



Doctorate in Universities of Excellence

Research Assessment and Support for Scientific Publishing

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Project co-financed through European Social Fund by Sectoral Operational Programme Human Resources Development 2007-2013



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- 1994 The National University Research Council is created
- 1995 Peer review evaluations
- 1996 – 2002 World Bank grant (Master and Doctoral programs, research programs and multiple users databases)
- 2003 – 2010 *Quality Indicator 6*
- 2006 – 2008 Formative and interdisciplinary research platforms
- 2007 Governmental Decision 551
- 2007 – 2010 *Ideas and Human Resources* programs

2009 – 2011
**National Assessment Exercise – Strategic Project
“Doctorate in Universities of Excellence”**

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Quality Indicator 6

Focus points:

- Capacity to attract funds through national and international competitions along with projects in partnership with third parties
- Preparing the research human resources
- Quality and visibility of the research output
- Developing innovative products and technologies for the business sector
- Institutional support for research activities



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Strategic Project “Doctorate in Universities of Excellence”

Objectives

- Building, testing and implementing a methodology for the topical, international assessment of the quality of university scientific research
- Building and testing the methodology to set up an Excellence Program in Romanian universities
- Increasing the editorial strength of 30 Romanian journals so that they enter scientometric databases
- Instructing 1000 young doctoral students in scientific authorship so that they can publish in high-impact journals

Expected results

- Topical rankings of Romanian universities
- A reference frame for financing strategic programs
- The Romanian Editorial Platform (REP)
- A higher number of high-impact Romanian journals
- Training sessions on scientific authorship



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Consultative group of stakeholders

International Steering Committee

Executive management of the project

Research
assessment,
set of panels

Research
assessment,
panels

Large group of experts on research
assessment

Workgroups

International experts on
assessing the quality of
university research

International experts on
excellence program

Experts on editorial
capacity

Experts on scientific
authorship



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- I. DEVELOPING the general methodology for the assessment of university research ... → **October 2009**
- II. DEVELOPING domain-specific assessment methodologies ... → **May 2010**

Criteria, indicators and procedures

Debate and validation in the
scientific community

Implementation and test... → **May 2010**

National Assessment Exercise
May 2010 – October 2011

International
experience

III. DEVELOPING the e-platform to support the
assessment process **June 2009 – November 2011**

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Assessment panels

P0

Central panel

People: 8 (Romanians) + 7 (foreigners)



- I. Analysis of international experience
- II. *General assessment methodology (v0)*
 - General criteria and indicators
 - Consistent assessment procedure

P 1 ... P6

6 Panels on sets of research domains

People: ~ 6 Romanians

P_{ij}

42 Panels on specific domains of research

People: ~ 42 x 10
(5 Romanians, 5 foreigners)



Specific assessment methodologies

- I. Specific criteria and indicators
- II. National Assessment Exercise (NAE)
 - NAE – Analysis and verification of the evaluation dossiers*
 - NAE – Assessment of scientific research*
 - NAE – Evaluation reports on domains of research*
 - NAE – Ranking of universities on domains of research*



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National Assessment Exercise

Assessment criteria

1. Research output (50 – 70 %) – no more than 3 indicators,
2. Research and creative environment (10 – 30 %) – no more than 4 indicators,
3. Peer recognition (5 – 15 %) – no more than 3 indicators,
4. Financial resources (5 – 15 %) – 1 Indicator.

Characteristics

- The weights of these criteria will be determined by each assessment panel
- Limited number of indicators for evaluation of each criteria
- Specific assessment methodologies will be developed for each of 42 domains
- Both qualitative and quantitative assessment
- Domain-specific panels of national and *international* experts



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Criteria – Descriptors – Indicators

I. Research and creative output

Weight: 50-70%

Descriptors:

- Articles
 - Web of Science journals
 - Journals classified as B+ by the Romanian National University Research Council
- Research books
- Patents
- Any other output from Arts and Architecture subject to intellectual rights which involves creation as part of creation and/or innovation
- Products and services which have a demonstrable economic impact

Indicators:

No more than 3 indicators



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Criteria – Descriptors – Indicators

II. Research and creative environment

Weight: 10-30%

Descriptors

- Translations, anthologies and editorships
- PhD supervision
- International research and creative meetings
- Mechanisms for attracting young researchers
- Financial university support towards research in paramount research fields assumed through national strategies
- Investment programs in laboratories/workshops equipped with the infrastructure specific to scientific research/ artistic creation
- Access to specialized literature
- Support of postdoctoral programs

Indicators:

No more than 4 indicators



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Criteria – Descriptors – Indicators

III. Peer recognition

Weight: 5-15%

Descriptors:

