
LAMBDA - Learning, Applying, Multiplying Big Data Analytics

Project presentation



LEARNING, APPLYING, MULTIPLYING BIG DATA ANALYTICS

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 809965.



Project Funding

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- Coordination and Support Action

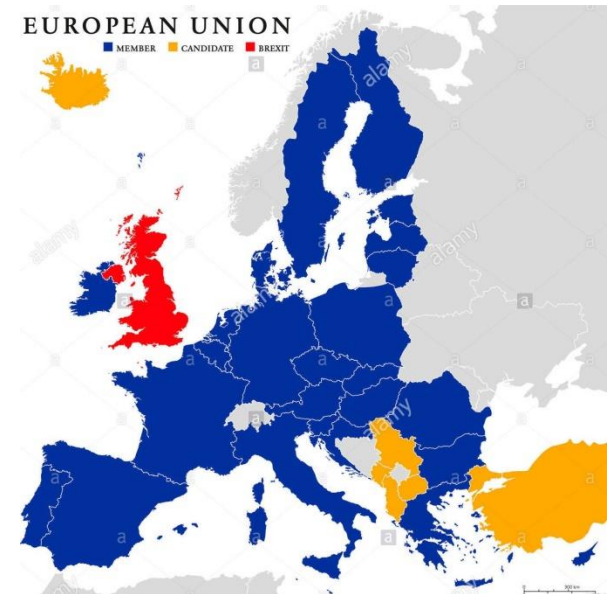
LAMBDA – Position in the H2020 Work Programme	
Work Programme /	H2020-WIDESPREAD-2016-2017
Pillar	Spreading Excellence and Widening Participation
TOPIC	Twinning
Scope	...significantly strengthening a defined field of research in a university or research organisation from a Widening country by linking it with at least two internationally-leading research institutions in other Member States or Associated Countries.

Vision and Primary Objectives



Strengthening the Human capital and Education, Research and Development capacities of “Mihajlo Pupin” Institute the leading Serbian R&D institution in information and communication technologies in order to serve as a Big Data & Analytics HUB that connects and integrates scientists and professionals from the West Balkans and the entire region into the European Research Area.

Decreasing the existing European regional R&I disparity by Fostering excellence in the Big Data Ecosystem areas unlocking and raising the scientific profile of academics institutions from Serbia and the region while contributing to European progress beyond the state-of-the-art of related research and technology, as well as establishing productive and fruitful long-term cooperation.



Specific Objectives

OBJ 1: Strategic Partnership - Establishment and development of productive and fruitful long-term cooperation that continues after project completion

- 4 partners, 3 different countries (Serbia, Germany, UK)

OBJ 2: Boosting scientific excellence of the linked institutions and capacity building of the widening country and the region in Big Data Analytics and semantics

- Different capacity building activities (**Big Data Analytics Summer School**)

OBJ 3: Spreading excellence and disseminating knowledge throughout the West Balkan and South-East European countries

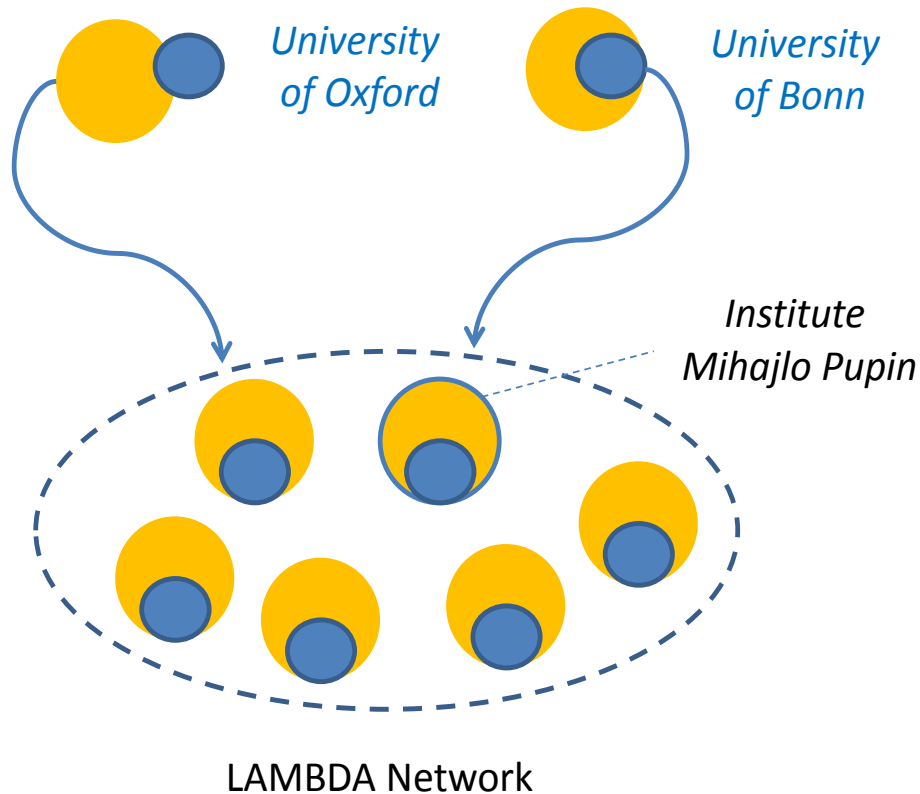
- 5 workshops at International conferences in the region

