

Open Science and Research Assessment

Workshop

19 May 2025

Prof. Ana Proyкова, Sofia University St Kliment Ohridski

A



SOFIA UNIVERSITY
ST. KLIMENT OHRIDSKI



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the REA. Neither the European Union nor the granting authority can be held responsible for them.



**Funded by
the European Union**

The state of university approaches to research assessment (2019 EUA Open Science and Access)

Three main purposes of university research assessment:

- research careers,
- research unit performance evaluation, and
- internal research funding allocation.

In summary, university approaches to research assessment are primarily, but not exclusively carried out **at institutional and faculty/department level.**

Metrics - research career (1)

- *number of publications and citations* are either 'very important' or 'important'
- *qualitative*, peer-reviewed assessment (**less**)
- research impact and knowledge transfer indicators- IPR, patents, licenses (**lesser**)

Metrics - research career (2)

Not important / less important

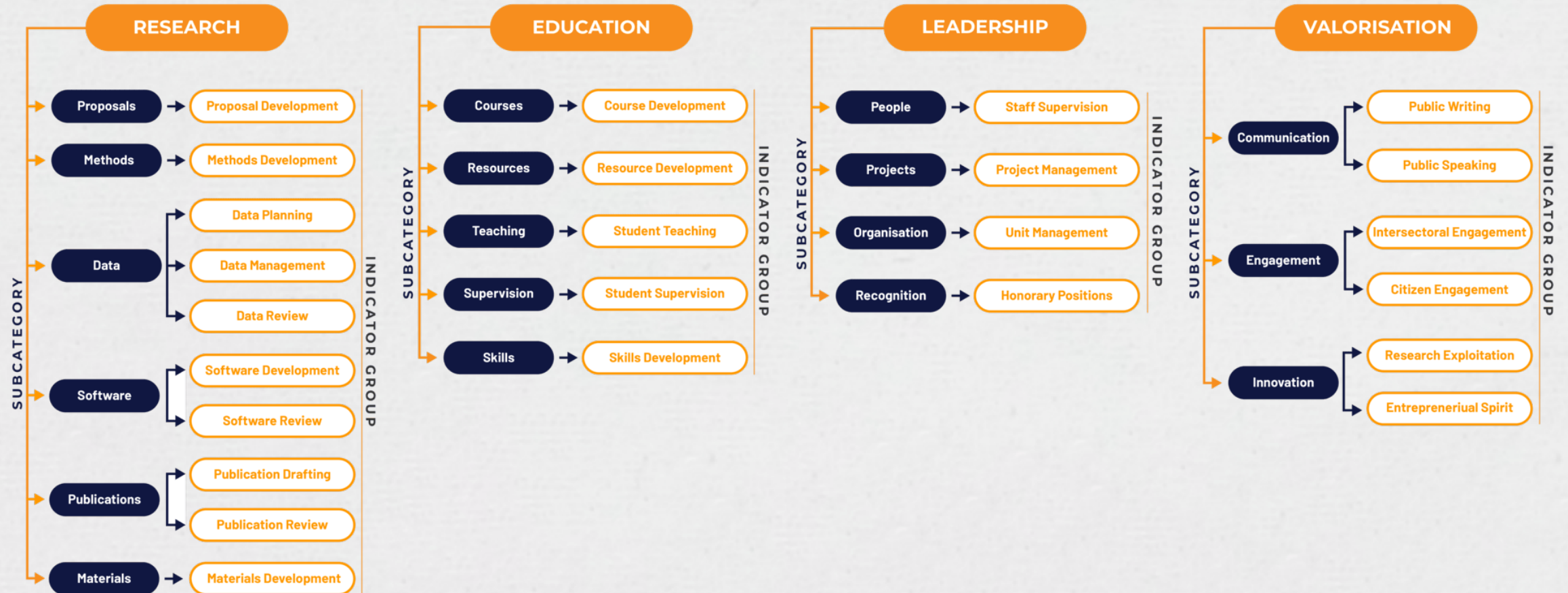
- Open Science and Open Access indicators
- Altmetrics measuring the societal outreach
- Metrics measuring academic attention and uptake based on number of views and downloads

Open Science calls for Rethinking Assessment

Researcher Assessment Framework - RAF :)

OPUS (Open and Universal Science, EU funded):
The RAF is structured around 4 main categories of activities, which are divided into subcategories of these activities and consist of indicator groups of related indicators/metrics.

OPUS FRAMEWORK



Sofia University - Open Science projects and activities (1)

2019 the award and the rights to use the „HR Excellence in Research“ logo.

2019 RDA Europe => node <https://rda.bg/>

2020 EOSC A, full member

2021 EUA membership => PhD progress assessment at departmental level including open data deposited in the repository

June 30, 2021, was adopted the Strategy for the Development of Human Resources in Science and Innovation at Sofia University "St. Kliment Ohridski " for the period 2021-2030

Sofia University - Open Science projects and activities (2)

EU projects hosted at the SU

ORBIT (2024 -)

AURA (2025 -)

SU professors are active in promotion of the Open Science in research and education

Assessment of Researchers at SU: to be considered for the next annual assessment

Participation in:

- EU & national projects
- outreach activities
- open days - open laboratories
- public talks

Overload of researchers in STEM

- research
- teaching and advising PhD students in addition to BS/MS lecturing
- accreditation activities

50% Digital Europe - 50% Ministry Education and Science project (1.01.2023 - 30.06.2026)



- NCC-Bulgaria consist of **three** pillars: HPC / HPDA / AI

IICT-BAS coordinates the consortium, hosts two supercomputers listed in the TOP500

University of National and World Economy - Digitalisation of Economy

Sofia University offers expertise in HPC-AI convergence, Big Data Analytics, open access to local HPC resources for the trainees

Training Programs Overview

- *SMEs at the beginning of HPC journey for different sectors*
(life sciences, manufacturing, automotive, transport and energy industries) - web pages of NCC-BG and HPC portal - invitations & agenda
- *Academia teams running HPC projects* - supercomputing and storage resources
- *Training for public administration in emerging technologies* - AI-HPC accelerators; pairing quantum computing systems with modern HPC infrastructure; containers for HPC systems

Sofia University St. Kliment Ohridski

SOFIA UNIVERSITY
ST. KLIMENT OHRIDSKI



Roles at the EUMaster4HPC project (1.01.2022-31.12.2025)

- **AWARDING UNIVERSITY - double degree diploma- 8 universities**
- Leads the *Development of a roadmap of the pan-European education programme in HPC*
- *Develops an action plan to connect HPC courses to the pilot programme for 16 supporting universities all over Europe*
- *Provides masters' courses in Quantum Informatics*

Sofia University is the host of

- the first *big data Centre of Excellence in Eastern Europe-GATE*
- the Institute for Scientific Research in Computer Science and Artificial Intelligence - INSAIT
- the Centre of Excellence Universities for ScieNce, Informatics and Technologies in e-Society (UNITe) -> UNITe-2 (2025 - 2029)

THANK YOU!

anap@phys.uni-sofia.bg