



# E-Portfolio as a Component of the Information and Analytical System of Scientific Staff Training



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# Relevance. Purpose of transdisciplinary research.

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## Conditions:

Force majeure - extreme danger to human life (the COVID-19 pandemic, martial law, etc.); transformational educational changes; remote mode of the research process; digitalization of society, etc.

## Tasks:

Preservation of values, adaptive support of scientists, creation of effective remote communications and comprehensive support of relationships with them. The main goal of the author's research is the activation of the problem of information analytics in the system of Training Scientific Staff and the development of a new methodology for building information systems in this field, which will ensure the integrity of the process of forming intellectual potential.

## Research vector:

Aimed at the rationality of the organization of the Training of Scientific Staff in the conditions of the Information and Analytical System, in particular, the development of the resource of its effective component - the e-Portfolio.

## Opportunities:

The transformation of accumulated information into the electronic form will facilitate the transition to the creation of fundamentally new types of information resources.



# The concept of creating an Eco-Environment of the IAS for the Training of Scientific Staff

- **Methodological Stage** - the relationship and interaction of innovative approaches to solving the problem of the formation and development of scientific skills in the conditions of open science;
- **Theoretical Stage** - determines the system of basic definitions, regularities, and principles outlining the importance of the implementation of IT in the scientific-educational and information-analytical processes of learning and the deepening of scientific knowledge from in the conditions of the Eco-Environment of the IAS for Training of Scientific Staff in HEI/RI;
- **Methodical (Practical) Stage** - description and development of the methodology for creating IAS for the Training of Scientific Staff taking into account the specifics of the e-Portfolio, determining the stages of its convergent implementation and supporting functioning, taking into account transdisciplinary relationship.



# The main methodological approaches to the development and functioning of the e-Portfolio in the structure of the IAS for the SST

**Methodological approaches:**

**System**  
(including technological)

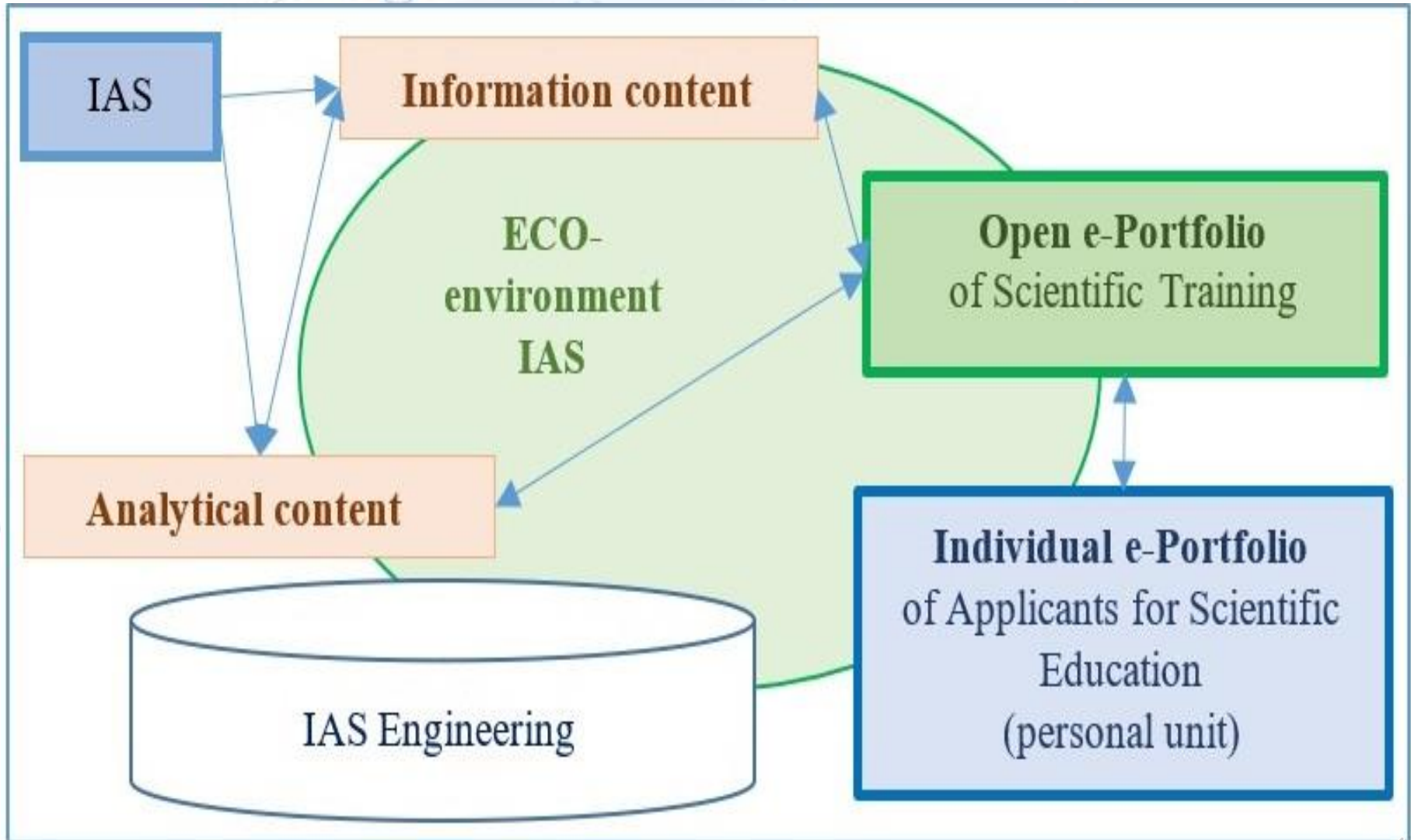
**Transdisciplinary**  
(including adaptive, ontological)