OBJ 4: Sustainability of research related to key societal challenges (sustainable transport, sustainable energy, security, societal wellbeing) and financial autonomy in the long run

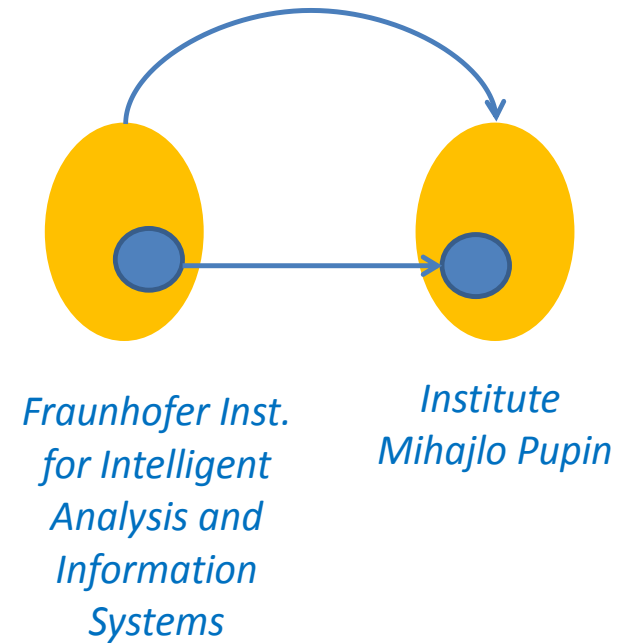
- 7 brainstorming sessions on key societal challenges

