Temporary results of the project «Introduction of the discipline «Fundamentals of Standardization» In bachelor’s educational program at the MRSU Economics Faculty»

November 24, 2014. Geneva, Switzerland

PARAMETERS OF THE «FUNDAMENTALS OF STANDARDIZATION» IMPLEMENTATION PROJECT INTO THE BACHELOR`S EDUCATIONAL PROGRAM AT THE ECONOMICS FACULTY

Basis *- recommendations of the Regulatory Cooperation and Standardization Working Party according to the results of the 22nd UNECE session, order of the rector of MSRU*

Project category *– pilot project*

Project dates *– 2013-2014, 2014-2015 academic years*

Place of the implementation *– MSRU Economic Faculty, Management Organization department*

Project results*:*

- the inclusion of the "Fundamentals of Standardization" discipline on a permanent basis into the educational programs at the MSRU Economics Faculty;

- development of the methodological recommendations concerning the inclusion of the "Fundamentals of Standardization" discipline into the bachelor's educational programs in Humanities in Moscow Region.

THEME STRUCTURE OF THE DISCIPLINE

Section 1. Principles of standardization, metrology and certification

Theme 1. Theoretical principles of standardization

Theme 2. Metrology. Concepts, systems, tools

Theme 3. Correspondance assessment, its forms and methods of conformity

Section 2. The role and importance of standardization for the functioning of society and organizations

Theme 4. The role of standardization for the society

Theme 5. The role and importance of standardization for organizations

Theme 6. The management system standards

Theme 7. Standardization of information requirements and supply chains

Theme 8. Place of correspondance assessment in business processes and regulatory infrastructure

THEME STRUCTURE OF THE DISCIPLINE

Section 3. National law and institutional basis in the field of standardization

Theme 9. Legal and institutional framework in the field of standardization

Theme 10.Policy in the regulatory field and related institutional arrangements

Theme 11. Market surveillance

Theme 12. Standards, regulations and regulatory impact assessment (RIA) in the risk management

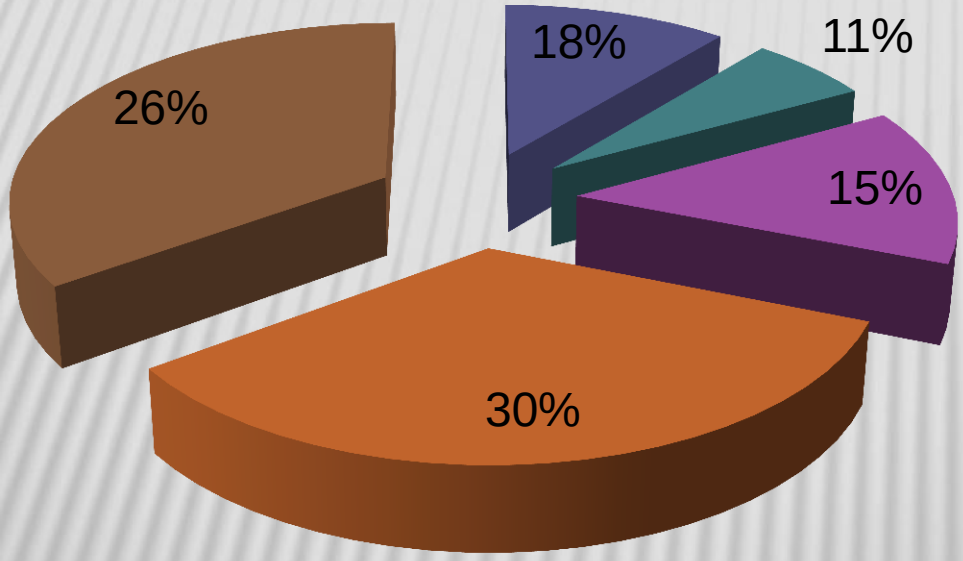
Section 4. International aspects of standardization

