

Task 4.6 – Online Dynamic Security Assessment : Tool for on-line dynamic security assessment developed in WP4 in task T4.6. It implements a machine learning approach based on an Artificial Neural Networks (ANNs) to perform on-line dynamic security assessment with respect to frequency stability in future power systems characterized by large shares of converter interfaced generation, namely Renewable Energy Sources (RES) such as wind and solar. It is suitable to be run either on-line or off-line (e.g., for day-ahead operational planning purposes).

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This program makes use and is distributed with the following libraries:

- * NumPy: <https://numpy.org/>
- * TensorFlow: <https://www.tensorflow.org/>
- * Keras: <https://keras.io/>

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