

# SUPTECH AT EIOPA

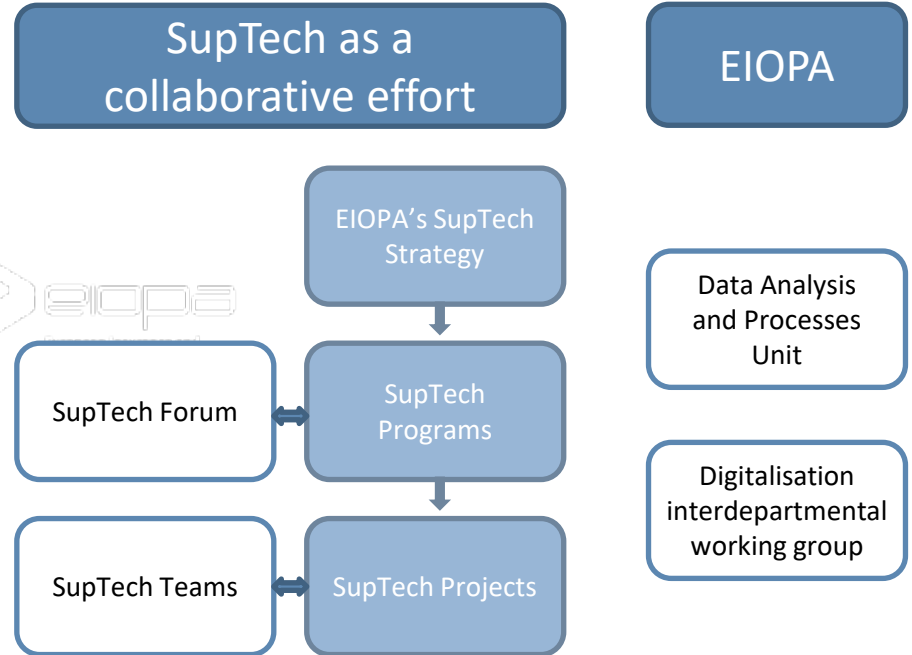
Artificial Intelligence and Machine Learning for SupTech

EU Supervisory Digital Finance Academy

Florence, 15 March 2023

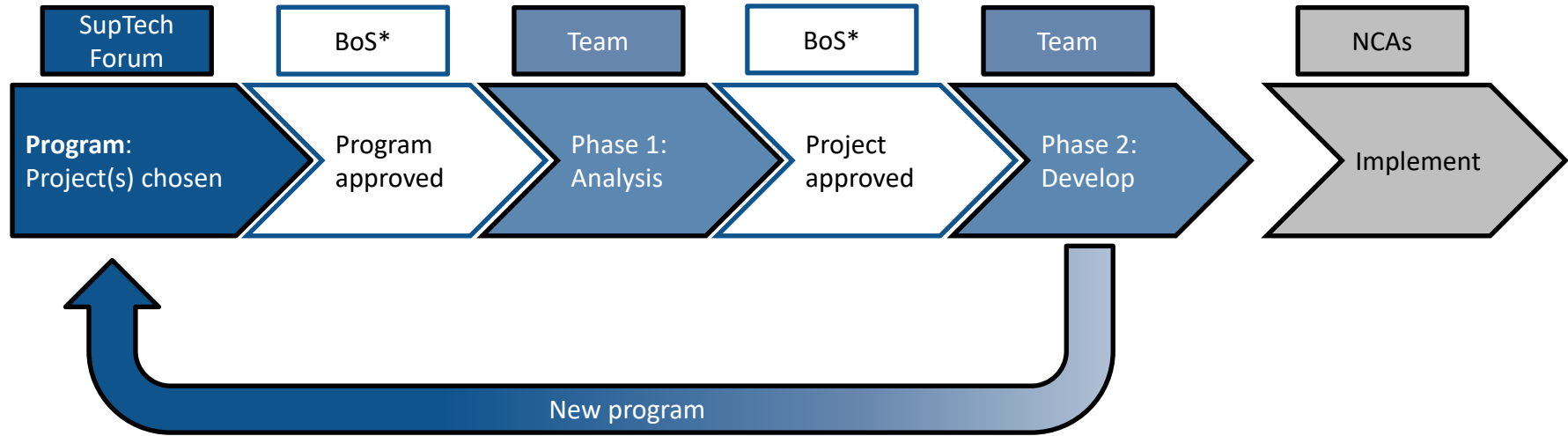
Miguel Caballero

# SUPTECH AT EIOPA



# SUPTECH STRATEGY

## SUPTECH CYCLE



\*Board of Supervisors

# 2<sup>ND</sup> SUPTECH PROGRAM PROCESS

## Brainstorming

- Ideas from SupTech events
- Feedback from colleagues
- Feedback from HoD
- Feedback from NCAs (survey, call for proposals...)

## Criteria

- SupTech Strategy criteria
- Lessons learnt

## Prioritisation

- Criteria applied
- Joint discussions with NCAs (SupTech Forum, SSC)
- EIOPA's senior management
- BoS approval

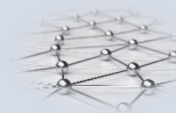
SupTech Forum  
Qualitative Ranking Analysis

	Common interest	Leverage EIOPA's role	Avoid overlaps	Innovation vs feasibility	Real needs	TOTAL
<b>NLP + term base</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>
Net. analysis	1	1	1	1	1	5
Forecasting	1	1	0	0	1	3
ESG validator	0	0	1	1	1	3
<b>Data quality (both)</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>
Reinsurance	1	1	0	0	1	3

# SUPTECH AT EIOPA

## SupTech Programs

- ①
  - KID analytics
  - EIOPA's register of insurance and reinsurance undertakings
  - Code sharing platform
- ②
  - NLP applied to SFCR
  - Data quality



## Standalone projects

- Forecasting the Solvency Capital Requirement (SCR)
- Network analysis
- Rule mining (QRT validations)
- Outlier detection
- ...



## Ad-hoc collaborations

- EIOPA-ECB Machine learning projects
- Sharing tools



## Smart oversight

- Where should SupTech be used? Why?
- Who will use SupTech? How?