Theme 13. International standardization

Theme 14. International trade, standards and regulations

Theme 15. Strategic issues and challenges in the field of standardization

NUMBERS OF STUDENTS STUDIED "FUNDAMENTALS OF STANDARDIZATION" DISCIPLINE IN 2013-2014 ACADEMIC YEAR

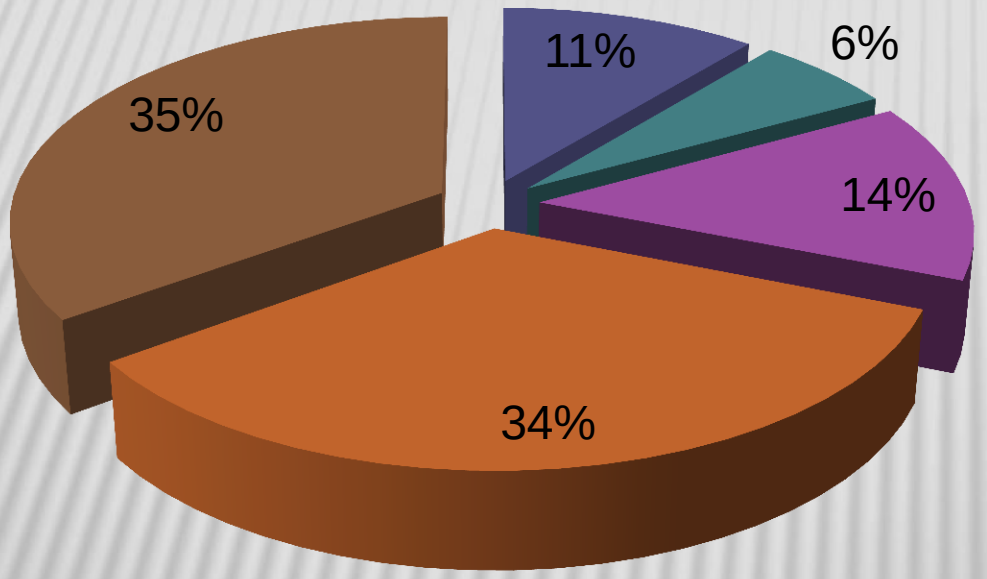


- Project management* (49 people)
- -Production management* (30 people)
- -Small business management* (41 people)
- -Personnel management (81 people)
- -State and municipal management (72 people)

