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University of Rome
Tor Vergata
Italy

Department of Enterprise Engineering

KA2 - Cooperation for innovation and the exchange of good practices

Capacity Building in Higher Education

Joint project

Master in Smart Transport and Logistics for Cities / SmaLog

WP3

Theoretical fundamentals of PhD Programme in SmaLog

PMC6 / 23 March 2021 / online MS Teams Platform



CENTRO DI RICERCA
PER IL
TRASPORTO E LA LOGISTICA



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P2 – UniRM1

Overview

- ✓ Objectives of WP3
- ✓ Task and Deliverables
- ✓ Activities developed and obtained outcomes
- ✓ Inception note contents: Methodology to define the SMALOG PhD course
- ✓ Definition of research needs

Objectives

- ✓ To contribute to harmonization of the Higher Education Systems between EU, UA and GE, by introducing a **PhD Programme on Smart Transport and Logistics** in Partner Countries Universities (Ukraine and Georgia)
- ✓ To provide methodological and technological support of the theoretical fundamentals of PhD Programme
- ✓ To jointly evaluate and approve
 - Topics of the programme
 - Implementation approach (e.g. support from industrial and academic sectors)

Task and Deliverables

✓ Deliverables

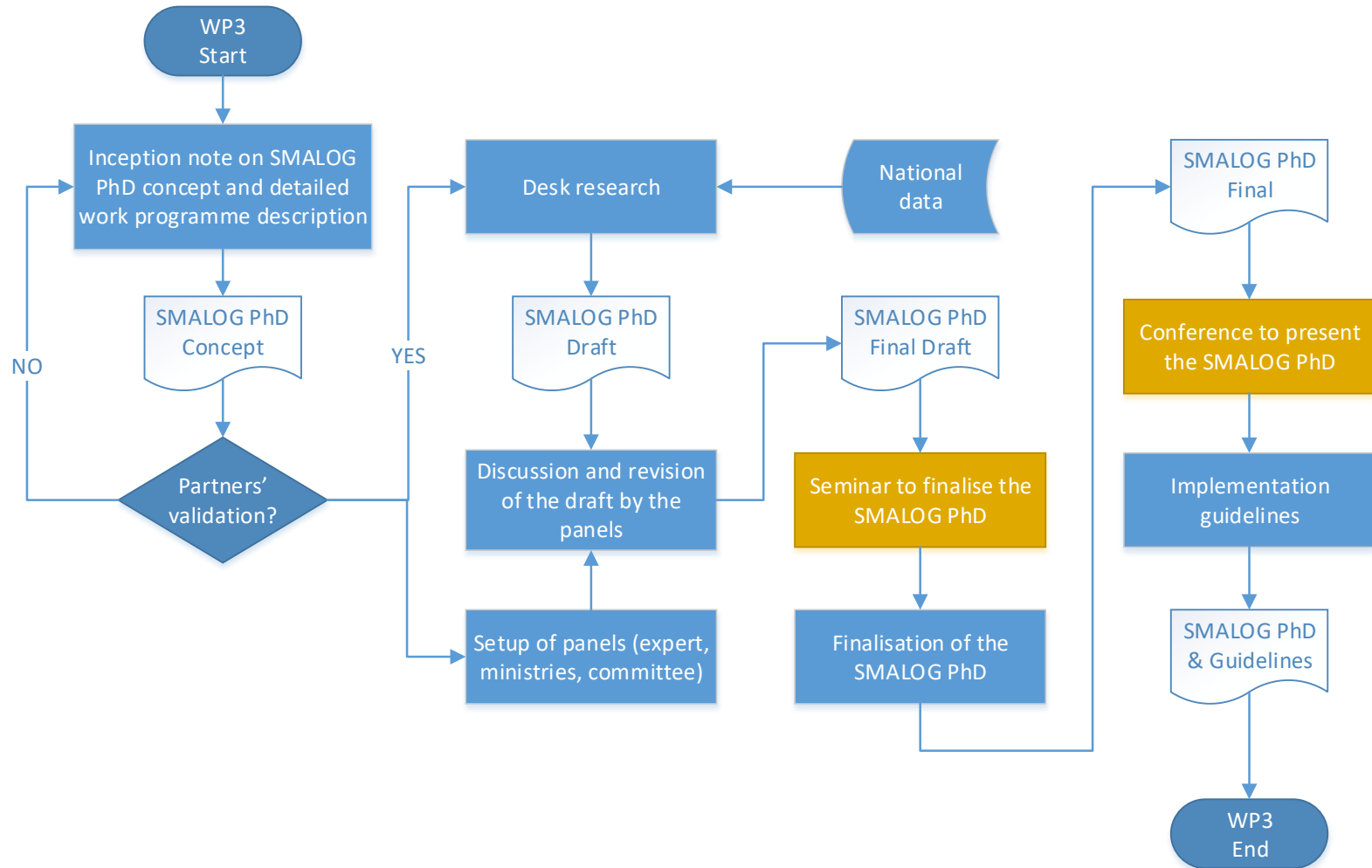
- *Progress Seminar of Theoretical fundamentals of PhD Programme in SmaLog –week 23 – 27 August 2021 (on-line)*
- *Theoretical fundamentals of PhD Programme in SmaLog presentation –Final conference (to be decided together with PMC)*

