





## **Agility & Growth Programme**

Create an **AGILE** operating model that fosters Growth

## **Agility**

AGILITY is the ability to change rapidly to remain competitive and create long term value

### **Growth**

Accelerate business development and international client expansion

Reinvest savings into GROWTH initiatives that improve competitiveness

#### **Core Pillars**

Exceptional Client Experience 2.0 Process Excellence (Agile & Simple)

### Enabling Pillars

Digital Transformation Enabling Technology Simplification



## Data & Analytics: a long journey ...

#### **DATA & ANALYTICS JOURNEY**

### 1. ADVANCED REPORTING

Manage data analytics aimed to facilitate data comprehension to the internal Data Owner and educate internal people to figure out business trends.

### 2. PREDICTIVE ANALYSIS

Analyse data in order to monitor customers behaviours and to leverage data to generate new services/products to foresee and satisfy customers needs.

### 3. PRESCRIPTIVE ANALYSIS

Leverage data and massive process elaboration to forecast future trends with the objective to identify strategic solutions to drive decisions.

OPERATIONAL EXPERIENCE

CUSTOMER EXPERIENCE

DECISION MAKING PROCESS



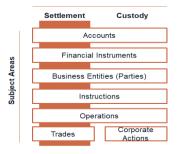
## Data & Analytics: ... started in 2017 ...

2017

2018

2019

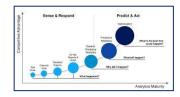
## SEMANTIC DATA MODEL



#### DATA LAKE



DATA
VISUALIZATION
TOOL



STRUCTURED DATA

#### DATA CATALOGUE

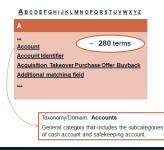


#### MACHINE LEARNING TOOL



PREDICTIVE ANALYSIS

## **BUSINESS GLOSSARY**





### Data & Analytics: ... the next steps...

#### 2020

#### **MONTE TITOLI DATA & ANALYTICS JOURNEY**

## UNSTRUCTURED DATA

Augment quantity of data and information to be used in making predictive analysis, aimed to explore potential new business opportunities and strategies.

#### SEMANTIC DATA ANALYSIS

Improve quality of data and information to be used in making predictive analysis, saving time and effort of people to be dedicated to analyse potential new cases and/or solutions to increase our capability.

#### PRESCRIPTIVE ANALYSIS

Leverage the machine learning tool to perform **prescriptive analysis** with the aim to augment data knowledge and create to address the decision making process through data.

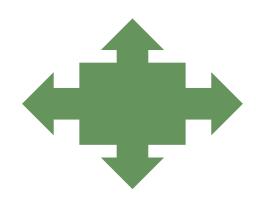


## Data & Analytics: ... to augment capability

#### **HUMAN BEINGS**

# DATA SCIENCE

refers to the techniques where a human supported by a machine is trying to extract information and insights from data. This includes predictive models on the higher level.



### MACHINE LEARNING

is the science of creating algorithms and programs which learn on their own on the basis of heterogeneous data sources such as systems, things and humans.

# ARTIFICIAL INTELLIGENCE

is the study of how to create intelligent agents. In practice, it is how to program a computer to behave and perform a task as an intelligent agent (say, a person) would.



## Data & Analytics: Key Successful Factors

#### 1. ORGANIZATION

Drive through a business approach in discovering data value and operational processes, working as a single and unique team: many brains in a single head.

### 2. PEOPLE

Foster the exploration of all the potential correlations of data, to encourage data analysis and facilitate the adoption of predictive modelling tools.

### 3. TECNOLOGY

Leverage **Cloud** opportunity as enabler to implement a data lake architecture and to take advantage of products and services, available in the marketplace.

SINGLE TEAM

COMPETENCE CENTRE

ONE-STOP-SHOP