



The European Council of Doctoral
Candidates and Junior Researchers

Building Open Science in Europe: The
road ahead for the EOSC community
and the EU Member States



Eurodoc
Developing the EOSC portal for the
benefits of the user communities

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- Federation of 28 national associations for Early-Career Researchers (ECRs) in Europe
- Registered non-profit organization established in 2002 and based in Brussels
- Independent, self-financed and run exclusively for & by ECRs in Europe in voluntary capacity



- (1) Represent ECRs on matters of education, research & career development in Europe
- (2) Advance the quality of doctoral programmes & improve working conditions for ECRs in Europe
- (3) Share information, raise awareness, organise events, join debates & shape policies for ECRs in Europe
- (4) Establish & promote cooperation between national associations for ECRs in Europe

- Eurodoc supports the EC's vision to open up research & innovation through Open Innovation, Open Science and Open to the World
- Researchers are unaware of OS practices & policies, are not receiving enough training, are not using standardized guidelines, metadata, Data Management Plans (DPM) as a EC survey shows*
- <<FP9 should create a fourth pillar of Open Science which will directly fund the further implementation of Open Science and specifically raise awareness and train and support researchers in Open Science so that they are fully prepared>> **

* "Providing researchers with the skills and competencies they need to practise Open Science" (European Commission, WG on Education and Skills under Open Science) – July 2017

** "Eurodoc statement on Framework Programme 9" - December 2017

- Establishment of the Open Science WG aimed to discuss topics related to OS & share information
- Statement on PlanS (with MCAA and YAE)
- Open Science Ambassador training: educate and train ECRs as well as inform and engage research stakeholders about OS (with FOSTER):
 - Open Access/Plan S, Open Licensing, Open/FAIR Data, Data Management, Open Peer Review, and Open Source
 - webinars by experts from Go Fair, Science Europe, SPARC Europe, EOSC, DG RTD, CERN and others
- Collaboration with projects on OS/EOSC

- **HNSciCloud: Helix Nebula Science Cloud**
 - testing the voucher scheme



- **OCRE: Open Clouds for Research Environments**
 - testing the voucher scheme:
 - definition of application criteria
 - selection of candidates
 - distribution and monitoring of vouchers



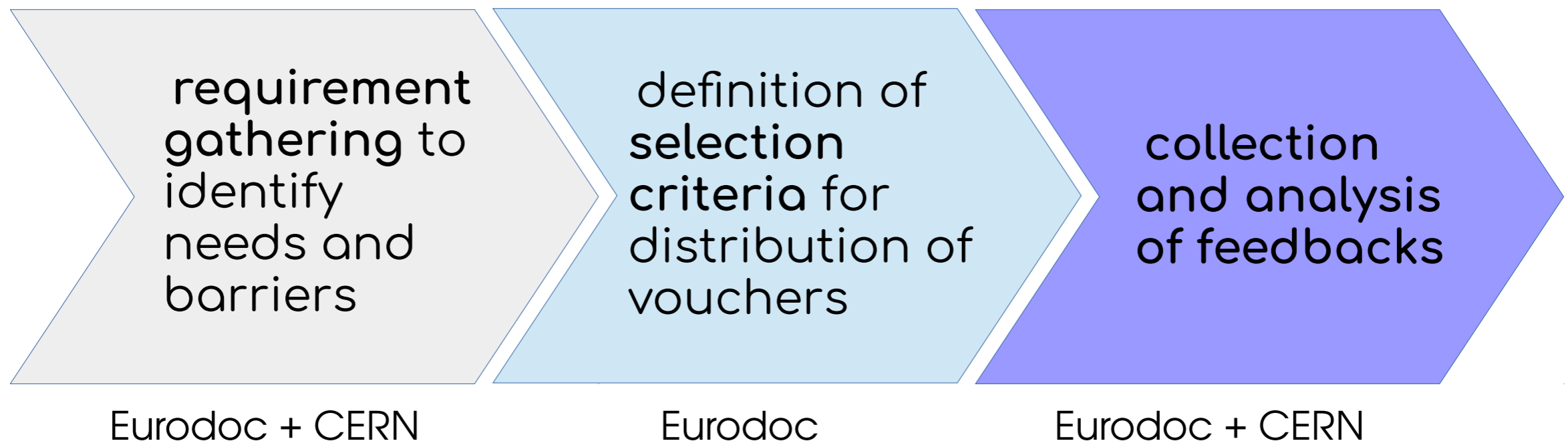
- **CatRIS: Catalogue of Research Infrastructure Services**
 - Feedback on validation of offered services





Goal: support the testing of the voucher scheme for cloud services by European ECRs

- 50k€ of free vouchers to distribute among ECRs for a variety of commercial cloud services