Total (bachelors, Economics Faculty, MRSU)-273 people

*-profiles of "Management" department

NUMBERS OF STUDENTS STUDIED "FUNDAMENTALS OF STANDARDIZATION" DISCIPLINE IN 2014-2015 ACADEMIC YEAR

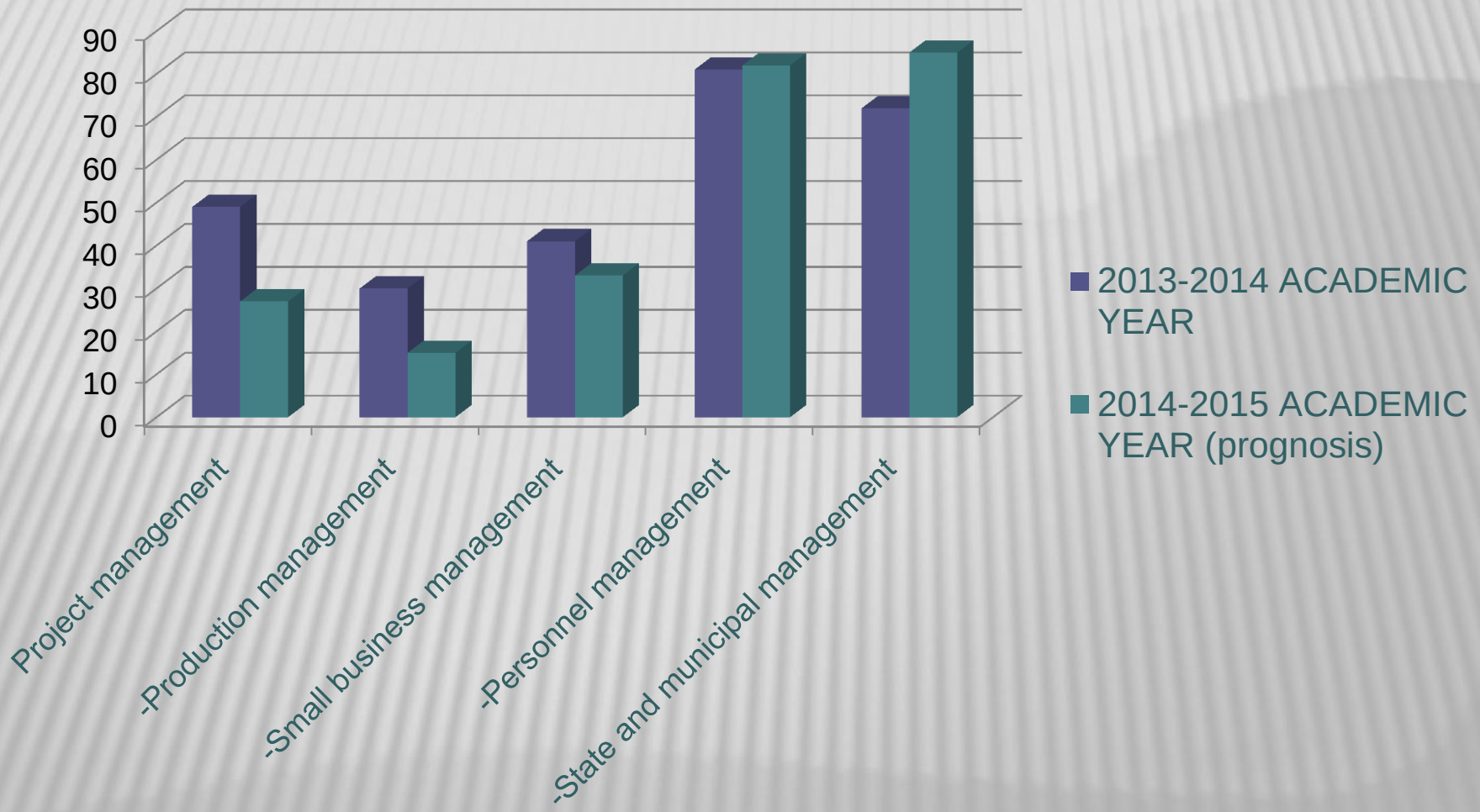


- Project management* (27 people)
- -Information management* (15 people)
- -Small business management* (33 people)
- -Personnel management (82 people)
- -State and municipal management (85 people)

Total (bachelors, Economics Faculty, MRSU)-277 people.

*- profiles of "Management" department

DYNAMICS OF THE NUMBER OF STUDENTS STUDYING THE DISCIPLINE "FUNDAMENTALS OF STANDARDIZATION" IN THE MOSCOW STATE REGIONAL UNIVERSITY IN THE 2013-2014 AND 2014-2015 ACADEMIC YEARS



*- profiles of «Management» department

STANDARDS, USED IN THE PROCESS OF TEACHING THE DISCIPLINE

№	Standard group	Name of the standard	Usage in the study theme
1.	FUNDAMENTAL STANDARDS	1.1.GOST R 1.0-2012NATIONAL STANDARD OF THE RUSSIAN FEDERATION. Standardization in the Russian Federation. The main regulations 1.2. GOST R 1.5-2012 "Standardization in the Russian Federation. The national standards. Rules of construction, presentation, design and designations 1.3. GOST R 1.12-2004NATIONAL STANDARD OF THE RUSSIAN FEDERATION. Standardization in the Russian Federation. Terms and definitions	
2.	INTERNATIONAL STANDARDS	2.1.GOST 1.5-2001 Interstate standardization system. Interstate standards, rules and guidelines for international standardization. General requirements for the design, development, execution, content and designation	
3.	ORGANIZATION STANDARDS	3.1.STO NOSTROY 2.35.4-2011 NATIONAL STANDARD OF BUILDERS ASSOCIATION СТАНДАРТ НАЦИОНАЛЬНОГО ОБЪЕДИНЕНИЯ СТРОИТЕЛЕЙ Green building. Residential and public buildings. Rating system of the sustainability of habitat assessment.	