Overall Concept

A. Sub-institution-to-Network

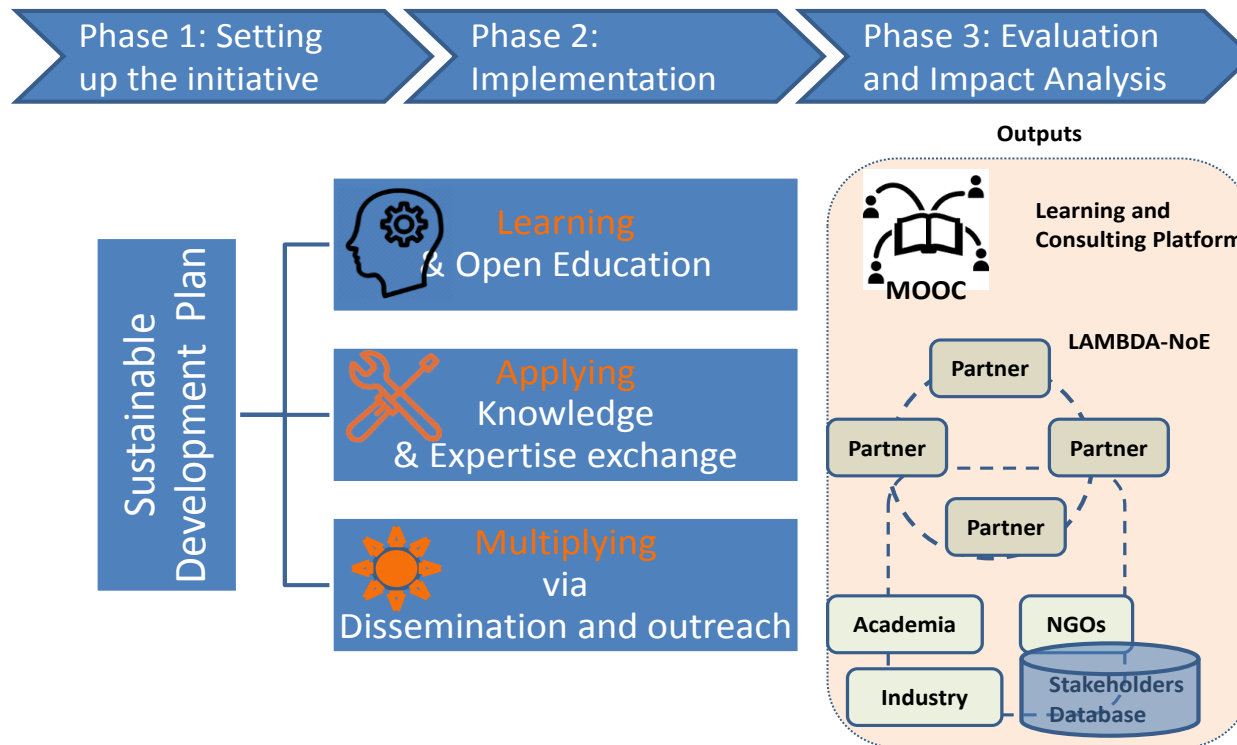


B. Sub-institution-to-Institution



Methodology

- Phase 1: Setting up the Initiative and preparing the Twinning Strategy and Action Plan for 2018-2020, Phase 2: Execution / Implementation and Phase 3: Closure / Evaluation and Impact Analysis and delivery of the Strategy and Action Plan for 2021-2025.



Key Pillars

Component	Measures	Description
Learning & Open Education	Virtual training, organisation of joint summer school type activities	Knowledge repository as part of the LAMBDA Learning and Consulting Platform will be established to facilitate spreading learning materials, as well as exchange of best practice between research institutions from South-Eastern Europe and leading EU partners.
Applying Knowledge & Cooperation	Short term staff exchanges; short-term on-site expert visits; joint IT solutions analysis and design	LAMBDA Experts Exchange Program for teachers, researchers and developers) will open possibilities for collaborative research on open issues in Big Data related areas.
Multiplying Dissemination and outreach	Joint papers and workshops; conference attendance	Raising awareness about future trends in Big Data, Emerging Tools and Technologies, and standards by organization of events at international (e.g. DEXA, ESWC, SEMANTiCS) and regional (e.g. ICIST, ICT Innovations) conferences, organization of the Belgrade Big Data Analytics Summer/Winter School.
Sustainable Development Plan for PUPIN	Detailed Action Plan / assessment of development strategy	Strategy development and monitoring activities; Self-assessment of research accomplishments at PUPIN aimed at increasing the shared awareness about the research capacities, primarily human resources.

Initial Action Plan

OBJ 1: Strategic Partnership - Establishment and development of productive and fruitful long-term cooperation that continues after project completion.

[OBJ 1.A1] SWOT analysis

[OBJ 1.A2] Strategy for stepping up and stimulating scientific excellence and innovation capacity

OBJ 2: Boosting scientific excellence of the linked institutions and capacity building of the widening country and the region in Big Data Analytics and semantics

[OBJ 2.A1] Preparing learning materials, collaborative work

[OBJ 2.A2] Staff exchange

[OBJ 2.A3] Organization of the Big Data Analytics Summer School

OBJ 3: Spreading excellence and disseminating knowledge throughout the West Balkan and South-East European countries

