

# Changing Face Of Russian Higher Education: Trends And Priorities

Dr. Irina Arzhanova  
National Training Foundation



**NTF**

**National  
Training  
Foundation**

# 10 years of Higher education development in Russia 2006-2016

Why we are here  
and what shall we  
do...

1

Demography

2

Economy and  
labour market

3

Global / international  
context  
(Ed., R&D,  
competences)

# HE consistent development



**2006**

RF Population aged 15-24 (mln) **24.300**  
Number of students enrolled in HEIs per 10.000 – **512**

Number of HEIs (public) **660**

Number of HEIs (private) **430**

Number of students (all HEIs) (mln) **7.310**

Federal budget on Education **212.4** bln. p

**2016**



RF Population aged 15-24 (mln) **14.518**

Number of students enrolled in HEIs per 10.000 – **300**

Number of HEIs (public) **501**

Number of HEIs (private) **268**

Number of students (all HEIs) (mln) **4.419**

Federal budget on Education **568** bln. p

# Engineering education 2017

---

---

## Some formal indicators



**329 HEIs** provided **2025** educational programs in the field of engineering

**1050** students

An average passing entrance score: **62.1** (engineering)

The highest passing entrance score: **95,6-86,9** (amongst top-10 universities – ITMO, MFTI, MEPHI)

The lowest passing entrance score **55-58** – agriculture, forestry, transport

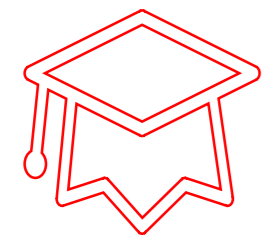
Number of enrolled students in HEIs (engineering, 2016-2017)  
**130376** –state-funded places (23479 – Moscow); fee-based places <20%

# Key systemic decisions for HE development

5



Unified state examination



Multilevel HE system



Federal competence based educational Standards



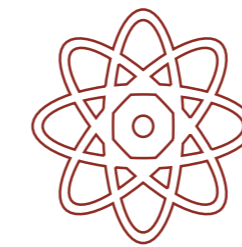
Internationalization



QA system



Stratification of HEIs



**Strong accent on R&D**



HEIs autonomy, financing and management

# People, Institutions and Regions

## Unified state examination



### Obligations

Since 2009 is obligatory for all school leavers  
(2016 – 750 000 school leavers)

### In-country Mobility

Applications for 5 HEIs  
No entrance exams (excl. some HEIs)  
Regional talent's outflow

### Choice for further trajectory

Passing subject score 2017 (physics: min 36 – max – 91)  
Passing entrance score (min 132 – max – 263)

### HEIs strategic development

Cooperation with local schools  
Competition for school leavers  
Changing of ed programmms

# Institutions, People and Employers

**Multilevel  
HE system**



## Legislation – new 3-level-structure of ed programs

	2006	2016
Bachelors	7%	74,2%
Masters	1,0%	10,2%
Specialists	91,6%	15,7%

## Different students' trajectories

Mobility within different programs at bachelor and master programs

## Programs' re-development

- Professors' competences
- Methodological provision
- Labour market expectations

## Institutional strategies

“Liberal art”, “technical baccalaureate”, “engendering” or “medical” schools, strategic academic units for leading universities, university 3.0, NTI University, etc.

# Institutions

## QA system



### Harmonization of Russian QA System with international approaches

### Legal straightening of independent QA procedures

Public accreditation

Comparative evaluation of learning outcomes

Joint and international programs' accreditation development

### Institutional strategies' development In view of QA procedures

Structures, learning approaches

Cooperation with enterprises etc

### Membership in international registers

NCPA -EQAR,

Akkork - EQAR

AEER –Washington Accord



# Institutions

## Federal education standards



Based on professional standards  
Competence based approach  
Project-based learning



Own educational standards for  
46 leading universities




Credit-based modular system



“Own diplomas” provided by MSU and SPB SU

# Institutions

**Internationalization**



## Foreign students

Req.: more then 1% for all HEIs; 4,0% for Moscow; 4,9 for SPb  
fact: av.6,7%; 7,7% leading universities



