

ANNEX 1: Call ranked list(s)

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List	EU Rank	Final Score	Coordinator		Topic	Type of Action	Proposal				Financial Details				IKOP	TPC	Co-funding rate
			Organisation	Country			Number	Acronym	Title	Duration	Total Cost	Requested EU Contribution	Recommended EU Contribution	Cummulative Recommended EU Contribution			
Main list	1	12	THALES GROUND TRANSPORTATION SYSTEMS UK LTD	UK	S2R-CFM-CCA-01-2019	Shift2Rail-IA-LS	881791	FINE-2	Furthering Improvements in Integrated Mobility Management (I2M), Noise and Vibration, and Energy in Shift2Rail	36	5,050,329.00 €	3,635,180.00 €	3,635,180.00 €	3,635,180.00 €	4,376,707.42	8,011,887.42	45.37%
Main list	1	11.5	SIEMENS MOBILITY GMBH	DE	S2R-CFM-IP1-01-2019	Shift2Rail-IA-LS	881807	PIVOT2	Performance Improvement for Vehicles on Track 2	39	24,453,090.50 €	17,845,062.00 €	17,845,062.00 €	17,845,062.00 €	22,491,493.00	40,336,555.00	44.24%
Main list	1	11.5	ALSTOM TRANSPORT SA	FR	S2R-CFM-IP2-01-2019	Shift2Rail-IA-LS	881806	X2Rail-4	Advanced signalling and automation system - Completion of activities for enhanced automation systems, train integrity, traffic management evolution and smart object controllers	39	24,481,056.25 €	17,900,959.68 €	17,900,959.68 €	17,900,959.68 €	23,188,740.30	41,089,699.98	43.57%
Main list	1	12	HITACHI RAIL STS SPA	IT	S2R-CFM-IP3-01-2019	Shift2Rail-IA-LS	881574	IN2SMART2	Intelligent Innovative Smart Maintenance of Assets by integRAted Technologies 2	36	13,077,533.75 €	10,280,027.79 €	10,280,027.79 €	10,280,027.79 €	12,852,418.21	23,132,446.00	44.44%
Main list	1	10.5	DEUTSCHE BAHN AG	DE	S2R-CFM-IP5-01-2019	Shift2Rail-IA-LS	881778	FR8RAIL III	Smart data-based assets and efficient rail freight operation	36	7,622,451.25 €	5,804,710.00 €	5,804,710.00 €	5,804,710.00 €	7,257,194.60	13,061,904.60	44.44%
Main list	1	10.5	SNCF RESEAU	FR	S2R-CFM-IPX-CCA-01-2019	Shift2Rail-RIA-LS	881826	LINX4RAIL	System architecture and Conceptual Data Model for railway, common data dictionary and global system modelling specifications	36	2,161,898.75 €	2,161,898.75 €	2,161,898.75 €	2,161,898.75 €	3,069,055.51	5,230,954.26	41.33%
Main list	1	13	TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	S2R-OC-CCA-01-2019	Shift2Rail-RIA	881771	TRANSIT	Train pass-by noise source characterization and separation tools for cost-effective vehicle certification	36	1,308,718.75 €	1,308,718.75 €	1,308,718.75 €	1,308,718.75 €	0.00	1,308,718.75	100.00%
Reserve list	2	11.5	FIT CONSULTING SRL	IT	S2R-OC-CCA-01-2019	Shift2Rail-RIA	881843	NOVIRAIL	Less Noise and Vibration for Innovative RAILway systems	36	1,299,900.00 €	1,299,900.00 €	1,299,900.00 €	2,608,618.75 €	0.00	1,299,900.00	100.00%
Main list	1	13.5	FUNDACIO EURECAT	ES	S2R-OC-IP1-01-2019	Shift2Rail-RIA	881814	CARBODIN	Car Body Shells, Doors and Interiors	24	3,549,291.25 €	3,549,291.25 €	3,549,291.25 €	3,549,291.25 €	0.00	3,549,291.25	100.00%
Reserve list	2	11.5	FUNDACION AITIIP	ES	S2R-OC-IP1-01-2019	Shift2Rail-RIA	881789	Com4Rail	Demonstration of innovative solutions for sustainable and cost-effective composites for Railway applications	24	3,549,245.00 €	3,549,245.00 €	3,549,245.00 €	7,098,536.25 €	0.00	3,549,245.00	100.00%
Reserve list	3	11	SEGULA ENGINEERING FRANCE	FR	S2R-OC-IP1-01-2019	Shift2Rail-RIA	881799	ALLEGRO	TOOLING AND PROCESSES FOR NEW RAIL VEHICLES	24	3,499,693.75 €	3,499,693.75 €	3,499,693.75 €	10,598,230.00 €	0.00	3,499,693.75	100.00%
