuffieldfoundation.org/wp-content/uploads/2019/02/Ethical-and-Societal-Implications-of-Data-and-AI-report-Nuffield-Foundation.pdf>  
Weinberg, L. (2022). Rethinking Fairness: An Interdisciplinary Survey of Critiques of Hegemonic ML Fairness Approaches. <https://doi.org/10.48550/ARXIV.2205.04460>

Partnership on AI (2018)

Singapore's Model AI Governance Framework (2019)

The Data Ethics Framework by the UK Government (2018)

Conflicting Priorities in AI Ethics:

Accuracy vs. Fairness

Accuracy vs. Explainability

Privacy vs. Transparency

Service Quality vs. Privacy

Personalization vs. Solidarity

Convenience vs. Human Dignity

Efficiency vs. Safety and Sustainability

User Satisfaction vs. Equality

# Thank you!

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