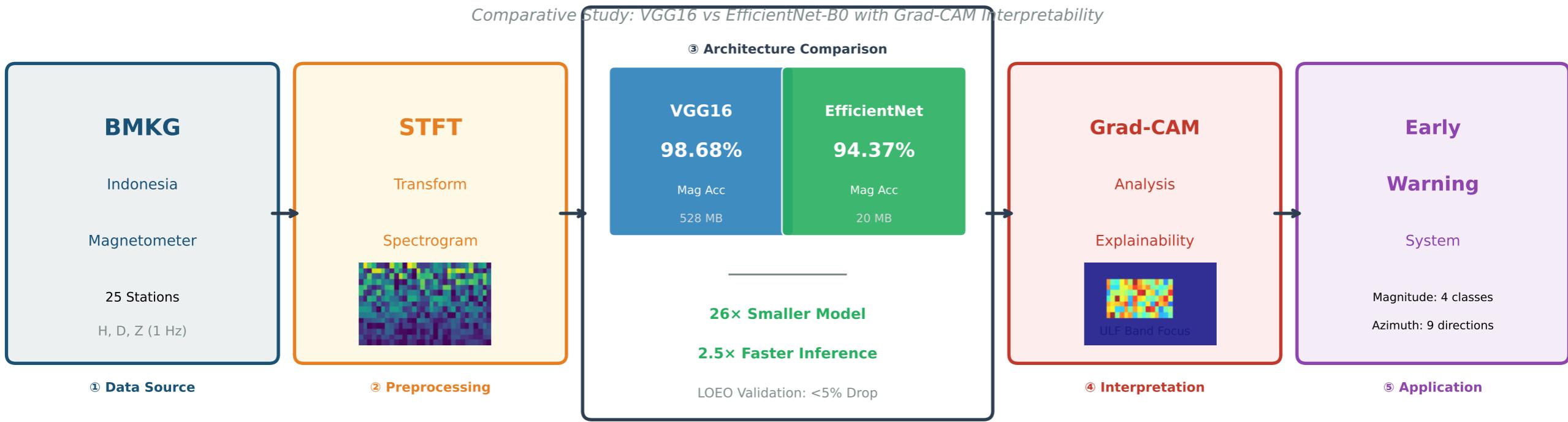


Deep Learning-Based Earthquake Precursor Detection from Geomagnetic Data



* First VGG16 vs EfficientNet comparison for geomagnetic precursor detection

Key Contributions

* Multi-task learning:
Magnitude + Azimuth
prediction simultaneously

* Physically interpretable:
Grad-CAM confirms ULF
band focus (0.001-0.01 Hz)