Main list	1	13.5	UNION DES INDUSTRIES FERROVIAIRES EUROPEENNES - UNIFE	BE	S2R-OC-IP1-02-2019	Shift2Rail-RIA	881803	NEXTGEAR	NEXT generation methods, concepts and solutions for the design of robust and sustainable running GEAR	24	2,573,877.50 €	2,573,877.50 €	2,573,877.50 €	2,573,877.50 €	0.00	2,573,877.50	100.00%
Reserve list	2	12.5	ASOCIACION DE INVESTIGACION METALURGICA DEL NOROESTE	ES	S2R-OC-IP1-02-2019	Shift2Rail-RIA	881813	LOCOS4RAIL	LOW LIFE CYCLE COST RUNNING GEAR FOR RAIL VEHICLES	24	2,578,073.75 €	2,578,073.75 €	2,578,073.75 €	5,151,951.25 €	0.00	2,578,073.75	100.00%
Reserve list	3	10	INSTITUTO DE SOLDADURA E QUALIDADE	PT	S2R-OC-IP1-02-2019	Shift2Rail-RIA	881823	NEXT-GEN	Next Generation Running Gear	36	2,557,965.00 €	2,557,965.00 €	2,557,965.00 €	7,709,916.25 €	0.00	2,557,965.00	100.00%
Main list	1	14	ARDANUY INGENIERIA SA	ES	S2R-OC-IP2-01-2019	Shift2Rail-RIA	881775	4SECURAIL	FORMAL METHODS AND CSIRT FOR THE RAILWAY SECTOR	24	549,875.00 €	549,875.00 €	549,875.00 €	549,875.00 €	0.00	549,875.00	100.00%
Main list	1	12.5	UNION DES INDUSTRIES FERROVIAIRES EUROPEENNES - UNIFE	BE	S2R-OC-IP2-02-2019	Shift2Rail-IA	881777	OPTIMA	cOMmunication Platform for Traffic ManAgement demonstrator	33	2,249,897.50 €	1,899,861.25 €	1,899,861.25 €	1,899,861.25 €	350,036.25	2,249,897.50	84.44%
Main list	1	12.5	INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE	FR	S2R-OC-IP3-01-2019	Shift2Rail-RIA	881772	FUNDRES	FUTURE UNIFIED DC RAILWAY ELECTRIFICATION SYSTEM	24	749,540.00 €	749,540.00 €	749,540.00 €	749,540.00 €	0.00	749,540.00	100.00%
Reserve list	2	10	THE UNIVERSITY OF BIRMINGHAM	UK	S2R-OC-IP3-01-2019	Shift2Rail-RIA	881854	AGILITY	Advanced Grid Integration with digital design of Traction power supply	30	749,742.50 €	749,742.50 €	749,742.50 €	1,499,282.50 €	0.00	749,742.50	100.00%
Main list	1	14	UNION INTERNATIONALE DES TRANSPORTS PUBLICS	BE	S2R-OC-IP4-01-2019	Shift2Rail-RIA	881825	RIDE2RAIL	Travel Companion enhancements and RIDE-sharing services synchronised to RAIL and Public Transport	30	2,999,993.75 €	2,999,993.75 €	2,999,993.75 €	2,999,993.75 €	0.00	2,999,993.75	100.00%
Reserve list	2	13	UNIVERSITAT POLITÈCNICA DE CATALUNYA	ES	S2R-OC-IP4-01-2019	Shift2Rail-RIA	881832	TRAC-IT	User-centred and Crowdsourced Intelligent Transport Systems	36	2,999,940.00 €	2,999,940.00 €	2,999,940.00 €	5,999,933.75 €	0.00	2,999,940.00	100.00%
Reserve list	3	11.5	MOBILITY SERVICES HUB MSH GMBH	AT	S2R-OC-IP4-01-2019	Shift2Rail-RIA	881846	Shared2Rail	Shared2Rail – Governing a crowdsourced ride-sharing scheme & Rewarding shared mobility choices	24	2,994,951.25 €	2,994,951.25 €	2,994,951.25 €	8,994,885.00 €	0.00	2,994,951.25	100.00%
Main list	1	14	EVOLEO TECHNOLOGIES LDA	PT	S2R-OC-IP5-01-2019	Shift2Rail-RIA	881805	LOCATE	Locomotive bOgie Condition mAiNtEnance	24	1,499,072.50 €	1,499,072.50 €	1,499,072.50 €	1,499,072.50 €	0.00	1,499,072.50	100.00%
Reserve list	2	13	IKERLAN S COOP	ES	S2R-OC-IP5-01-2019	Shift2Rail-RIA	881818	INNOMATIVE	INNOvative MAintenance solutions for freight locoMOTIVE bogie management	30	1,499,965.00 €	1,499,965.00 €	1,499,965.00 €	2,999,037.50 €	0.00	1,499,965.00	100.00%
Reserve list	3	13	UNION DES INDUSTRIES FERROVIAIRES EUROPEENNES - UNIFE	BE	S2R-OC-IP5-01-2019	Shift2Rail-RIA	881546	BOGIE 4.0	AI-based big data technologies for predictive maintenance of railway bogie	24	1,499,962.50 €	1,499,962.50 €	1,499,962.50 €	4,499,000.00 €	0.00	1,499,962.50	100.00%
Reserve list	4	10.5	THE UNIVERSITY OF BIRMINGHAM	UK	S2R-OC-IP5-01-2019	Shift2Rail-RIA	881853	SMART-PM	Smart Preventative Maintenance	24	1,491,843.75 €	1,491,843.75 €	1,491,843.75 €	5,990,843.75 €	0.00	1,491,843.75	100.00%