- Invited articles to prestigious international conferences
- Invited professorship at prestigious universities
- Administrative positions in international professional organizations
- Translations of scientific contributions published at foreign publishing houses
- Citations and reviews
- Membership in the Romanian Academy, branch academies and foreign academies
- Referee for prestigious publishing houses and Web of Science journals
- Membership in the Board of Web of Science journals

Indicators:

No more than 3 indicators



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Criteria – Descriptors – Indicators

IV. Attracted funds

Weight: 5-15%

Descriptors:

- Funds attracted for research and creative activities through
 - National competitions
 - International competitions
 - Direct contracts with third parties
- Funds attracted through innovative/creative services and/or products

Indicators:

1 indicator



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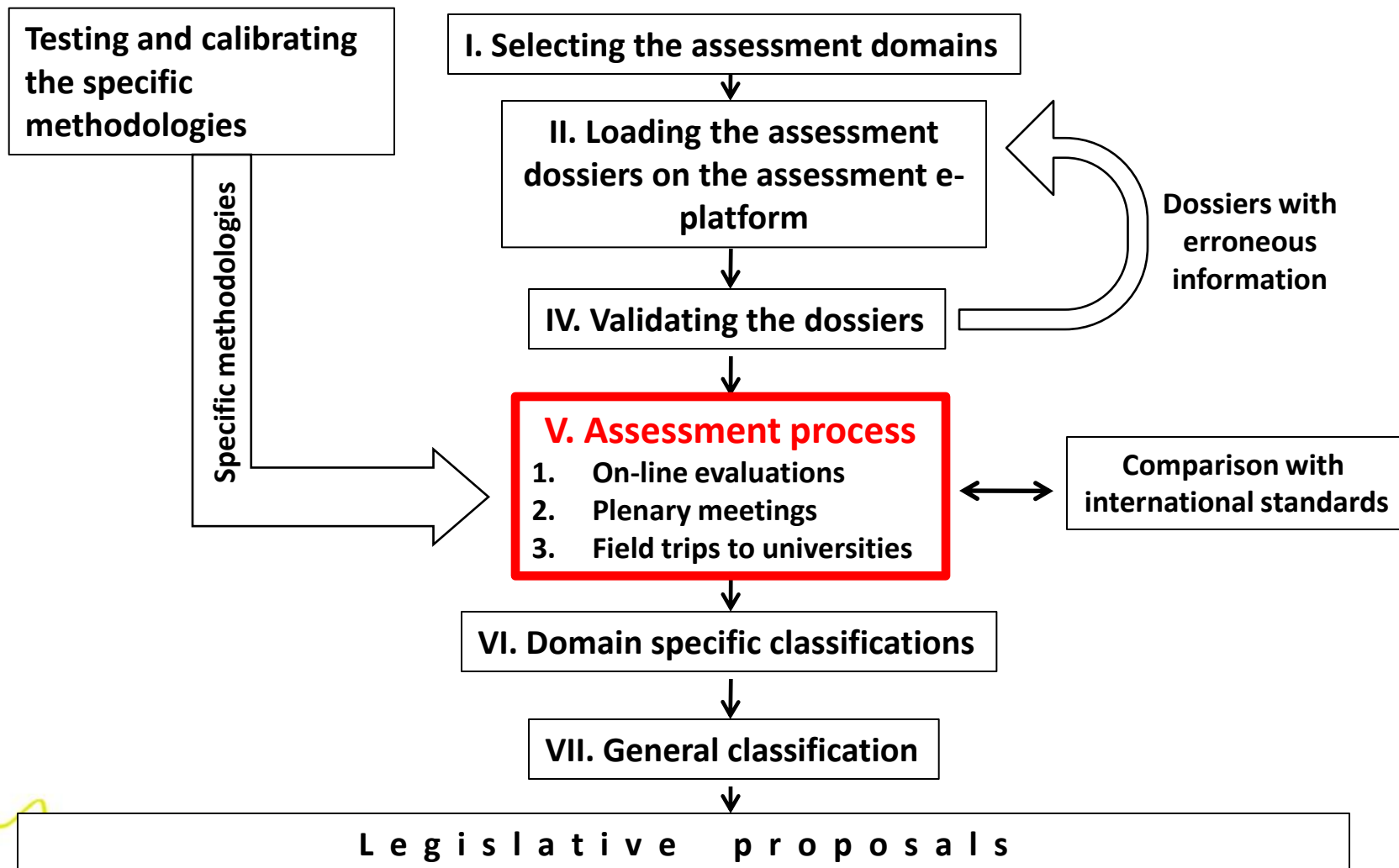
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National Assessment Exercise





Open topics

- Broadness of the assessment criteria
- Possible problems in implementing the assessment methodology
- The correlation between research funding and the quality of scientific research
- Classification of universities
- Universities of Excellence



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