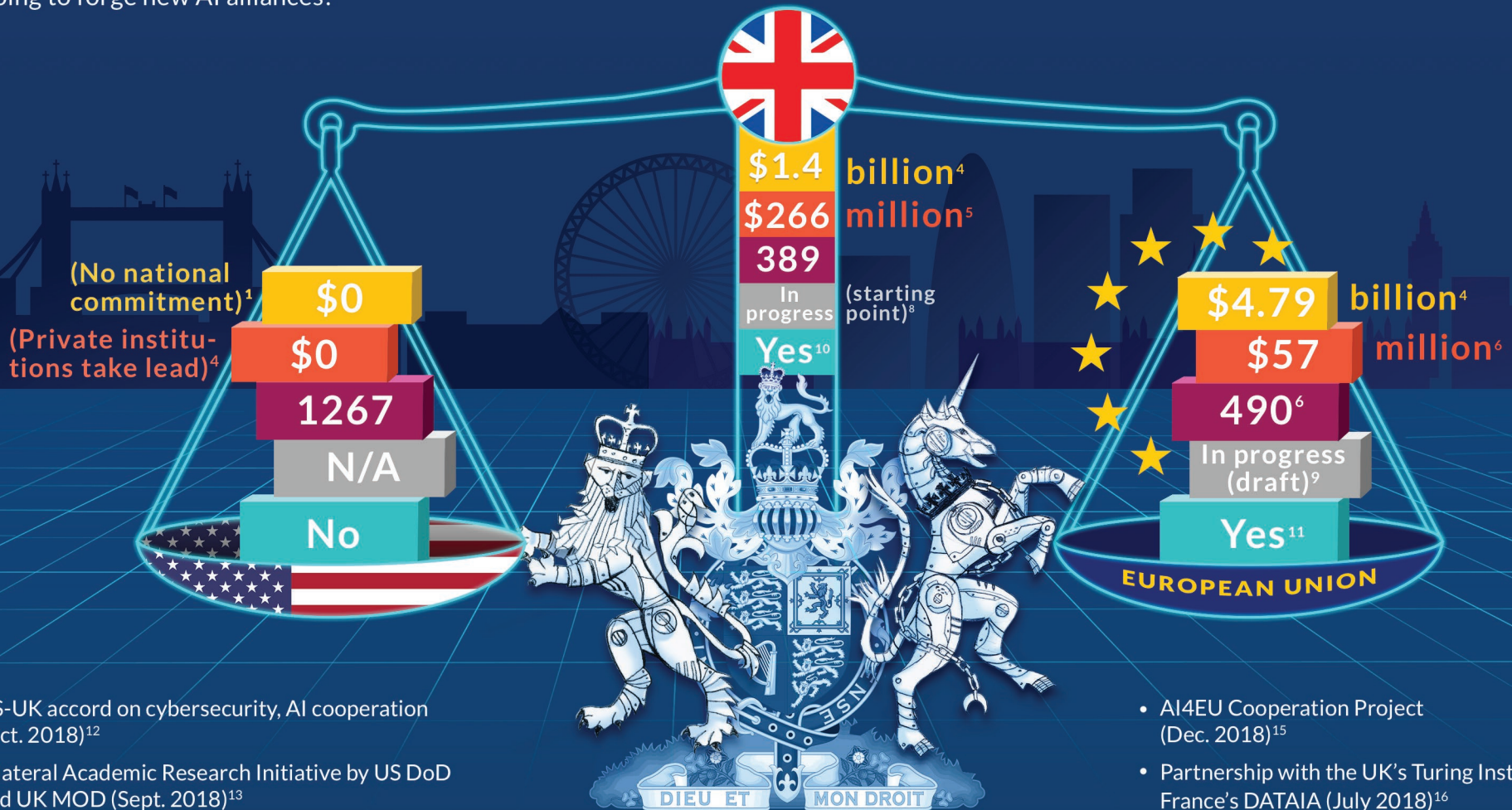# THE UK'S AI PLAY

The run-up to Brexit has revealed the UK's moves to beef up its artificial intelligence (AI) capabilities and forge a new era of cooperation with its "special partner," the US. So how do the UK's AI efforts stack up with those of the US and European Union? And what is the UK doing to forge new AI alliances?

Legend:
- STATE INVESTMENT IN AI (BY 2020)
- STATE INVESTMENT IN AI TALENT
- AI STARTUPS (2017)
- AI ETHICS GUIDELINES
- AI STRATEGY

UK:
- $1.4 billion[4]
- $266 million[5]
- 389
- In progress (starting point)[8]
- Yes[10]

US:
- $0 (No national commitment)[1]
- $0 (Private institutions take lead)[4]
- 1267
- N/A
- No

EUROPEAN UNION:
- $4.79 billion[4]
- $57 million[6]
- 490[6]
- In progress (draft)[9]
- Yes[11]

UK COLLABORATION EFFORTS

DIEU ET MON DROIT

- US-UK accord on cybersecurity, AI cooperation (Oct. 2018)[12]
- Bilateral Academic Research Initiative by US DoD and UK MOD (Sept. 2018)[13]
- First joint US-UK defense innovation board meeting(May2018)[14]

- AI4EU Cooperation Project (Dec. 2018)[15]
- Partnership with the UK's Turing Institute and France's DATAIA (July 2018)[16]
- EU Declaration on Cooperation on AI (April 2018)[17]

Image adapted from https://en.wikipedia.org/wiki/Royal_coat_of_arms_of_the_United_Kingdom 1: https://www.theverge.com/2019/2/11/18219981/american-ai-initiative-trump-administration-funding-research-data 2: https://www.reuters.com/article/us-britain-technology-ai/britain-pumps-cash-into-artificial-intelligence-before-brexit-idUSKBN1HW363 3: http://cdn.aiindex.org/2018/AI%20Index%202018%20Annual%20Report.pdf 4: https://www.nytimes.com/2018/10/15/technology/mit-college-artificial-intelligence.html 5: https://www.axios.com/uk-artificial-intelligence-education-6c716bc5-e483-40 af- a69f-c73385919691.html 6: https://ec.europa.eu/digital-single-market/en/news/coordinated-plan-artificial-intelligence 7: https://www.mmcventures.com/wp-content/uploads/2019/02/The-State-of-AI-2017-Inflection-Point.pdf 8: https://publications.parliament.uk/pa/ld201719/ldselect/ldai/100/100.pdf 9:https://ec.europa.eu/futurium/en/system/files/ged/ai_hleg_draft_ethics_ guidelines_18_-december.pdf 10: https://www.gov.uk/government/publications/artificial-intelligence-sector-deal/ai-sector-deal 11: https://ec.europa.eu/digital-single-market/en/news/communication-artificial-intelligence-europe 12: https://www.darkreading.com/operations/uk-us-to-sign-accord-on-ai-cybersecurity-cooperation/d/d-id/1333095 13: https://dod.defense.gov/News/News-Releases/News-Release-View/Article/1644263/dod-announces-bari-award-for-us-uk-collaboration-on-human-machine-teaming/ 14: https://www.adsgroup.org.uk/news/member-news/defence-secretary-hosts-first-us-uk-defence-innovation-board-meet-at-ai-lab- launch/ 15: https://ec.europa.eu/digital-single-market/en/news/artificial-intelligence-ai4eu-project-launches-1-january-2019 16:https://www.zdnet.com/article/uk-france-sign-major-deal-for-ai-cyber-security-cooperation/17: https://ec.europa.eu/digital-single-market/en/news/eu-member-states-sign-cooperate-artificial-intelligence

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