

**Table 1. List of abbreviations.** The abbreviations including in the text are reported alphabetically.

<b>Abbreviation</b>	<b>Full form</b>
AM	Attribute Map
ANSI	Ambient Noise Seismic Interferometry
ATV	Attribute Value
AUC-PR	Area Under Curve - Precision-Recall
AV	Activation Value
AW	Air Wave
CCF	Cross-Correlation Functions
CNN	Convolutional Neural Network
CL	Convolution Layer
CPU	Central Processing Unit
CV	Cross-Validation
DAS	Distributed Acoustic Sensing
DL	Dropout Layer
EGF	Empirical Green's Function
FCL	Fully Connected Layer
FN	False Negative
FP	False Positive
MEMS	Micro-Electromechanical System
ML	Machine Learning
MPL	MaxPooling Layer
PR	Precision-Recall
RAF	ReLU Activation Function
ReLU	Rectified Linear Unit
RGB	Red-Green-Black
RMS	Root-Mean-Square
ROC	Receiver Operator Characteristic
SAF	Softmax Activation Function
SGD	Stochastic Gradient Descent
SI	Seismic Interferometry
SNR	Signal-to-Noise Ratio
SVM	Support Vector Machine
SW	Surface Wave
TN	True Negative
TP	True Positive
t-SNE	t-Distributed Stochastic Neighbor Embedding
VGG	Visual Geometry Group
XGBoost	eXtreme Gradient Boosted Tree