Activities	Period of execution in months																																														
	2016									2017												2018												2019												2020		
	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
General																																																
Planning meeting	■			■			■			■			■			■			■			■			■			■			■			■			■			■			■					
Follow-up meeting		■			■			■			■			■			■			■			■			■			■			■			■			■			■			■					
Research seminar			■			■			■			■			■			■			■			■			■			■			■																
Elaboration of scientific articles						■		■	■					■	■	■	■	■	■	■	■						■		■	■		■	■					■	■		■	■		■	■			
Evaluation meeting			■			■			■			■			■			■			■			■			■			■			■				■			■			■					
Elaboration of the research proposal																		■	■																													
Project presentation																				■																												
Qualification of the thesis																																■																
Teaching Internship																															■	■	■															
Thesis writing																																									■	■	■	■	■	■	■	
Defense																																																■
Research																																																
Literature review	■	■	■	■	■	■	■	■	■																																							
Definition of objective criteria for selecting a set of integration platforms to be studied								■	■																																							
Study of the runtime system of each selected platform									■	■	■	■																																				
Identification of properties that may have an impact on the performance of runtime systems											■	■	■																																			
Development of a comparison framework for integration runtime system												■	■	■	■																																	
Framework application developed to compare selected platforms																■	■																															
Identification of the weaknesses of the runtime systems of the integration platforms studied										■	■	■	■	■	■	■	■	■	■																													
Elaboration of proposal of a new model for a runtime system more efficient																						■	■	■	■	■	■																					
Sandwich doctorate																								■	■	■	■	■	■	■	■	■	■	■	■	■												
Proof of concept development to measure the gains of the proposed runtime system																												■	■	■	■	■	■															
Selection of a set of datasets to demonstrate the operation of the proposed runtime system																																		■	■	■												
Validation																																					■	■	■	■	■							