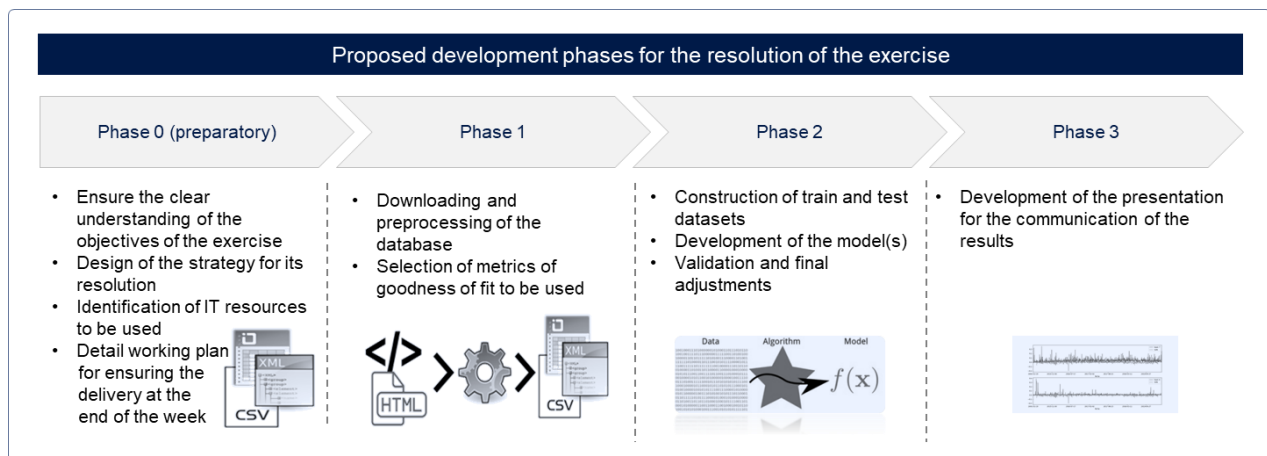# *Modelling Week*

Statement of the proposed exercise

Modelling Week – Problem Statement

Title: Identifying people from images of their faces

Description:

The objective of the exercise is to build a model that allows the identification of different people from an image of their face. The model should correctly classify any new image from one of the selected people.

Development details:

Proposed development phases for the resolution of the exercise

Phase 0 (preparatory)
- Ensure the clear understanding of the objectives of the exercise
- Design of the strategy for its resolution
- Identification of IT resources to be used
- Detail working plan for ensuring the delivery at the end of the week

Phase 1
- Downloading and preprocessing of the database
- Selection of metrics of goodness of fit to be used

Phase 2
- Construction of train and test datasets
- Development of the model(s)
- Validation and final adjustments

Phase 3
- Development of the presentation for the communication of the results

Resources:

A public database of images will be used. Each member of the group should have access to a computer with a specific software installed (Python 3.x is advisable, though not mandatory).