**Competence**  
(including diagnostic)

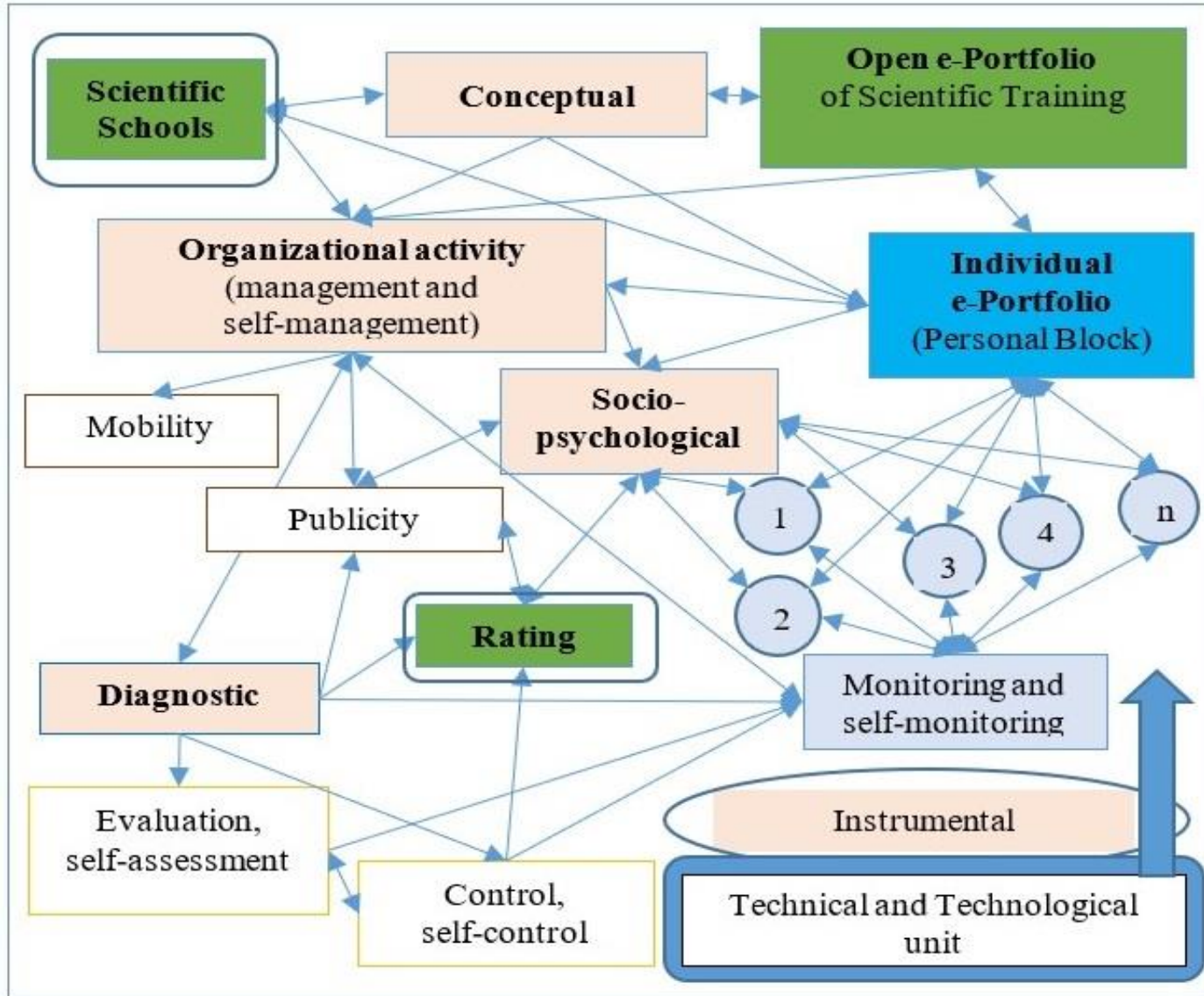





# General Structure of Transdisciplinary IAS



# Structural and Logical Model of Open e-Portfolio of SST in the Transdisciplinary IAS



# Conclusions:

1. SST in the conditions of modern educational transformations takes place in a mixed form, in particular by remote means, the qualitative experience of application of which is actively gained during the introduction of quarantine from the pandemic COVID-19. In this context, it is important to preserve the integrity of the research system and find rational approaches to the self-organization and self-development of applicants for scientific education (undergraduates, graduate researchers, doctoral researchers, etc.).
2. Traditionally, the SST is carried out in HEI or RI and of branch academies, in state research institutions. Of course, the main departments in this sense are postgraduate and doctoral studies, admission to which is regulated by current legislation. The process of SST is the development of specific knowledge of the applicants for scientific education in relevant fields, the basis of which is based on the classification of sciences, which is integral to the formation of new scientific knowledge, determined by a particular speciality and specialization. However, specialities as scientific areas are components of natural sciences, humanities and technical sciences.
