

PRIN 2017-Kick Off Meeting

October 2019-Unipa



- **D1.2** A Collection of known and new implementations of ML-based and compressed data structures
 - People: Amato, De Salve, Lo Bosco, RG
 - Benchmarking platform available
 - Many Experiments
 - Contours of this area not clear

- **D2.1** Development of compressed ML models.
 - NN Compression-People: Giosuè Lo Bosco, Domenico Amato, Unimi
 - Work in progress.
 - Spectral Kernels Compression-People: RG+ External
 - Spark platform for Alignment-free classification of bio sequence – **ready**
 - Compressed Amnesic Probabilistic Automata-People: Manzini e tutti noi come coautori
 - **D2.2** Software
 - Soon available for Spark Spectral Kernels

- **D4.1** Study and design a novel class of Multi-Criteria and/or ML-based data compressors.

Graphs- People: De Salve, Rombo, Giancarlo...others interested

- Lossy succinct biological network representations- **ready**
- Other activities start in summer 2020

- Sequences-People: Lo Bosco, Giancarlo+ Manzini, Ferragina

- DeepZip-are we starting ?
- BWT

- **D4.2** Software available for lossy graph representations