✓ Expected Reports

- Inception note (**done, to be send asap**)
- SmaLog PhD concept and content description draft (30 April 2021)
- SmaLog PhD concept and content description final (30 June 2021)
- SmaLog PhD implementation guidelines (30 June 2021)

Activities developed and obtained outcomes ¹

WP3 Logical block diagram



Activities developed and obtained outcomes

International review on Transport and Logistics

PhD courses

N.	Name	Institution	Duration
1	The PhD Course in Infrastructures and Transport	Sapienza University of Rome	3 years
2	Transport Studies (Research)	University of Leeds	3 years
3	PhD Position in Transportation and Logistics	Tallinn University of Technology, Estonia	4 years
4	PhD scholarship in Transport Network Modelling	Technical University of Denmark, Denmark	3 years
5	Ph.D fellowship in Sustainable Urban Mobility	University of Stavanger, Norway	3 years
6	PhD in Intelligent Transportation	The Hong Kong University of Science and Technology	3-4 years
7	Ph.D. in Transportation Program	New Jersey Institution of Technology	
8	PhD Positions in Institute of Transport and Logistics Studies at University of Sydney in Australia	Institute of Transport and Logistics Studies at University of Sydney in Australia	3 years
9	Transportation Planning and Engineering PhD Program	NYU Shanghai.	4-5 years
10	PhD Position in Intelligent Transportation Systems at the Chair Sustainable Transport Logistics	Johannes Kepler University Linz Austria	
11	PhD positions in IoT solutions for Smart transport and logistics	University of Twente (UT), Netherlands	4 year
12	PhD Scholarship Position(s) in Logistics	Molde University College (HiM), Norway	3-4 years
13	PhD Position in Transportation and Logistics	Tallinn University of Technology, Estonia	4 year
14	PhD in Logistics and Supply Chain Management	The University of Zaragoza, Spain	4 year
15	Collaboration and competition between transport and logistics modes in supply chains across Australia	Macquarie University, Australia	3 years



Inception note contents: Methodology to define the SMALOG PhD course

To adapt best practices of PhD from leading universities in the world to the research needs and current regulation of PhD courses of UE and GA universities:

- ✓ Define research needs (duration, entry requirements, possible research areas, scholarship possibilities)
- ✓ Develop a detailed outline (lesson, topic, session) of training courses
- ✓ Develop a Curriculum (content organization, lesson plan content, delivery methods, assessment/feedback mechanisms)
- ✓ Develop a Work Plan, schedule courses, students, and instructors
- ✓ Define the final output that students has to provide to complete the course, including the requirements for the final work
- ✓ Define the program resources (staff, physical space, equipment, materials)
- ✓ Provide guidelines of continual evaluation checks of program effectiveness
- ✓ Define possible risks and limitations



Definition of research needs – Survey

By the end of this week!

The questionnaire, and the related questions, proposed to Local Academics will address different aspects:

- ✓ Local situation in term of contents and equipment now available for the PhD courses on smart transport or logistics;
- ✓ Local needs' in terms of contents, research and equipment for the PhD courses;
- ✓ Local administrative issues or barriers that could hinder the PhD courses delivery;
- ✓ Local needs' in terms of improving employment opportunities

SMALOG WP3 User Needs Analysis for Academics

The objective is to understand the local conditions and needs and understand how to deliver the PhD courses in UA&GE considering also the current administrative and academic structure of Local Universities.

*Campo obbligatorio

Are there any available PhD courses on 'Smart Transport', 'Transport' in general or on 'Smart Logistics'? (if yes please provide the curricula of these courses and a short description) *

La tua risposta

What are the entry requirements for students to attend these PhD courses?

La tua risposta

In these PhD degrees are there any laboratory activities (e.g. use of simulation software, if yes - which)?

La tua risposta





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Thanks for your attention



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