

List of performance indicators, their values and calculation methods for supplementary indicators

Key indicators										
No.	Indicator title	Unit	Predicted indicator trends							
			2013	2014	2015	2016	2017	2018	2019	2020
1.	The university position in the top world rankings									
1.1	QS Rankings, general list	position	601+	551– 600	401– 450	301– 350	251– 300	201– 250	151– 200	51– 100
1.2	THE Rankings, general list	position					351– 400	351– 400	301– 350	251– 300
1.3	ARWU Rankings, general list	position								401– 500
2.	Number of articles in Web of Science and Scopus per member of academic staff	amount	0,6	0,8	1,1	1,5	2,2	2,9	3,6	4,7
3.	Average citation index per member of academic staff calculated per totality of articles registered in Web of Science and Scopus	amount	2,4	2,9	3,6	4,6	5,7	7,0	8,9	11,1
4.	Percentage of international professors, teachers and researchers among academic staff, including Russian citizens - PhD holders from international universities	%	0,1	1,0	5,0	10,0	10,0	10,0	10,0	10,0
5.	Percentage of international students enrolled in main educational programmes of the university (including the students from CIS countries)	%	17	18	19	20	22	23	24	25
6.	Average Unified State Exam score for the university full-time students enrolled in bachelor degree and specialists training programmes funded by Federal Budget	score	68	69	71	73	77	81	84	85
7.	Percentage of income from non-budgetary sources in the revenue structure of the university	%	47,5	56,2	58,7	61,3	63,6	65,8	65,8	65,8

Supplementary indicators *										
1.	Percentage of graduate and postgraduate students and doctoral candidates ¹ in the total number of full-time students	%	22	24	26	29	34	40	47	55
2.	Percentage of programmes delivered in English	%	6	8	12	16	20	24	28	30
3.	Percentage of income from international programmes and grants in total amount of income-generating activities	%	3,0	3,5	4,0	5,0	6,0	8,0	10,0	12,0
4.	Percentage of academic staff who participated in programmes of international and Russian academic mobility over the last two years	%	20	25	35	45	55	60	60	60
5.	Number of specialists who have managerial work experience in leading national and international universities and research organisations to work in University administration and as projects leaders	person	3	5	10	15	20	25	30	32

¹ in Russia – person with PhD degree working on Thesis for Doctor of Science Degree;

***Calculation method for Supplementary Indicator 1, “Percentage of graduate and postgraduate students and doctoral candidates in the total number of full-time students”**

Supplementary Indicator “*Percentage of graduate and postgraduate students and doctoral candidates in the total number of full-time students*” is calculated as a ratio of the number of full-time graduate and postgraduate students to the number of full-time students.

Supplementary Indicator formula

$$K1 = \frac{M + A + D}{S},$$

where **K1** is supplementary indicator 1,

M is the number of full-time master degree students,

A is the number of full-time postgraduate students,

D is the number of doctoral candidates,

S is the number of full-time students.

References to information sources for each indicator component:

M – Form № VPO–1. Information on the educational institution delivering higher professional education programmes. Full-time tuition. Section 2.1.2. First and second-year master degree students broken down by disciplines and majors. Column 6. Line 04. Total number of first and second-year master degree programs` students;

A – Form № 1-NK. Information on the work of postgraduate and doctoral programmes. Section 1. Column 11. Line 101². Total number of full-time postgraduate students;

D – Form № 1-NK³. Information on the work of postgraduate and doctoral programmes. Section 5. Column 8. Line 501. Total number of doctoral candidates as of the year end;

² from official state forms of statistical reporting.

³ NK, VPO – official state forms of statistical reporting;

$$S = S_{1-2} + S_{3-7},$$

where S_{1-2} – Form VPO–1. Information on the educational institution delivering higher professional education programmes. Full-time tuition. Section 2.1.2. First and second-year master degree students broken down by disciplines and majors. Column 6. Line 05. Total number of first and second-year students on higher professional education programmes;

S_{3-7} – Form VPO–1. Information on the educational institution delivering higher professional education programmes. Full-time tuition. Section 2.1.3. 3–7-year students broken down by disciplines and majors. Column 9. Line 06. Total number of 3–7-year students on higher professional education programmes.

