

# AIMS (Artificial Intelligence for the Management of Shifts) project



This project has been supported by [POR-CREO FESR program of Tuscany Region](#)

The partner of the research project are:



[GOL lab](#) at



[DINFO](#)

## Project main aim

Developing advanced artificial intelligence and Operations research tools to solve large scale personnel scheduling problems based on activities

The main role of GOL lab at DINFO will be:

*Innovative algorithms to deal with Activity Driven workforce scheduling.*

The research will be organized into three main tasks:

1. Innovative optimization models and algorithms for activity-driven personnel scheduling
2. Methods to deal with personnel re-allocation based on unpredicted events
3. Physical resources scheduling models