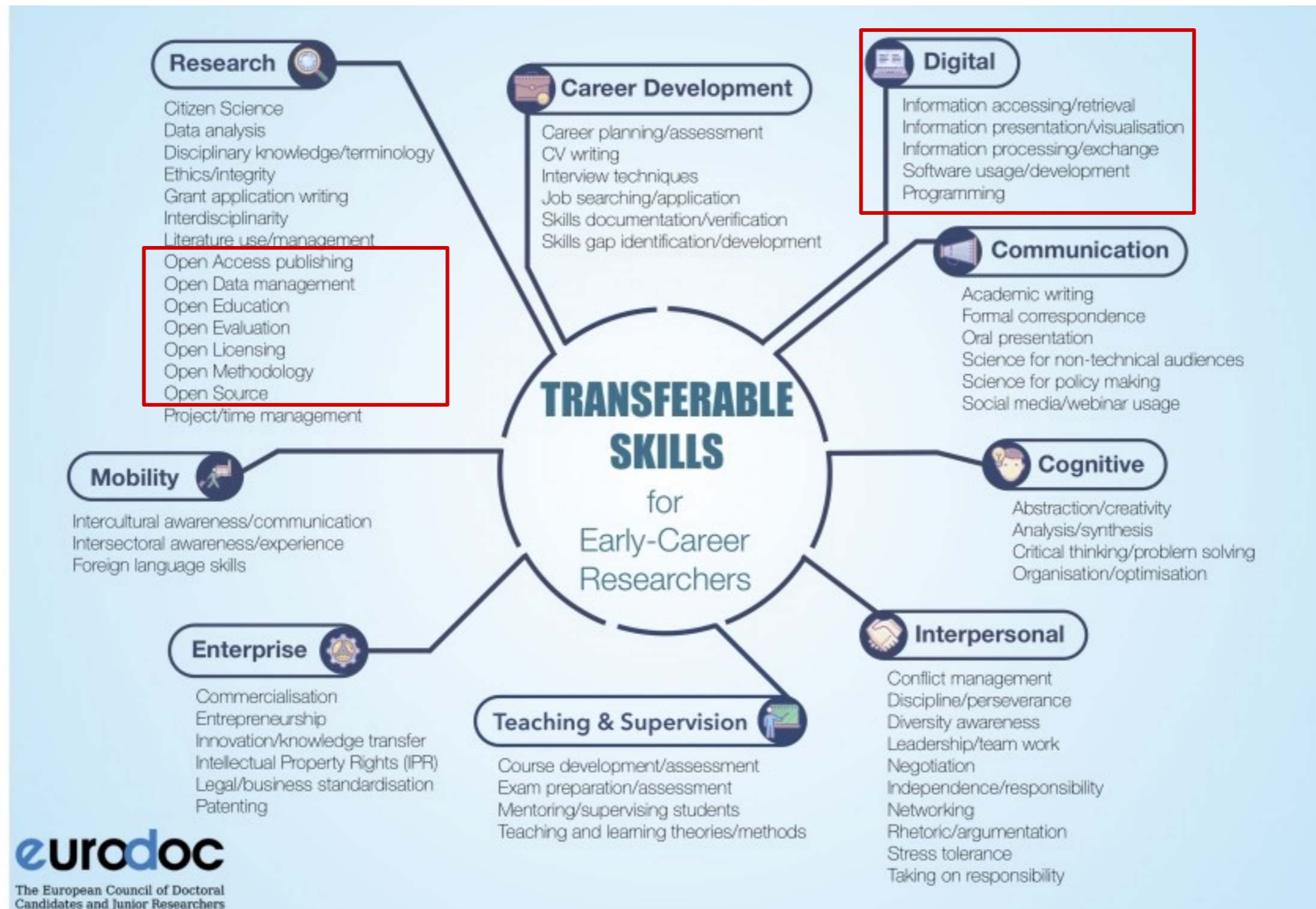
How can the EOSC Portal help researchers in the future?

- By providing an integrated space to share knowledge products and collaborate inside and outside the scientific community
- By enabling access to a plethora of services for computation, management and analysis of research data
- By helping to overcome technological limitations, e.g.:
 - lack of in-house top-notch technologies (hw & sw)
 - lack of advanced training of IT staff
 - limited budget for maintenance/update/repairment of research equipment

What are the most needed elements which various EOSC related projects should focus on? (1)

- Usability for researchers with different backgrounds & inclusion of non-technological research fields (risk of digital divide)
 - Lack of skills & need for specific training on Open Science related topics and EOSC technologies
 - Design clear use cases for different user profiles

EOSC: perspectives and needs



What are the most needed elements which various EOSC related projects should focus on? (2)

- Data management issues: data control, privacy management (data owners, licences, different access rights), need for clear guidelines for data management
- Easy and flexible integration of existing dataset/code/workflows into the EOSC ecosystem
- Sustainability in the long term
- Focus on rewards/incentives for researchers to start using the services

Our current and future contribution:

- Keeping ECRs in the loop: sharing information and raising awareness on EOSC and Open Science
- Providing feedback on effectiveness, efficiency, user experience of technical infrastructures & services from the community of ECRs:
 - supporting testing of platforms and services
 - helping spreading surveys among our members
 - possible more structured collaboration with EOSC



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Thanks for your attention!

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