Calculation method for Supplementary Indicator 2, “Percentage of programmes delivered in English”

Supplementary Indicator “*Percentage of programmes delivered in English*” is calculated as a ratio of the number of key educational programmes delivered in English to the total number of key educational programmes.

Supplementary Indicator formula

$$K2 = \frac{P_E}{P},$$

where $K2$ is supplementary indicator 2;

P_E is the number of key educational programmes delivered in English;

P is the number of key educational programmes.

References to information sources for each indicator component

P_E – normative documents of Tomsk Polytechnic University;

P – Forms of National Research University Annual Report. Indicator 33. Total number of key educational programmes (as of the end of reporting year).

Calculation method for Supplementary Indicator 3, “Percentage of income from international programmes and grants in total amount of income from all income-generating activities”

Supplementary Indicator “*Percentage of income from international programmes and grants in total amount of income from all income-generating activities*” is calculated as a ratio of the income from international programmes and grants to the total income from income-generating activities.

Supplementary Indicator formula

$$K3 = \frac{V_M}{V},$$

where **K3** is supplementary indicator 3;

V_M is income from international programmes and grants;

V is total income from income-generating activities.

References to information sources for each indicator component

V_M – Form 2-science (annual). Section 6. Funding sources of internal research and development costs. Column 3. Line 612. Foreign-source income;

V – normative documents of Tomsk Polytechnic University.

Calculation method for Supplementary Indicator 4, “Percentage of research and teaching staff who participated in programmes of international and Russian academic mobility over the last two years”

Supplementary Indicator “*Percentage of academic staff who participated in programmes of international and Russian academic mobility over the last two years*” over the last two years” is calculated as a ratio of the number of research and teaching staff who participated in programmes of international and Russian

academic mobility over the last two years to the total number of the university research and teaching staff.

Supplementary Indicator formula

$$K4 = \frac{N_M}{N},$$

where **K4** is supplementary indicator 4;

N_M is the number of research and teaching staff, who participated in programmes of international and Russian academic mobility over the last two years;

N is the average number of listed full time university academic staff.

$$N = N_{pps} + N_{nr} + N_{ppsv} + N_{nrsv},$$

where N_{pps} is the average number of teaching staff (external part-timers not included);

N_{nr} is the average number of listed research staff (external part-timers not included);

N_{ppsv} is the average number of teaching staff (external part-timers);

N_{nrsv} is the average number of research staff (external part-timers).

References to information sources for each indicator component

N_M – normative documents of Tomsk Polytechnic University;

N_{pps} – Form VPO-2. Information on physical infrastructure, material and technical resources, information base as well as financial and economic performance of the educational institution delivering higher professional education programmes. Section 3.3. Information on employee salaries. Column 5. Line 03. Average number of academic staff (external part-timers not included);

N_{nr} – Form VPO-2. Information on physical infrastructure, material and technical resources, information base as well as financial and economic performance of the educational institution delivering higher professional education programmes. Section 3.3. Information on employee salaries. Column 5. Line 04. Average number of listed research staff (external part-timers not included);

N_{ppsv} – Form VPO-2. Information on physical infrastructure, material and technical resources, information base as well as financial and economic performance of the educational institution delivering higher professional education programmes. Section 3.3. Information on employee salaries. Column 6. Line 03. Average number of academic staff (external part-timers);

N_{nrsv} – Form VPO-2. Information on physical infrastructure, material and technical resources, information base as well as financial and economic performance of the educational institution delivering higher professional education programmes. Section 3.3. Information on employee salaries. Column 6. Line 04. Average number of research staff (external part-timers).

Calculation method for Supplementary Indicator 5, “Number of specialists who have experience in working for the leading national and international universities and research organisations and work in University administration and lead projects”

Supplementary Indicator “*Number of specialists who have experience in working for the leading national and international universities and research organisations and work in University administration and lead projects*” is calculated as the number of specialists who have experience in working for the leading national and international universities and research organisations by contract basis and are working in TPU administration and leading large scale research projects.

Supplementary Indicator formula

$$K5 = N1,$$

where **K5** is supplementary indicator 5;

N1 – Number of specialists who have experience in working for the leading national and international universities and research organisations by contract basis and are working in TPU administration and leading large scale research projects.

References to information sources for each indicator component

N1 – normative documents of Tomsk Polytechnic University.

