AGENDA

**BIG DATA ANALYTICS
KNOWLEDGE EXCHANGE PLATFORM M1
Fin – Tech HO2020 project**

SUPTECH WORKSHOP I
April 12, 2019

**Venue: Cyprus Securities and
Exchange Commission
19, Diagorou Street, 1097
Nicosia, Cyprus**

9.00 – 09.30	**Registration**
09.30 – 9.45	**Opening and introduction to project** Veni Arakelian
9.45 – 11.00	**Big Data Analytics I** Introduction to Big Data. Discussion of ESMA's Trade Repository Data Reporting tool. Transactional and Correlation networks	Veni Arakelian
11.00 – 11.30	**Coffee break**
11.30 – 13.00	**Big Data Analytics II** Complex systems, graph representation, measures. Networks and financial systems, Basel III and interconnectedness. Application to ESMA's Trade Repository Data Reporting tool.	Veni Arakelian
13.00 – 14.00	**Lunch**
14.00 – 15.00	**Machine Learning** Supervised Learning (Logistic regression, Tree models and random forests). Unsupervised Learning (Clustering, Principal Component Analysis (PCA)). Case study	Veni Arakelian
15.00 – 15.30	**Q&A. Practitioner's perspective. Future steps**

Pre-registration required:

        https://www.fintech-ho2020.eu/free/app/registration-suptech-cyprus

Please complete the evaluation form at the end of the workshop:

        https://www.fintech-ho2020.eu/free/app/evaluation-suptech-cyprus

Notes: the program is subject to changes.