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White paper: Good practices of coordination within and across e-Infrastructures and thematic Research Infrastructures (RIs)

Tuesday, 19 October 2021 11:45 (25 minutes)

The presentation will provide insights on the first iteration of new e-IRG White Paper 2021 that is entitled “Good practices of coordination within and across e-Infrastructures and thematic Research Infrastructures (RIs)”, while the overall White Paper (with more iterations planned later in 2021) is entitled “Vision for an inclusive and holistic e-Infrastructure ecosystem for the European Research Area”.

Following a series of efforts on national coordination (e-IRG Roadmap 2016, e-IRG National Nodes paper in 2019), the e-IRG has worked further on coordination practices at institutional, national and regional (cross-country) levels.

Coordination paradigms and practices are presented around Europe within e-Infrastructures, across e-Infrastructures and thematic RIs and on open science, covering aspects like ownership/governance, organisation (top down/bottom up, distributed/centralised), funding/cost sharing, resource sharing/access policies and the impact of national RI roadmaps in the country organisation.

Hybrid models of incentivising both e-Infrastructures and thematic RIs are presented, so that the latter requirements (eNeeds) are well captured by the e-Infrastructures. The first iteration is expected to be finalised in October 2021. The presentation will be made by a relevant e-IRG Working Group member. This document is relevant to the EOSC Secretariat study on NOSCI, although e-IRG remit is broader covering also other areas such as networking and HPC.

Impact: European structures such as EOSC are based on a chain of institutional/national/regional structures. The paper highlights this federation chain and the importance of institutions being well represented by their national structures at EU level. The e-IRG paper is thus relevant to NOSCI. Although no one size fits all, the different paradigms presented and the analysis performed can inspire other countries to use models that may be relevant for them and help NOSCI to be better prepared for EOSC.

About the speaker

Dr. Fotis Karayannis is an international vendor with more than 25 years of experience in the Information and Communication Technologies domain, focusing mainly on research infrastructures, and in particular on networking, computing and data electronic infrastructures.

He received his PhD in 1998 in the fields of Integrated Communications and Management of Broadband Networks from National Technical University of Athens, Greece. He has worked for major commercial or research entities such as OTEPlus (ex-incumbent telecom operator consulting company), the Greek Research and Technology Network GRNET (GR) for 8 years, the IT department of the European Organisation for Nuclear Research CERN (CH) for 2 years, the Czech Research Network CESNET (CZ) for 2 years, Trust-IT Services for 2 years, Microsoft Research Cambridge (UK) and Microsoft Innovation Center Greece for 8 years, The Netherlands Organisation for Scientific Research - NWO (NL) for 5 years, ATHENA Research Center for 10 years, Athens University of Economics and Business (GR) for 3 years and the UK Research and Innovation/Science and Technology Facilities Council (UK) for 8 years.

He has worked for major research/electronic infrastructure initiatives such as the Pan-European Research Network GEANT, The Advanced Computing Infrastructure for Research EGI, the PRACE Supercomputing Research Infrastructure, the e-Infrastructure policy body e-Infrastructure Reflection Group (e-IRG), both as a delegate (5 years) and a member of its secretariat (15 years), the Support to the Reinforcement of the European

Strategy Forum For Research Infrastructures (StR-ESFRI and StR-ESFRI2) and the Research Data Alliance Europe (RDA-Europe) project series (RDA Europe-RDA-Europe 4). He served as the coordinator of the e-FISCAL project on estimating computing costs of major e-Infrastructures and also of the ICRI2014 project, responsible for organising the International Conference on Research Infrastructures in 2014. He has also acted as an expert and deputy national delegate in the FP7 Program Committee on Research Infrastructures (2 years). He endeavoured entrepreneurial activities in the area of big data analytics and cloud computing brokerage as the founder and director of Uranus Computing Limited and shareholder of Innov-Acts Limited.

He authored the document “A Marketplace for e-Infrastructure services”, which constituted the basis for the definition of the European Open Science Cloud (EOSC). He also acted as a member of the evaluation committee for the assessment of the EOSC first phase in June 2020.

Most suitable track

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Presenter: KARAGIANNIS, Fotis (Independent)

Session Classification: Envisioning the Future - Presentations