Recent developments in TVET in Russia

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Secondary TVET: Basic facts and figures

- **Colleges**
  - Public: 3561
  - Private: 395

- **Percentage Distribution**
  - Technical profile: 2532
  - Social sphere: 910
  - Service sector, economics, management: 514

- **Student and Staff**
  - 2015:
    - Students: 2180
    - Staff: 357
  - 2016:
    - Students: 2867
    - Staff: 396
  - 2017:
    - Students: 2945
    - Staff: 393

Riga, 25-26/04/2018
Programmes\curricula

- 485 occupations of training
- Most wide-spread occupations of training in 2017:
  - Technology of land transport
  - Economics and management
  - ICT
Modernization of curricula based on occupational standards

Federal Project: 50 top occupations of training in TVET that enjoy highest demand

Participants:

- Ministry of Education and Science
- National Council for Occupational Qualifications
- Federal methodological associations
- Sector skills councils

Outcomes for 2017:

- 44 Federal TVET standards and curricula modernized
- New format of demonstration exam piloted:
  - Standard assessment assignments
  - Independent assessment
  - E-system of data monitoring and processing
  - Openness of information

Expected outcomes:

- 2018 – 80
- 2019 – 70
Interregional Centers of Competences

- Established under the “50 TOP” Project in 7 RF regions based at leading colleges in the following areas:
  - Automation, radio technology and electronics
  - Servicing of transportation means and logistics
  - ICT
  - Art, design and services
  - Construction
  - Machine-building, control of complicated technical systems, Metal processing

- Objectives:
  - To train graduates to international standards and advanced technologies in the 50 Top occupations
  - Training sites to train for Worldskills

Riga, 25-26/04/2018
Priority project «Workers for advanced technologies»

- **Goal:**
  - To create a competitive TVET system

- **Objectives**
  - To increase by 2020 the number of TVET graduates by 50,000 people
  - To introduce new programs/curricula and to use the demonstration exam as widely as possible
  - To provide professional development opportunities to 5,000 teachers and to 2,800 instructors of practical training
  - To hold the Worldskills Russia Championship and Hi-tech skills competitions for young workers (2018 and 2020)
  - To host International Worldskills Championship in Kazan in 2019
  - To establish a National WorldSkills Training Center
WorldSkills Movement “Young Professionals” (WorldSkills Russia)

- Participants from 85 RF regions
- Accomplishments to date:
  - 5 finals of the National Championships
  - 3 National Championships “WorldSkills Hi-Tech” in workers occupations from hi-tech occupational areas
  - 236 regional championships
  - 6 semi-finals in 2015
  - 6 semi-finals and 2 inter-regional championships in 2016
  - 7 trials in occupational clusters to select participants for the Vth Finals of the National 2017 Championship
WorldSkills Movement “Young Professionals” (WorldSkills Russia)

- 2016 European Championship in Goteborg (Sweden)
  - 28 participating countries, 36 competences
  - Russia: 1 ranking
    - 2 gold medals: «electronics» and «servicing refrigeration and ventilation»,
    - 2 silver medals: «graphic design», «mobile robotics»
    - 1 bronze medal: networking and system administration
    - 11 medals for professionalism in industrial competences
WorldSkills Movement “Young Professionals” (WorldSkills Russia)

- 2017 - 44th Championship in Abu Dhabi,
- 1,300 young professionals from 77 countries
- Russia: 1 ranking (35 461 points)
  - 1 bronze medal: «Stone-cutting»
  - 21 medals for professionalism
WorldSkills Impact

Enhanced:
- quality of skills requirements across the TVET system
- attractiveness of the TVET system for the youth
- employability of TVET graduates
- TVET teachers competences
Register of New Occupations

To respond to key development trends, such as:

- Growth of global competition for markets and resources
- Dilution of divisions between disciplines and sectors
- Growth of international cooperation in the area of R&D and production
- Growing complexity and pace of developmental processes
- Automation and digitalization: IT permeate all spheres and walks of life and work
- Demographic changes
- Growth of networks and networking
- Enhanced interest in environmental issues and green economy
Register of New Occupations

- Special focus on overarching skills:
  - Systems thinking
  - Cross-sectoral communication
  - Process management
  - Project management
  - Programming
  - Customer perspective
  - Cross-cultural skills
  - Operation in a context of uncertainty
  - Creativity
  - Lean management
Examples of new occupations

- Development of learning paths
- Manager of direct investments in talented people
- Genetic consultant
- Eco-auditor
- Development of individual fiscal trajectory
- Mediator of social conflicts
Challenges for the TVET System

- Transition to digital economy, spread of robotics in production systems
- Technological developments that outpace the development of the TVET system
- New occupations in the high-tech and IT fields
- Internationalization in TVET
Thank you for attention!

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