



A FINancial supervision and TECHnology compliance training programme



Content

1. General overview - What we do?
2. Training sessions specifications [overview, schedule, planning]
3. Coding lab sessions specifications [overview, schedule, planning]
4. Workshops specifications [overview, schedule, planning]
5. Communication

What we do?

- Our goal: the FIN-TECH project, under the EU's Horizon2020 funding scheme, aims to create a European training programme, aimed at providing shared risk management solutions that **automatize compliance of Fintech companies (RegTech)** and, at the same time, **increases the efficiency of supervisory activities (SupTech)**.
- In other words, we aim at connecting FINancial supervision with TECHnological compliance, from which the acronym of the project: FIN-TECH.
- Specifically, the main goal of the project is to develop a knowledge exchange programme to enhance the European FinTech ecosystem, delivering uniform procedures for fintech compliance in risk management, dynamically updated with emerging state-of-the-art technologies, best practice business models and international regulatory developments.

What we do?

- A programme that will be built jointly by universities, regulators, supervisors, fintechs and fintech hubs, **covering all 28 European Union countries, plus Switzerland.**
- In other words, the goal of the project is to reduce barriers between supervisors and supervised entities, encouraging the development of uniform European technology-driven and regulatory compliant risk management procedures.
- This goal will be achieved through two levels of knowledge exchange sessions.
 - The first level is decentralised, at the location of the involved regulator or supervisor in each of the 29 countries, to achieve uniformity across Europe. It will consist of training sessions, led by academic and fintech experts, with consolidated knowledge in technology, their financial applications and the measurement of the associated risks.
 - The second level is centralised, at the European level, and will consist of 6 coding sessions which will aim at “converting” the content of the training sessions into a practical and reproducible implementation.

Training Sessions - Overview

Big Data Analytics 24 hours

- Background and introduction
- Risk management models
- Application to P2P lending

Artificial Intelligence 24 hours

- Background and introduction
- Risk management models
- Application to robot advisory asset management

Blockchain 24 hours

- Background and introduction
- Risk management models
- Application to crypto payments

Training Sessions – Schedule

MILESTONE	DESCRIPTION	DAY (MUST BE COMPLETED BY)	DURATION OF TRAINING
...			
M25	Completion of training hubs' activities for BDA part 1	31 March 2019	12 hours
...			
M27	Completion of training hubs' activities for BDA part 2	30 June 2019	12 hours
...			
M31	Completion of training hubs' activities for AI part 1	30 September 2019	12 hours
...			
M50	Completion of training hubs' activities for AI part 2	31 March 2020	12 hours
...			
M54	Completion of training hubs' activities for BC part 1	30 June 2020	12 hours
...			
M56	Completion of training hubs' activities for BC part 2	30 September 2020	12 hours

Training Sessions - Planning

- ❑ The distribution of the 12 hours of training within each milestone can be decided individually by the regulators and the responsible partner; However, the training must be completed following the schedule presented in the previous slide.
- ❑ Representatives from the regulatory institutions needs to attend the training sessions. There is no minimum number of participants set by the management. However, validation of successful completion of the training is needed and should be provided by the regulators in the form of a feedback.
- ❑ UNIPV will prepare draft version of training sessions slides which can be personalized by individual partners depending on the needs of the national regulators. Note: the common slides are compulsory as a base. The draft version of the training sessions slides will be shared to Firamis which will upload them on the common platform and will be available for download and possible updates.
- ❑ The training should be done at the premises of the national regulators.
- ❑ The agreed syllabus for the three topics is specified in page 25, Part B from the Grant Agreement-825215-FIN-TECH (or page 150 of the full document)

Coding Lab Sessions – Overview

- ❑ Additional to the training sessions, 6 coding sessions will also be conducted. The main aim of the coding sessions is to “convert” the content of the training sessions into a practical and reproducible implementation.
- ❑ In other words, the purpose of the coding sessions is to allow participants to experiment and test state-of-the art risk management models concerning the three technologies (big data analytics, AI in finance and blockchain).
- ❑ While training sessions will be decentralised in each of the considered European countries, coding lab sessions will be organised at the centralised European level, at the premises of fintech hubs, to encourage uniform fintech risk management practices across Europe.

Coding Lab Sessions – Schedule

MILESTONE	DESCRIPTION	DAY (MUST BE COMPLETED BY)	DURATION OF TRAINING	Partner
...				
M26	Conclusion of coding session 1	29 March 2019	4 hours	modeFinance
...				
M28	Conclusion of coding session 2	30 June 2019	4 hours	Firamis
...				
M32	Conclusion of coding session 3	5 September 2019	4 hours	ZHAW
...				
M51	Conclusion of coding session 4	26 February, 2020	4 hours	WU
...				
M55	Conclusion of coding session 5	19 June 2020	4 hours	UCM
...				
M57	Conclusion of coding session 6	4 September 2020	4 hours	Paris I

Coding Lab Sessions – Planning

- ❑ Representatives from the FinTech ecosystem needs to attend the coding lab sessions. There is no minimum number of participants set by the management. However, validation of successful completion of the coding lab sessions is needed and should be provided by the FinTechs in the form of a feedback.
- ❑ The coding lab sessions will be conducted through a coding platform. The coding technical infrastructure will be created by Firamis - all details concerning the platform and its operability will be shared soon.
- ❑ UNIPV will prepare draft version of R scripts which can be personalized by individual partners. Note: the common R scripts are compulsory as a base. The draft version of the R scripts will be shared to Firamis which will upload them on the common platform and will be available for download and updates.
- ❑ The coding lab sessions should be done at the premises of fintech hubs.