## Foreign professors and researches

Special projects support by the RF MoES



## Joint international programs and research

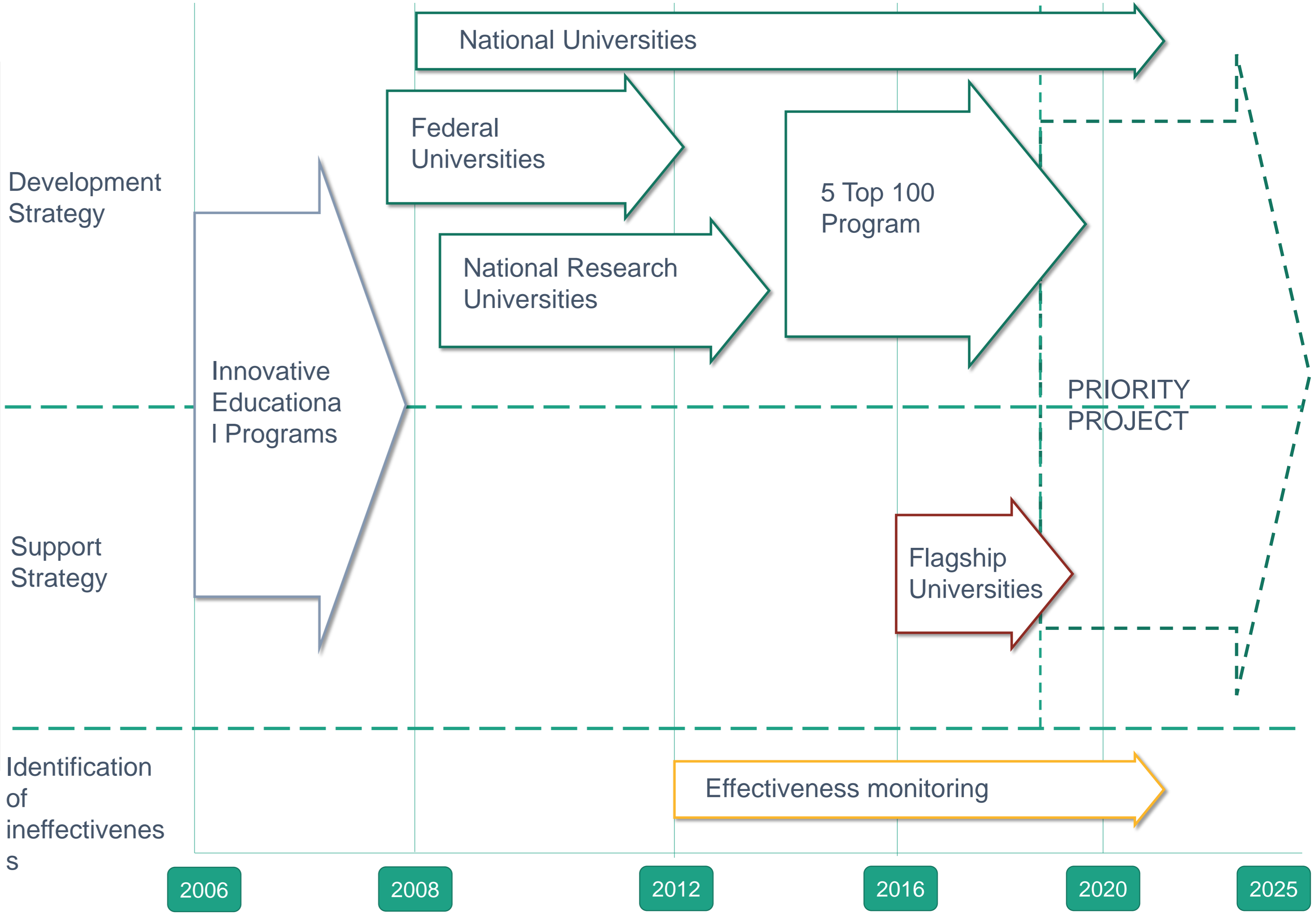


## Global rankings

Global and subject ranking for leading universities as obligations

# Institutions

**Stratification of HEIs 2006-p.t**




# HE System

---

---

**Stratification  
of HEIs  
2006-p.t**



---



**Monitoring of HEIs' efficiency (annual since 2012):**

More than 100 indicators are opened for public use

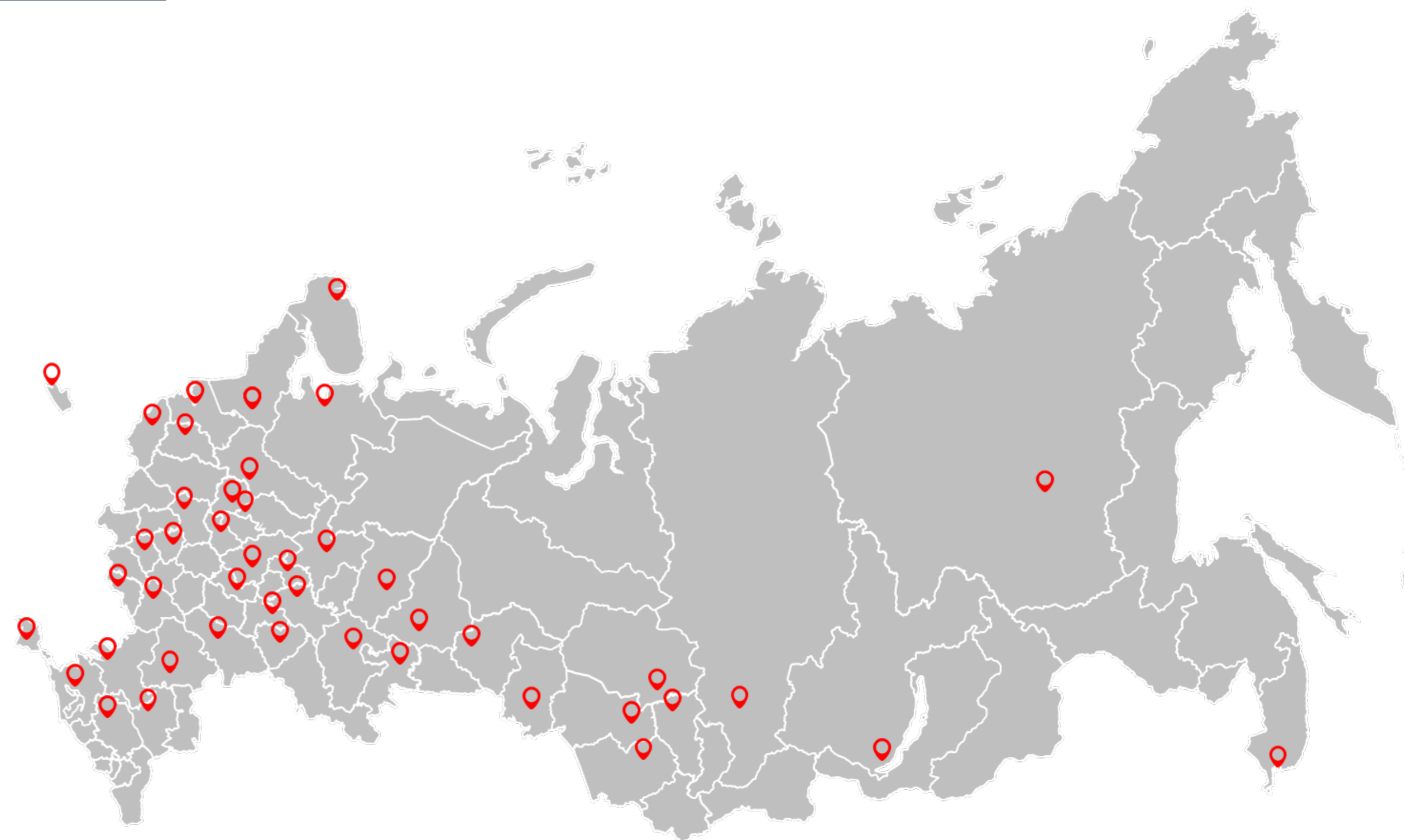
7 indicators are used for the federal decision making process (reorganization or closing): Unified state exam; R&D per 1 research and pedagogical staff, foreign students, HEI's income from all sources per 1 research and pedagogical staff, ratio of staff salary to average regional salary, graduates' employment)

Up to last monitoring more than 100 HEIs and more than 500 branches were reorganized

Monitoring takes into account some regional differences and HEIs' profile

# Institutions and regions

## Stratification of HEIs 2006-p.t



- 2 National Universities
- 29 National Research Universities
- 10 Federal Universities
- 33 Flagship Universities