[OBJ 3.A1] Organization of International Research-Industry Forums

[OBJ 3.A2] Organizing Scientific events

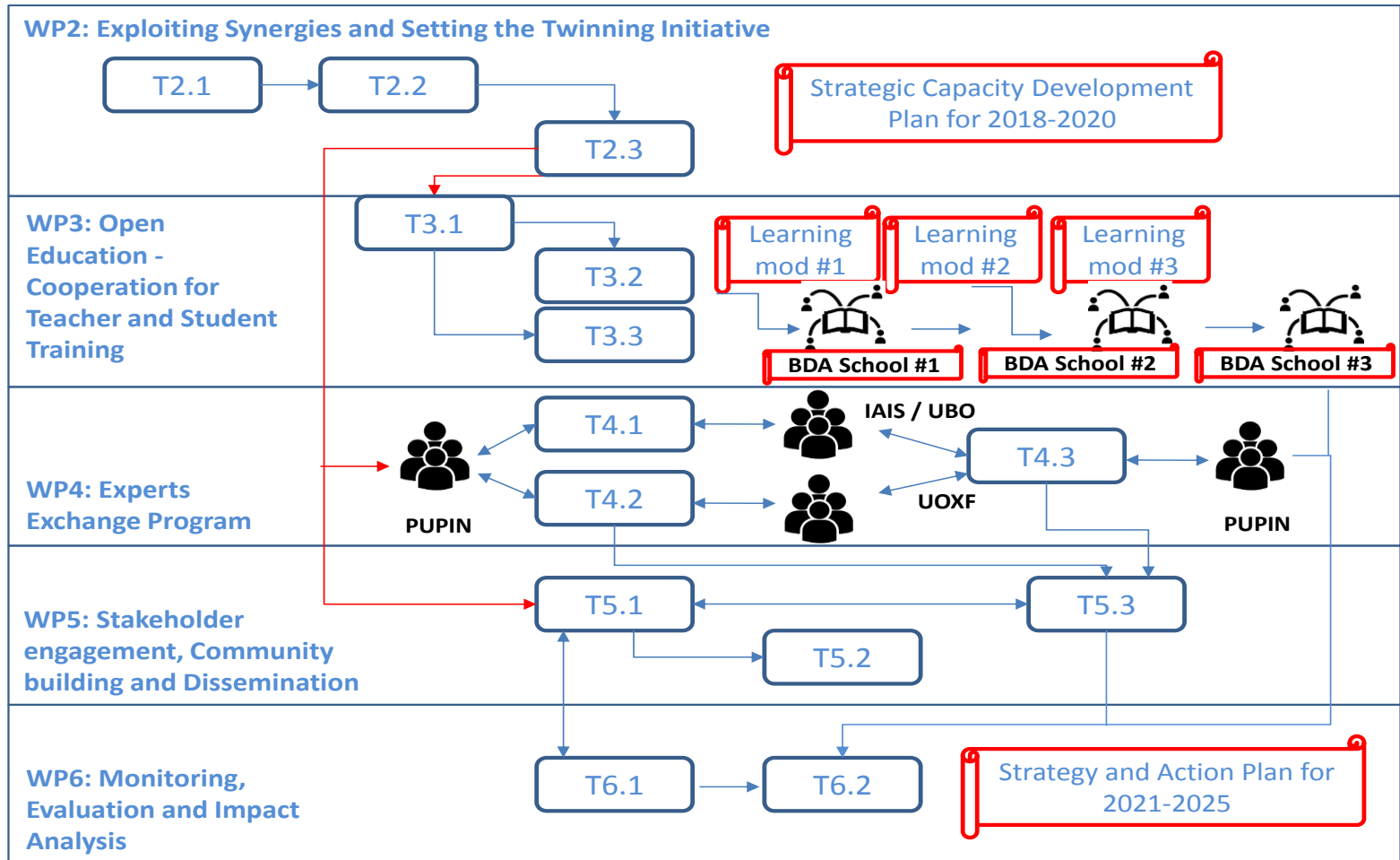
OBJ 4: Sustainability of research related to key societal challenges (sustainable transport, sustainable energy, security, societal wellbeing) and financial autonomy in the long run

[OBJ 4.A1] Design and adopt innovations, Supporting adoption of innovative products