Main list	1	14	UNIVERSITÄT BREMEN	DE	S2R-OC-IP5-02-2019	Shift2Rail-IA	881784	SMART2	Advanced integrated obstacle and track intrusion detection system for smart automation of rail transport	36	1,708,737.50 €	1,499,528.75 €	1,499,528.75 €	1,499,528.75 €	209,208.75	1,708,737.50	87.76%

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Reserve list	2	11.5	EVOLEO TECHNOLOGIES LDA	PT	S2R-OC-IP5-02-2019	Shift2Rail-IA	881812	AVOID	AdVanced Obstacle and Intrusion Detection	24	1,744,102.50 €	1,499,917.50 €	1,499,917.50 €	2,999,446.25 €	244,185.00	1,744,102.50	86.00%
Main list	1	14.5	CONSORZIO INTERUNIVERSITARIO NAZIONALE PER L'INFORMATICA	IT	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881782	RAILS	Roadmaps for A.I. integration in the rail Sector	36	299,953.75 €	299,953.75 €	299,953.75 €	299,953.75 €	0.00	299,953.75	100.00%
Reserve list	2	13	ISTITUTO SUPERIOR TECNICO	PT	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881796	AIM-RAIL	A research network on Artificial Intelligence for Maintenance in RAILways	36	300,000.00 €	300,000.00 €	300,000.00 €	599,953.75 €	0.00	300,000.00	100.00%
Reserve list	3	12.5	FONDAZIONE LINKS - LEADING INNOVATION & KNOWLEDGE FOR SOCIETY	IT	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881798	LIQUIDRAIL	AI-based agent for intelligent and real-time control of rail traffic	18	299,937.50 €	299,937.50 €	299,937.50 €	899,891.25 €	0.00	299,937.50	100.00%
Reserve list	4	12	ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTXYIS	EL	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881800	AI4Rail	Artificial Intelligence for the Railway sector	24	300,000.00 €	300,000.00 €	300,000.00 €	1,199,891.25 €	0.00	300,000.00	100.00%
Reserve list	5	11	ZILINSKA UNIVERZITA V ZILINE	SK	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881845	BRAIN	Better Railways with Artificial Intelligence	36	299,532.50 €	299,532.50 €	299,532.50 €	1,499,423.75 €	0.00	299,532.50	100.00%
Reserve list	6	10	THE UNIVERSITY OF BIRMINGHAM	UK	S2R-OC-IPX-01-2019	Shift2Rail-RIA	881828	AI-RAIL	Artificial Intelligence for Rail	36	299,927.50 €	299,927.50 €	299,927.50 €	1,799,351.25 €	0.00	299,927.50	100.00%
Main list	1	11	UNION INTERNATIONALE DES CHEMINS DE FER	FR	S2R-OC-IPX-02-2019	Shift2Rail-RIA	881779	Translate4Rail	Translation for breaking language barriers in the railway field	24	248,093.75 €	248,093.75 €	248,093.75 €	248,093.75 €	0.00	248,093.75	100.00%
Reserve list	2	10.5	THE UNIVERSITY OF BIRMINGHAM	UK	S2R-OC-IPX-02-2019	Shift2Rail-RIA	881849	LINGUA	Language INnovations to GUArantee Safety	24	249,650.00 €	249,650.00 €	249,650.00 €	497,743.75 €	0.00	249,650.00	100.00%
main list	cfm									6	76,846,359.50	57,627,838.22	57,627,838.22		73,235,609.03	130,863,447.25	44.04%
reserve list	cfm									0	0.00	0.00	0.00		0.00	0.00	0.00%
cfm total	cfm									6	76,846,359.50	57,627,838.22	57,627,838.22		73,235,609.03	130,863,447.25	44.04%
main list	oc-									11	17,737,051.25	17,177,806.25	17,177,806.25		559,245.00	17,737,051.25	96.85%
reserve list	oc-									18	28,214,432.50	27,970,247.50	27,970,247.50		244,185.00	28,214,432.50	99.13%
below threshold	oc-									13	13,925,725.25	13,925,725.25	0.00		0.00	13,925,725.25	0.00%
oc total	oc-									42	59,877,209.00	59,073,779.00	45,148,053.75		803,430.00	59,877,209.00	75.40%
main list										17	94,583,410.75	74,805,644.47	74,805,644.47		73,794,854.03	148,600,498.50	50.34%
reserve list										18	28,214,432.50	27,970,247.50	27,970,247.50		244,185.00	28,214,432.50	99.13%
below threshold										13	13,925,725.25	13,925,725.25	0.00		0.00	13,925,725.25	0.00%
total										48	136,723,568.50	116,701,617.22	102,775,891.97		74,039,039.03	190,740,656.25	53.88%