

EU Breakthroughs: AI Funding Wars, Space Mission Delays, and Climate Adap

EU Science · Practice Test · 10 Questions

1. What is the primary scientific objective of the European-Chinese SMILE mission, scheduled for launch on May 19, 2026?

- A) To study the composition of exoplanets.
- B) To investigate the interaction between the Sun and Earth's magnetic field using X-ray and ultraviolet cameras.
- C) To map dark matter distribution in the Milky Way.
- D) To search for water on Mars.

2. The European Medicines Agency (EMA) has launched a pilot program offering expert panel advice for breakthrough medical devices. Which types of devices are eligible for the first phase (Phase Ia) of this program?

- A) Class I and Class IIa medical devices only.
- B) In vitro diagnostic devices (IVDs) and Class I medical devices.
- C) Class III medical devices and Class IIb active medical devices intended to administer or remove medicinal products.
- D) All classes of medical devices and IVDs.

3. The 'Next Frontier AI Challenge' launched by SPRIND offers substantial non-dilutive funding. What is the maximum total funding available through this initiative across all its stages?

- A) EUR12.5 million
- B) EUR50 million
- C) EUR125 million
- D) EUR1 billion

4. Two artificial intelligence startups founded by UCL researchers have recently raised significant seed and early-stage financing. Ineffable Intelligence, focused on reinforcement learning, raised \$1.1 billion and is valued at \$5.1 billion. What is the stated mission of Ineffable Intelligence?

- A) To develop AI for personalized healthcare diagnostics.
- B) To build AI systems that can autonomously manage city infrastructure.
- C) To create AI capable of discovering all knowledge from its own experience and making 'first contact with superintelligence'.
- D) To design AI algorithms for optimizing renewable energy grids.

5. The EU Mission on Adaptation to Climate Change aims to support European regions and communities. By what year does it aim to support at least 150 regions and communities towards climate resilience?

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

6. According to the 'European State of the Climate 2025' report, what percentage of Europe experienced above-average annual temperatures in 2025?

- A) Approximately 75%
- B) Approximately 85%
- C) Approximately 95%
- D) Over 99%

7. The European Union has proposed new rules requiring Google to share key search data. What is a primary stated goal of these proposed rules?

- A) To enhance Google's advertising revenue.
- B) To allow rival search engines and AI services to challenge Google's dominance in online search.
- C) To improve the accuracy of Google's search algorithms.
- D) To provide more personalized search results for users.

8. The European Space Agency's (ESA) Hera mission is set to revisit the Didymos-Dimorphos system. What is the primary scientific objective of this revisit?

- A) To collect samples for return to Earth.
- B) To study the composition of the asteroids' interiors.
- C) To examine the impact site created by NASA's DART mission and inform future asteroid deflection strategies.
- D) To deploy a new probe to study the asteroid's magnetic field.

9. The EU's latest 'Health Package', under the Biotech Act, aims to accelerate the development and approval of novel therapies. What is a key provision for streamlining clinical trials?

- A) Mandating the use of only traditional, non-digital methods for data collection.
- B) Increasing the number of required phases for all clinical trials.
- C) Harmonizing protocols across member states via a centralized digital platform for real-time data sharing and adaptive trial designs.
- D) Extending approval timelines to ensure maximum safety.

10. The LIFE Programme is the EU's funding instrument for environment and climate action. What is the total budget allocated for the LIFE Programme's 2026 Calls for proposals?

- A) EUR100 million
- B) EUR300 million
- C) EUR601.5 million
- D) EUR1 billion