[OBJ 4.A2] Strengthening the linkages with industry

[OBJ 4.A3] Building capacity for strategic research planning and management

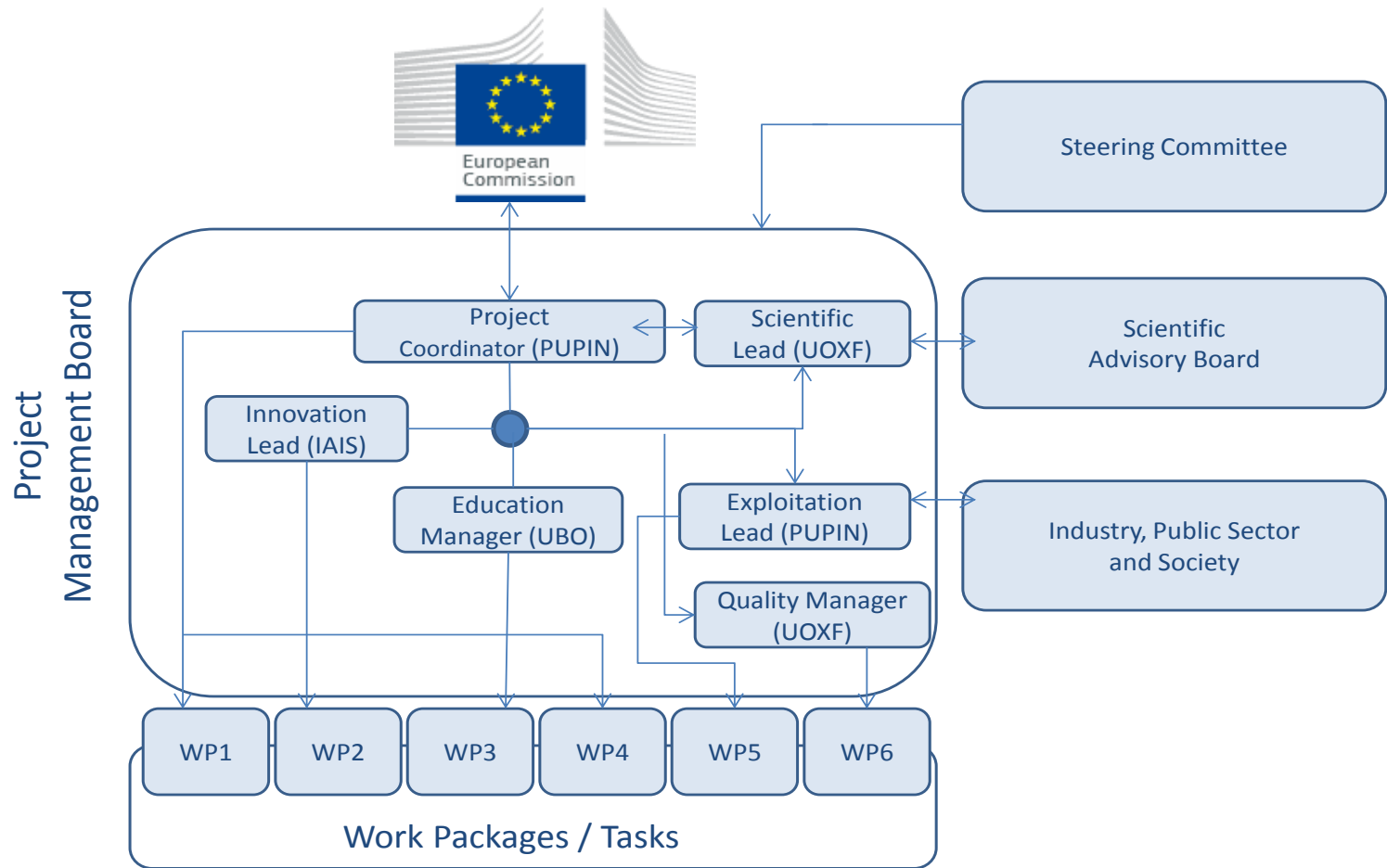
Implementation



Milestones

	Phase 1						Phase 2																		Phase 3					
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29	M30
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T1.2						D																							D	
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			Milestone 1			Milestone 2					Milestone 3			Milestone 4									Milestone 5						Milestone 6	

Organisational structure and roles



Meetings

WP	Description	Host	Aim	Duration	Due Month
WP1	Kick-off meeting	PUPIN	Project Kick-Off (WP1)	2 days	M1
WP1, WP2	Plenary #1	Fraunhofer	SWOT Analysis; Twinning Strategy and Action Plan for 2018-2020 (WP2)	2 days	M6
WP1, WP3, WP4, WP5	Plenary #2	PUPIN	Advisory Board Meeting (WP1); BDA School 2019 (WP3); On-site visit (WP4) Research Industry Dialog (WP5);	5 days	M12
All	Review meeting		Evaluation of results	1 day	M15
WP1, WP4	Plenary #3	UOXF	On-site visit (WP4)	5 days	M20
WP1, WP3, WP4, WP5, WP6	Plenary #4	PUPIN	Advisory Board Meeting (WP1); BDA School 2020 (WP3); On-site visit (WP4) Foresight Exercise (WP6);	5 days	M24
WP1, WP4, WP5, WP6	Plenary #5/ Review meeting	UBO	On-site visit including Fraunhofer (WP4) Strategy and Action Plan for 2021-2025 (WP6)	5 days	M30

Key Performance Indicators

	Number of different KPI
OBJ-1 Strategic Partnership - Establishment and development of productive and fruitful long-term cooperation that continues after project completion	4
OBJ-2 Boosting scientific excellence of the linked institutions and capacity building of the widening country and the region in Big Data Analytics and semantics	11
OBJ-3 Spreading excellence and disseminating knowledge throughout the West Balkan and South-East European countries	4
OBJ-4 Sustainability of research related to key societal challenges (sustainable transport, sustainable energy, security, societal wellbeing) and financial autonomy in the long run	6

LOGO



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