

Roman Matkovskyy

Catarina Silva

STSM–
CA19130



STSM Purpose

- Short Term Scientific Missions (STSM)
 - institutional visits aimed at supporting **individual mobility**
 - **fostering collaboration** between individuals
 - **strengthening existing networks** by contributing to the scientific objectives of the COST Action
- The visit to a host organization located in a **different** country than the country of affiliation by a Researcher or Innovator includes the specific work to be carried out for a determined period of time

Applicants must be

- students part of a PhD programme, or
- postdoctoral fellow or
- can be employed by (or affiliated to) an institution, organization or legal entity which has within its remit a clear association with research

Home institution

- The Home institution of the applicant should be
 - located in a Participating COST Full Member/COST Cooperating Member
 - As of today: 40 Members, 1 Cooperating Member (Israel) and 1 Partner Member (South Africa)
 - action MC observer from a NNC (Near Neighbour Countries) Institution
 - located in an Approved European RTD Organisation
 - Details : <https://www.cost.eu/about/members/>

Host institution

- The Host Institution should be
 - located in another Participating COST Full Member/ COST Cooperating Member
 - located in a Participating COST Partner Member,
 - an Approved International Partner Country Institution,
 - an Approved NNC Institution,
 - the EU Commission or a EU Body, Office or Agency,
 - an Approved European RTD Organisation, An Approved International Organisation
 - located in a Participating COST Full Member/ COST Cooperating Member
 - located in a Participating COST Full Member/ COST Cooperating Member

Scope

- STSM proposal shall be in line with:
 - **the FinAI COST Actions' and WGs' objectives and topics** (<https://fin-ai.eu/working-groups/>)
 - **Expected deliverables:**
 - Strategy to engage stakeholders in the Action (including revisions in month 24 and 36)
 - Report on good examples and best practices for a transparent finance industry with guidelines to improve transparency
 - A database which contains pre-ICO documentation and post-ICO performance (ROI and lifespan)
 - A database which contains data on crowdfunding/P2P platform features useful for rating platform integrity and to predict fraud
 - A discussion paper for possible approaches to building a statistically valid back-testing framework
 - An internal database of collected (scraped) financial time series from exchanges and regional consolidation platforms optimised for accessibility to all partners
 - Discussion papers (DP) on the methodology for evaluating/rating ICOs and crowdfunding/P2P platforms and for detection/early warning about fraud/illegal behaviour with emphasis on the application of AI tools
 - Position papers, aimed at regulators and policy-makers, on methodology (with examples of formal criteria) for testing AI techniques in real-time
 - Handbook and/or wiki page describing potential approaches to tackle risk management issues related to blockchain assets and crowdfunding/P2P lending
 - A position paper and roadmap on mitigating risks connected with the increased use of digital assets
 - Methodological discussion paper on the design of stress tests for the evaluation of AI and ML models under shifting financial conditions to improve the robustness of models
 - Methodological discussion papers on AI models to generate “failed trials” of investment product producers and on quantitative strategies with the usage of the promising field of network data analysis
 - Four annual reports (for lay audience) distributed via local and national media
 - Key software (codes, packages) developed by each of the Working Groups in line with their objectives
 - An edited volume containing scientific achievements of the Action (dummy text to delete)
 - **at least one of the UN 17 Sustainable Development Goals** (<https://www.un.org/sustainabledevelopment/>) [desirable]

Budget

- A contribution for travelling, accommodation and subsistence expenses, implementation of the project, delivery of the report to the COST Action MC and overall effort.
- Applicants should rationally evaluate their budget request based on a cost/benefit analysis.
- Expenses should be defended based on the perceived cost of living in the host country/city.
- Maximum Amount (EUR) : Up to EUR 3 000,00 per grant
- Duration: min. one week (5 working days) up to max. 6 months.

STSM Evaluation

Alignment with Action and WGs' objectives and topics (0-5)

alignment with diversity goals (0-1)	contribute to WG deliverables (0-2)	alignment with the WG objectives (0-2)
--------------------------------------	-------------------------------------	--

Scientific quality of the proposal and expected impact (0-4 points)

Relevant Research question/hypothesis based on presented research gap (0-1)	Relevant methodology (0-1)	Originality and realism of the work plan (0-1)	Potential impact (planned conference/workshop presentation, working paper/final draft for a journal submission) (0-1)
---	----------------------------	--	---

17 Sustainable Development Goals (0/1)	Academia-industry or academia-regulatory-institution STSM (0/1)
--	---

STSM Evaluation

CV of the applicant, 0-6 points

Young researcher (<8y of research experience) (0/1)	Relevant background (in line with a research proposal)) (0-1)	ITC applicant (0/1)	ITC Host (0/1)	Has PhD (0/1)	Author/Co-author min one research article published in the last 3 years (0/1)
---	--	---------------------	----------------	---------------	---

ITC - Inclusiveness target countries: Albania, Bosnia and Herzegovina, Bulgaria, Cyprus, Czech Republic, Estonia, Croatia, Hungary, Lithuania, Latvia, Luxembourg, Malta, Moldova, Montenegro, Poland, Portugal, Romania, Slovenia, Slovakia, Republic of North Macedonia, Republic of Serbia and Turkey.

Application - deadlines