Workshops – Overview

- ❑ The knowledge exchange programme will be supported by a continuous research activity, which will be presented in three workshops (initial, mid-term and final) where regulators, supervisors, fintechs and universities, with the help of an international advisory board, will discuss, in the light of emerging technologies, new proposed regulations, new business models and new risk management models,
- ❑ The agenda of each workshop will be split into two parts:
 - ❑ focused research discussion on one of the three technology drivers and on the related risk management models, and
 - ❑ management board meeting, joint with the advisory board, for a general update on all research topics and for the overall planning and evaluation of the project.
- ❑ The final workshop will also include the final project evaluation, based on all received feedbacks and evaluations.

Workshops – Schedule

MILESTONE	DESCRIPTION	DAY (MUST BE COMPLETED BY)	DURATION OF TRAINING	Partner
...				
M4	Completion of initial workshop (Kickoff meeting)	31 Jan and 1 st Feb 2019	8 hours	UNIPV
...				
M49	Completion of midterm Workshop	31 December* 2019	8 hours	ASE Bucuresti
...				
M76	Completion of final Workshop	31 December* 2020	8 hours	B-Hive
...				

* The date will be fixed soon

Workshops – Planning

- ❑ At least one representative member from the Partners needs to attend.
- ❑ UNIPV will be in charge of the first Workshop (Kick-off meeting) which have been scheduled for the 31st of January (Gala Dinner) and the 1st of February (8.30 am - 4:30 pm) and it will take place in Pavia.
- ❑ The Partner in charge of the workshop organization will be in charge of choosing and funding the location and associated services (rental and catering); inviting all partners (travel and accommodation expenses of one member per partner will be supported by the organizer), supporters and advisors of the FIN-TECH network; set the agenda and chair the workshop.



Communication

- ❑ Slack will be the main communication tool for the project.
- ❑ Please make sure that you have all received and accepted the invite to a particular channel in Slack. This is the Url <http://fin-tech-eu-h2020.slack.com/>
- ❑ We recommend downloading the Slack application on your desktop and on your smart phones so that you can get notifications and updates regularly. (<https://play.google.com/store/apps/details?id=com.Slack&hl=en>)
- ❑ *In case of further doubts, contact:*
 - Branka Hadji Misheva; mail: Branka.hadjimisheva01@universitadipavia.it
 - Paolo Pagnottoni; mail: Paolo.pagnottoni01@universitadipavia.it
 - Anca Mirela Toma; mail: Ancamirela.toma01@universitadipavia.it

Online Communication Tools

❑ Web page

[FinTech - H02020 Draft Version of Web Page](#)

❑ Going live: 1st January 2019



FIN-TECH H02020

A FINancial supervision and TECHnology compliance
training programme

[Home](#) [About Us](#) [Team](#) [Our Focus](#) [News](#) [More](#)



Promotional Flyers

SCHEDULE

- 10:00 - 11:00**
- 11:00 - 13:00**
- 13:00 - 14:00**
- 14:00 - 15:00**

INTRODUCTION
Introduction to Big Data Analytics and its application in finance
Introduction to the online platform used for executing R scripts and the test data

RISK MANAGEMENT MODELS I
Generalized linear models, tree models and random forest;
Transactional networks, correlation networks

RISK MANAGEMENT MODELS II
Credit risk models;
Systemic risk models;
Network based scoring models

FIN TECH HO2020
BIG DATA ANALYTICS - CODING SESSIONS

FinTech District Milan

Speakers

- Valentino Pedraza
Model Manager - CEO
- Paolo Giudici
Professor in Data Science
- Branka Hadji Mishera
PhD Student in Data Science

Partners

- Fintech District

TIME: 10AM - 3PM | DATE: MARCH 29TH 2019

Via Filippo Sassetti, 32, 20124 Milano

CONTACT US

WWW.FINTECH-HO2020.EU

Promotional Flyer for the First Coding session scheduled for 31 March 2019 at FinTech District Milan, Italy

Promotional Flyer for the Kick-off Meeting scheduled for 1 February 2019 at UNIPV, Pavia Italy

SCHEDULE

- 08:30-9:00**
Registration
Coffe
- 9:00 - 10:45**
Session 1
Fin Tech project presentation
Panel 1
- 10:45 - 11:15**
Coffe break
- 11:15 - 12:45**
Session 2
Panel 2
Panel 3
- 12:45 - 13:45**
Lunch
- 13:45 - 15:15**
Session 3
Panel 4
Panel 5
- 15:15 - 15:45**
Coffe break
- 15:45 - 17:00**
Session 4
Panel 5
Conclusive remarks

FIN TECH HO2020
KICK-OFF WORKSHOP

University of Pavia
Pavia, Italy

Organizers

- EU Commission
- University of Pavia
- 23 European Partners
- Fintech Lab
Dept of Economics and Management

TIME: 08.30 AM - 5PM | DATE: FEBRUARY 1ST 2019

Corso Strada Nuova, 65, 27100 Pavia PV

CONTACT US

WWW.FINTECH-HO2020.EU

Deliverable (number)	Deliverable name	WP number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)	Status
D1.1	Establishment of the FIN-TECH network and of the Advisory Board;	WP1	UNIPV	R	PU	M1	Completed
D7.1	Establishment of website and social media channels.	WP7	FIRAMIS	DEC	PU	M1	Completed

Deliverables
