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Organisers



Why DEDS?

Data drives the world.

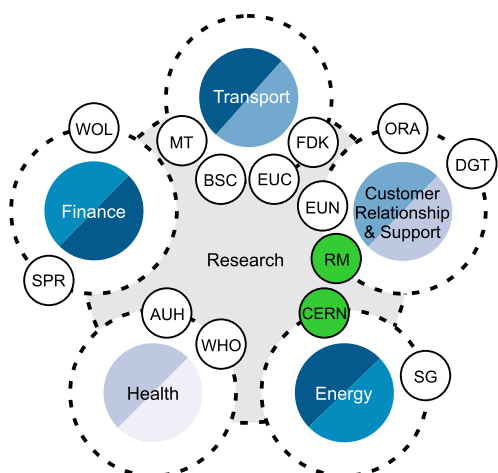
The DEDS programme will be a worldwide reference in advancing research and education in data management innovation for solving the critical challenges facing the society now and in the future.

Topics

Research Projects	Description	Institution				Discipline	Work Package	Functional Modules
		ULB	UPC	AAU	ARC			
ESR1.1	Semantic-aware heterogeneity management					Customer	WP1 Governance	Functional Modules
ESR1.2	Traceability in big data processing					Health		
ESR1.3	Privacy-aware data integration					Health		
ESR2.1	Transparent in-situ data processing					Transport	WP2 Storage and Processing	
ESR2.2	Distribution and replication for feature selection					Customer		
ESR2.3	Model-based storage for time series					Energy		
ESR2.4	Analytic operators for trajectories					Transport		
ESR2.5	End-to-end optimisation for data science in the wild					Energy		
ESR2.6	Physical optimisation for large scale, DS workloads					Transport		
ESR3.1	Spatio-temporal data integration & analysis					Transport	WP3 Preparation	
ESR3.2	Synopses-driven data integration & federated learning					Finance		
ESR3.3	Unified information extraction for data preparation					Customer		
ESR4.1	Interactive exploration & analytics on complex big data					Customer	WP4 Analysis	
ESR4.2	Scalable model selection in stream settings					Finance		
ESR4.3	A platform for prescriptive analytics					Energy		

ESR - Early-Stage Researcher Main supervisor from the Home institution Use case disciplines
 WP - Work Package Co-supervisor from the Host Institution

Partners



○ Secondment ● Secondment & Open Source Platform Leader
 Volume Velocity Variety Veracity Privacy
 SPR-Spring Techno; WOL-WorldLine; MT-MarineTraffic; BSC-Barcelona Supercomputing Center; EUC-Eurecat; FDK-FlexDanmark; ORA-Orange Belgium; DGT-Direcció General de Turisme; EUN-EuraNova; RM-RapidMiner; CERN-European Organization for Nuclear Research; SG-Siemens Gamesa; WHO-World Health Organization; AUH-Aalborg University Hospital;

Plan

Research Mobility	Stay at Home Institution	Stay at Host Institution	Stay at Home Institution
Doctoral Stage	State of the Art/ Workplan definition	Conception and Implementation	Evaluation and Writing
Research and Training Programme	Doctoral Courses at Home Institution	Doctoral Courses at Host Institution	Doctoral Courses at Home Institution
ESR Milestones	Participation in Scientific Events / Secondments		
	M1: Doctoral Project Plan	M2: Thesis Proposal Report	M3: Research Progress Report
	M4: Doctoral Thesis Submission		
	1st Semester	2nd Semester	3rd Semester
	4th Semester	5th Semester	6th Semester
Joint Training Activities	Winter School	Summer School	Winter School
		Summer School	

Dates

Application deadline: Feb 7, 2021, midnight AoE
Interviews: Mid of Feb 2021 - Mid of March 2021
Notification: End of March 2021