3. Analytical conclusions based on the results of the research once again confirm that in the system of SST it is important to provide each applicant for scientific education with scientific education and adaptive conditions for acquiring the appropriate level of theoretical knowledge and practical competencies in the research implementation of and their product quality organization.
4. Given that the current state of systemic educational transformations encourages the scientific and educational staff of the HEI and RI to organize effective information and analytical support for research activities of applicants for scientific education, updating scientific and methodological support for training in the digitalization of modernization and reform the educational field is considered relevant and timely. An important role in this context is played by the e-Portfolio as a component of the IAS for SST 

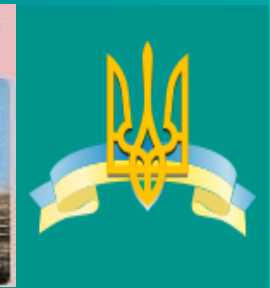
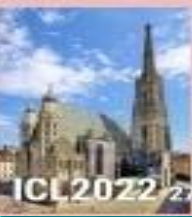


# Forecasts and prospects:

- The presented approbation applied aspects of the author's research are at the stage of ascertainment.
- The further results of the analytical-synthetic and formative stages of the presented doctoral research move into the phase of experimental tests.
- The advice and suggestions of the international scientific community are expected to continue analytical investigations and improve the predicted results of the presented transdisciplinary research on improving the methodology of creating IAS for the training of scientific personnel.







**The report is over  
Thank you for your  
attention !!!**

