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- Our poster presents the enhancement of the earthquake monitoring and parameter estimation capabilities of Kandilli Observatory (KOERI), a 157-year-old institution, by leveraging artificial intelligence technologies to achieve fast, accurate, and comprehensive performance in line with modern standards.
- We developed a neural network models pipeline for phase picking, event association, and location-magnitude estimation, and tested them on two real earthquake sequences.
- The results show that our AI pipeline detects many more real events missed by traditional methods, although not without challenges, improving catalog reliability, marking a promising first step toward AI-enhanced earthquake monitoring.
- If you want to find out more, come over for a chat in front of our poster