STANDARDS, USED IN THE PROCESS OF TEACHING THE DISCIPLINE

№	Standard group	Name of the standard	Usage in the study theme
4.	REGIONAL STANDARDS	4.1. Eurasian project standard management (EPSM) developed in support of the Eurasian Union based on a voluntary, peer integration, joint politico-economic development of the countries of the region, the general promotion of the CIS countries in a strong position in the World.	
5.	PROFESSIONAL STANDARDS	5.1."The PMBOK® guide from PMI", 5.2. "Fundamentals of Professional Knowledge and National requirements for the Competence" developed by SOVNET-based standard ICB 3.0 from IPMA. 5.3.ISO/TR 23462:2007. Systems and software engineering -- Life cycle processes - Project management	
6.	INDUSTRY STANDARDS	6.1. IRIS Standard (International Railway Industry Standard), which is developed and based on ISO 9001:2000 and contains additional specific requirements. 6.2.Federal legislation educational standard (FSES) for bachelors	

STANDARDS, USED IN THE PROCESS OF TEACHING THE DISCIPLINE

№	Standard group	Name of the standard	Usage in the study theme
7.	INTERSTATE AND NATIONAL STANDARDS BASED ON INTERNATIONAL ONES	7.1. GOST ISO 9000-2011 INTERNATIONAL STANDARD OF QUALITY MANAGEMENT SYSTEM Fundamentals and vocabulary. 7.2. GOST ISO 9001-2011 INTERNATIONAL STANDARD OF QUALITY MANAGEMENT SYSTEM The quality management system. Requirements. 7.3. GOST R ISO 9004-2010 "Managing for the sustained success of an organization. The approach based on quality management“ 7.4 .GOST R ISO 14001-2004 "The system of environmental management. Requirements and application guide“ 7.5. OHSAS 18001 "Occupational healthand safety management systems 7.6. GOST R ISO 26000-2012 (ISO 26000:2010) "Guidance on social responsibility“ 7.7.GOST R ISO 31000-2010 The management of risk. Principles and guidelines. I6.9. SO 28000:2010 "The safety management system supply chain"	

