

# EU's 2024-2026 Breakthroughs: Quantum Computing, AI Ethics, and Space Ex

Science & Technology · Answer Key · 10 Questions

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**1. What was a notable milestone among the 114 new medicines recommended for human use by the European Medicines Agency (EMA) in 2024?**

- A) The first universal flu vaccine approved.
- B) The first drug proven to slow Alzheimer's disease progression.**
- C) A novel treatment for multi-drug resistant tuberculosis.
- D) The first vaccine to prevent all common cold viruses.

**2. In July 2025, the European Commission unveiled a strategy aiming to make Europe a 'quantum industrial powerhouse' by which year?**

- A) 2035
- B) 2040
- C) 2030**
- D) 2028

**3. According to the European Electricity Review, what percentage of EU power was generated by wind and solar combined in 2025, surpassing fossil fuels?**

- A) 25%
- B) 30%**
- C) 35%
- D) 40%

**4. Which European Space Agency (ESA) mission imaged the Sun's South Pole for the first time ever in 2025?**

- A) BepiColombo
- B) Solar Orbiter**
- C) JUICE
- D) Euclid

**5. Regulation (EU) 2024/1689, commonly known as the AI Act, categorizes AI systems used in which specific setting as 'high risk' requiring increased scrutiny?**

- A) Personal entertainment applications
- B) Financial trading algorithms
- C) Clinical research settings**
- D) Agricultural yield prediction systems

**6. The EU's 7th National Report on Biodiversity (published February 2026) indicates progress towards how many targets under the Kunming-Montreal Global Biodiversity Framework (KMGBF), with two already achieved?**

- A) 23
- B) 30
- C) 45**
- D) 50

**7. Which EU-funded initiative, concluded by August 2025, granted researchers unprecedented access to cloud-based trapped-ion quantum computers to advance biochemical research and materials science?**

- A) EuroQubit Project
- B) Quantum Inspire Platform
- C) QCDC Project**
- D) Horizon Quantum Initiative

**8. In 2025, the European Medicines Agency (EMA) recommended 38 new active substances for approval. Which therapeutic area saw the most approvals for endocrine disorders, including three new treatments?**

- A) Oncology
- B) Immunology
- C) Endocrinology**
- D) Cardiovascular diseases

**9. What is the proposed budget for the Horizon Europe Framework Programme (2028-2034), put forward by the European Commission on July 16, 2025?**

- A) EUR93.5 billion
- B) EUR120 billion
- C) EUR175 billion**
- D) EUR250 billion

**10. The European Commission launched the 'Resource for AI Science in Europe' (RAISE) virtual institute in November 2025. What is the initial funding allocated for the RAISE pilot under Horizon Europe?**

- A) EUR58 million
- B) EUR107 million**
- C) EUR600 million
- D) EUR3 billion