HYBRID PT MODE INTEROPERABILITY AND SUSTAINABILITY (TÓPIC MG 5.5 – 2015 – CSA, 12 a 18 M€; RIA 2 a 4 M€)















FCT Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR





PROJECT_IDEA: HYBRID PT INTEROPERABILITY IN METROPOLITAN AERAS 2015-2020

OBJECTIV: SUSTAINABILITY OF URBAN, SUBURBAN AND REGIONAL MOBILITY; ENERGETIC EFICIENCY; ORDERING AND PLANING OF URBAN REQUALIFICATION; OPTIMIZATION OF SUSTAINABLE URBAN MOBILITY PLANS; OVERCOMING AUTOMOBILE DEPENDANCE

ENTITIES: UNIVERSITIES, INDUSTRY, AUTHORITIES AND PUBLIC OPERATORS

UNIVERSITIES: IST, UNL, KARLSRUHE, LEEDS, IFSTAR, LET, CDV, ISQ

INDUSTRY: AIP, EMEF, ISQ, EFACEC, (THALES, BOMBARDIER, SIEMENS, ALSTOM, SKODA)

AUTHORITIES: AMTL, AMTP; GEMPT; K V V; CTRM; CIM COIMBRA , A'URBA , ADEUS, EMTA , ATM , PRAHA

OPERATORS: CCFL/ML; METRO OF PORTO; MST; MMONDEGO; CP; AVG, TM, RATP, SBB, DPP, UITP; VDV

PRESENTATION OF PROJECT: **RIA part –** 31/03/2015 ; **CSA part –** 27/08/2015 (see pages 68 and 69)

CITIES: LISBOA; PORTO; COIMBRA; MANCHESTER; KARLSRUHE; BORDEAUX; MULHOUSE; SHEFFIELD; STUTTGART; MADRID; LEEDS, PRAGA, PARIS, STRASBOURG

COUNTRIES: PORTUGAL, FRANÇA, ESPANHA, ALEMANHA, INGLATERRA, REPÚBLICA CHECA

DURATION: 4 OR 5 YEARS



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SUB-PROJECTS, RESPONSIBLES

SUB-PROJECT:EVALUATION OF TCSP CORRIDORS / NETWORK AND FARE SYSTEM (IST, LET);(UNIVERSITIES)TECHNOLOGICAL INNOVATION ON ROLLING STOCK/CONVERSORS (IST; UNL; IFSTAR);DECISION MODELS (LEEDS, IST, LET, CDV)

 SUB-PROJECT:
 ROLLING STOCK/CONVERSORS (EMEF, EFACEC; BOMBARDIER/SIEMENS/ALSTOM);

 (INDUSTRY)
 INFRASTRUCTURE /GAUGE/ TRACTION NETWORK (REFER, EFACEC; SBB);

 INDUSTRY IMPACTS (AIP; ISQ; UITP)

SUB-PROJECT:FARE SYSTEM INTEGRATION (AMTL;AMTP; EMTA; RATP; CRTM)(AUTHORITIES)TICKET SYSTEM AND INFORMATION (AMTL; AMTP; K V V; CTRM);INTEGRATION AND DEVELOPMENT OF URBAN RAIL STRATEGY (K V V; GEMPT; AMTP; AMTL;EMTA)

SUB-PROJECT:INNOVATION AND OPERATION/EXPLORATION COSTS IMPACTS (AVG; CCFL/ML; MP;SBB; RATP)(OPERATORS)TIMETABLE SYNCHRONIZATION (ONE TIMETABLE) (CCFL/ML; MP; MST; CP; AVG; DPP; VDV)

1ST PHASE (2015/6): SoA + EVALUATION(PORTUGAL, INGLATERRA, FRANÇA, ALEMANHA, ESPANHA, REP.CHECA)

2ST PHASE (2016/18): RESEARCH (TECHNOLOGICAL PROJECTS; MODELS; PLANS AND DECISION) – RIA part

3ST PHASE (2018/9): DISSEMINATION WITH PROGRAM – PROJECTS AND SUB-PROJECTS – CSA part



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OUT-PUTS:DEMAND MODEL AND SOCIOECONOMIC IMPACT EVALUATIONPROVISIONMODEL WITH "DOOR TO DOOR" SERVICE WITH RAIL/ROAD HYBRID MODE TICKET SYSTEMINNOVATIONTIMETABLESYNCHRONIZATION MODELSCONVERSORSTECHNOLOGICAL INNOVATIONINTEROPERABILITY OF URBAN RAIL HYBRID MODE IMPACTSINNOVATION OF THE TECHNOLOGIC SIGNALISATION SYSTEM AND RAIL INFRASTRUCTURESUMPs AND DECISION-MAKING MODELSHYBRID MODES IMPLEMENTATION METHODOLOGICAL GUIDEBOOK (SAFETY)HYBRID MODES TECHNICAL REFERENCES FOR TENDERS

THANKS FOR YOUR ATENTION





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