IOCB PRAGUE

Directive S2025-04

7 April 2025

Quantitative Evaluation of the Performance of Research and Research-Service Groups

Evaluation Methodology

The quantitative evaluation of the performance of research and research-service groups is used for the periodic monitoring of the publication and application activities of the groups. The evaluation is done annually, always at the beginning of February.

The performance of a group is calculated for the period of the last three years (evaluation period). The evaluation can only include such outcomes that have been registered in the ASEP (Automated Publication Registration System) database.

The Group Performance Calculation Method

Group performance is numerically evaluated by means of the group performance index (GPI) based on the formula:

$$GPI = J + B + C + D + P + T + S$$

J = articles published in a high-impact journal; the numerical value of **J** evaluates the publication activity of the group.

$J=\Sigma IF \times$ (contribution to the publication),

including the sum of all the publications issued in the period in question in which the members of the group concerned contributed as part of their employment with the IOCB (publications indicate their full affiliation with the IOCB). **IF** is the **impact factor** of a journal according to the ISI for the year of publication (or the last known IF if the IF for the year of publication is not known yet) or the real impact factor of the publication for the period evaluated. The **real impact factor** is the number of independent citations of given publication during the evaluation period divided by the number of years since its publication (this number does not include the year of publication). The group leader documents the citation rate of the publication based on the Web of Science. Self-citations (of one's own articles as well as those by the co-authors) do not count.

The contribution to the publication equals the fraction: the number of authors from the group being evaluated / the total number of authors of the publication. The contribution to the publication equals **one** if the first and/or the corresponding author are members / is a member of the respective group.

B = specialized books; the numerical value **B** is determined using the equation:

$B=\Sigma 2.5 \times$ (contribution to the book) for a Czech book

B=Σ5 x (contribution to the book)	for a foreign-language book,

including the sum of all the books published in the period in question in which the members of the group concerned were involved. **The contribution to the book** equals the fraction: the number of authors from the group being evaluated / the total number of authors of the book. The contribution to the book equals **one** if the first and/or the corresponding author (if the correspondence author is listed) are members / is a member of the respective group.

C = chapters in the book; the numerical value of **C** is determined using the equation:

C=Σ1 x (contribution to the book)	for a Czech book
C=Σ2 x (contribution to the book)	for a foreign-language book

including the sum of all the books published in the period in question in which the members of the group concerned were involved. **The contribution to the book** equals the fraction: the number of authors from the group being evaluated / the total number of authors of the book. The contribution to the book equals **one** if the first and/or the corresponding author (if the correspondence author is listed) are members / is a member of the respective group.

D = an article in a collection (not including collections only publishing article abstracts); the numerical value **D** is determined using the equation:

D=Σ0.1 x (contribution to the article)	for a collection in Czech,
D=Σ0.2 x (contribution to the article)	for a collection in a foreign-language,

including the sum of all the articles published in the period in question in which the members of the group concerned were involved. **The contribution to the article** equals the fraction: the number of authors from the group being evaluated / the total number of authors of the article. The contribution to the article equals **one** if the first and/or the corresponding author are members / is a member of the respective group. If the collection comprises conference proceedings, the contribution to the article equals **one** if the author is the presenter.

P = utility and industrial design, patent granted or concluded license or equivalent contract; the numerical value **P** is determined using the equation:

P=Σ0.2 x (contribution of inventors)	for a utility and industrial design,
P=Σ2 x (contribution of inventors)	for a patent granted in the Czech Republic,
P=Σ10 x (contribution of inventors)	for the first patent granted outside the Czech Republic,
P=Σ5 x (contribution of inventors)	for a license or equivalent contract concluded with the Czech subject,
P=Σ30 x (contribution of inventors)	for a license or equivalent contract concluded with the foreign subject,

including the sum of all the patents granted or contracts concluded in the evaluation period in which the members of the group concerned were involved. Only the first granted foreign patent within one patent family is counted. The **contribution of inventors** is equal to the sum of contributions of each inventor from the evaluated group to the patent, design, or contract in question calculated in accordance with the Directive S2020-03 as amended.

T = operation on a semi-industrial scale, tested technology; the numerical value of T is determined using the equation:

T =Σ7.5 x (contribution of the authors),

including the sum of all the outcomes published in the period in question in which the members of the group concerned were involved. **The contribution of the authors** equals the fraction: the number of authors from the group being evaluated / the total number of authors.

S = prototype, implemented methodology, functional sample, authorized software; the numerical value of **S** is determined using the equation:

S=Σ2.5 x (contribution of the authors),

including the sum of all the outcomes published in the period in question in which the members of the group concerned were involved. **The contribution of the authors** equals the fraction: the number of authors from the group being evaluated / the total number of authors.

Final Provisions

The evaluation procedure and document submission deadlines in the current period are always specified by the Director's Decree. Adjudication of objections or interpretation of disputed provisions is the responsibility of the IOCB Board.

This Directive supersedes the Directive S2022-05.

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Institute Director