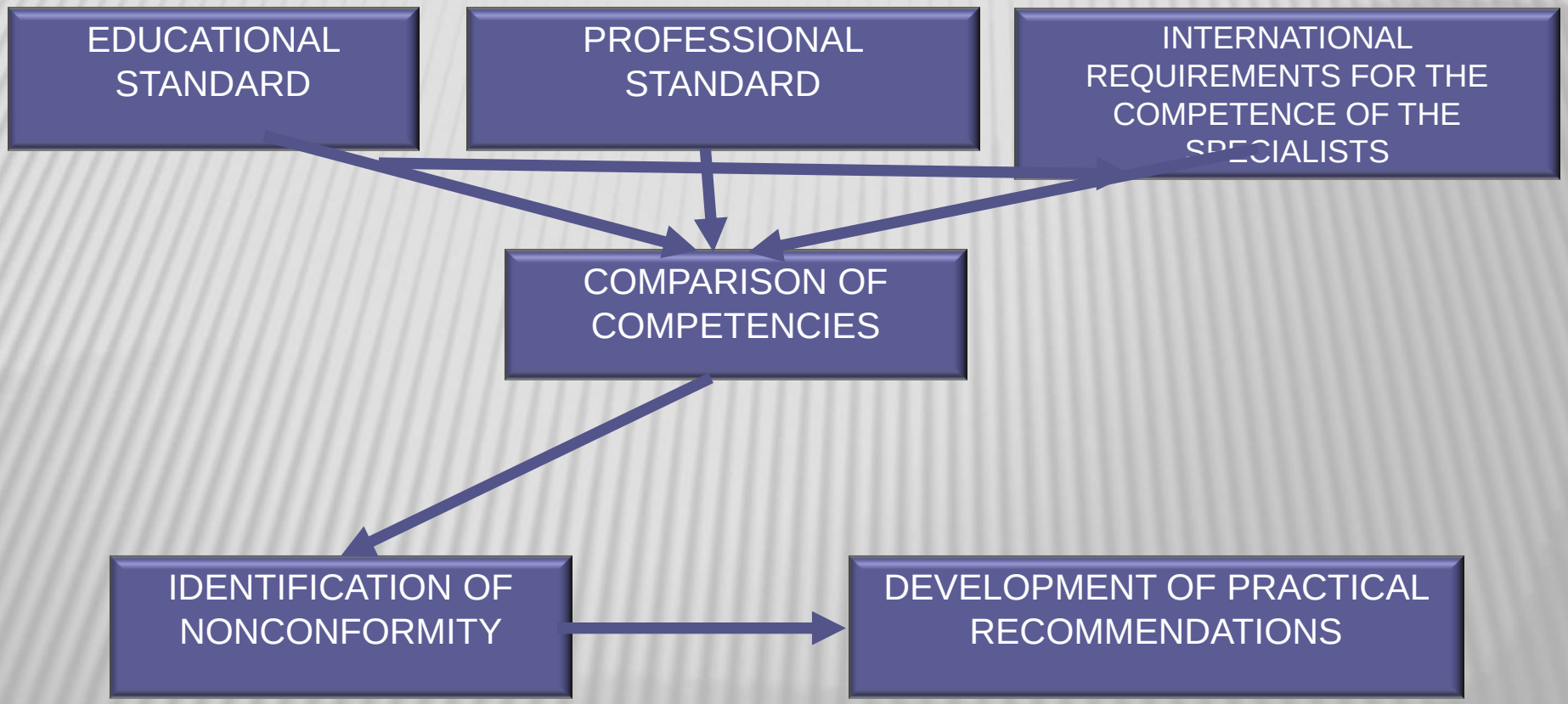
MULTIPLE CASE FOR THE APPLICATION OF THE “GREEN BUILDING” STANDARD

- *Variants of some construction projects are offered*
- *One small group of students for each variant*
- *Each small group receives a task to evaluate the project in terms of the correspondence to the specific part of the “Green building” standard*
- *Results are given in a presentation form during the following class, including conclusions and recommendations*

SCIENTIFICALLY-FOCUSED WORKSHOP “COMPARATIVE ANALYSIS OF THE PROFESSIONAL AND EDUCATIONAL STANDARDS”

- ✓***The study of educational standards for the training of bachelors in management, “project management” profile***
- ✓***The study of professional standards in the field of project management***
- ✓***Learning standard international requirements for the competence of specialists in IPMA ICB project management***

COMPARATIVE ANALYSIS OF THE PROFESSIONAL AND EDUCATIONAL STANDARDS IN PROJECT MANAGEMENT



A STUDENTS' SURVEY CONDUCTED ACCORDING TO THE RESULTS OF THE "FUNDAMENTALS OF STANDARDIZATION" DISCIPLINE STUDY

(EVALUATION MADE ON 10-POINTS SCALE)

Group № ____ _____

(Profile, educational form)

№	Question	Scoring
1.	**The usefulness of the discipline for the formation of:** - **cultural competencies** - **professional competences**	
2	**The simplicity of presentation, the professionalism of the teacher**	
3.	**Which forms of study are most preferred for the formation of:**	(Lectures, interactive lectures, case studies, workshops, business games, scientific research - choose)
	- skills	
	- knowledge	
4.	**The overall impression from the study of the discipline**	
5.	**Would you recommend to attend (to learn) this discipline to your younger colleagues (Yes, no)**	
6.	**Your suggestions:**	

THANK YOU!!