# Institutions

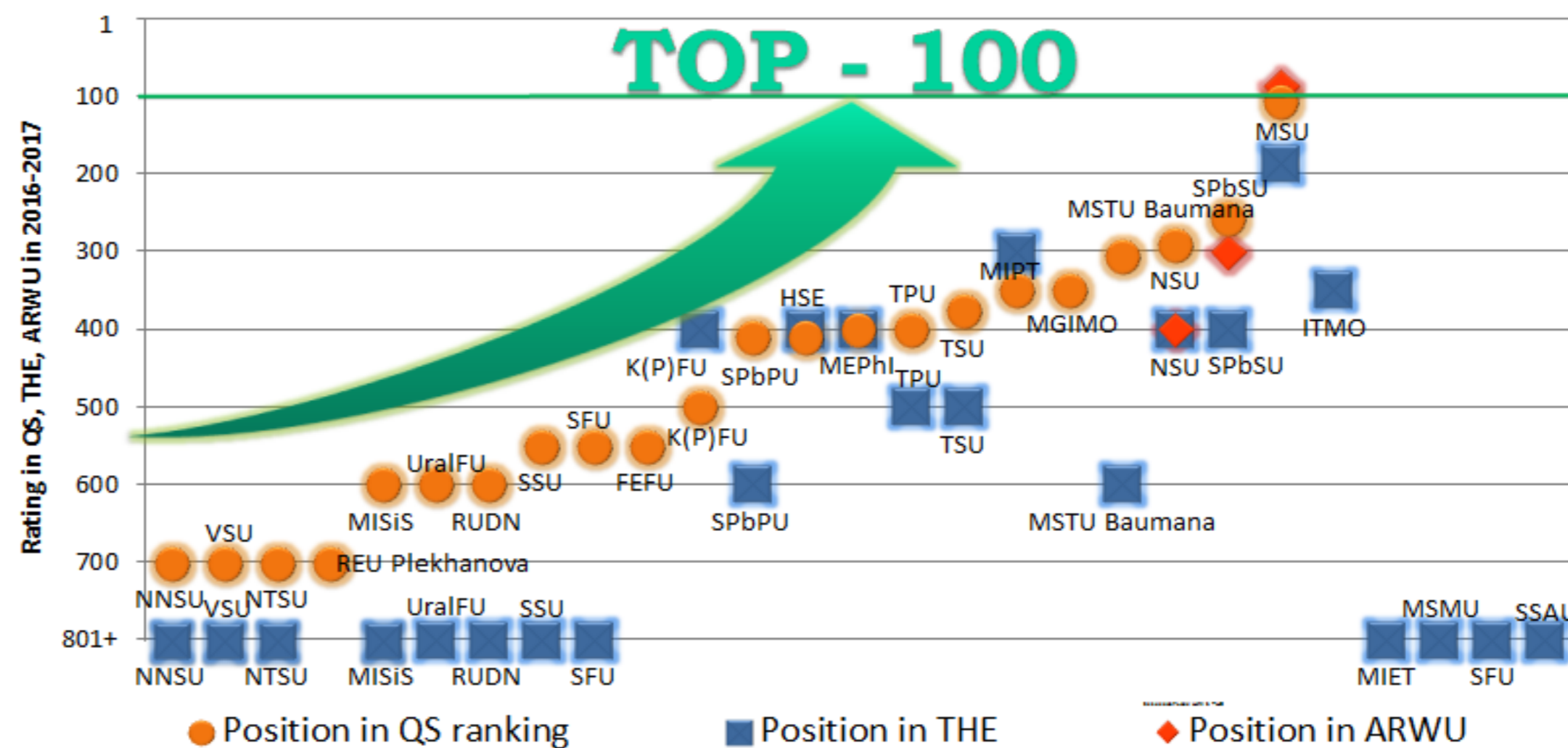
## Stratification of HEIs 2006-p.t



Indicator	An Average among Russian HEIs	An Average among Research Universities	An Average among Federal Universities	An average among flagship universities
Annual Income, mln. p	944,6	4 788	5 950	1547
Annual R&D Volume, mln. p	116,5	1 155	676	151
Percentage of foreign students	6,76	8,95	6,96	6,50

# Institutions

Strong accent on R&D in HEIs



(average)	Publications, WoS per 100 faculties	Publications, Scopus per 100 faculties	Rate of R & D income in the total income of HEI, %
5\100	86.5	112.3	24.7
National Research Universities	52.6	73.5	25,9
Federal universities	40.9	52.9	12.1
All Russian universities	10.8	16.6	8,6

# Institutions

## Financing and management



From estimated funding to normative financing per capita (since 2012)

### Additional coefficients

Level of entrants  
R&D,  
Publications,  
Own standards, etc

From functional to project management

### HEIs autonomy

App 10% of HEIs have a form of autonomous organizations



# HE System

---

---

**New legislation:  
Federal Law on  
Education #273,  
29.12.2012**

---



**For the first time:**

3 tiers HE structure

Per-capita financing

Educational standards based on professional standards

Networking programs

E-learning education

State financing for private HEIs (possibilities)

No accreditation for additional professional programs



**NTF**

**National  
Training  
Foundation**

[www.ntf.ru](http://www.ntf.ru)

## Further development: what's next?..

RF Socio-economic  
development  
strategy in  
prospective to  
2035... (under  
development)

1

“No revolution”

2

The completion or  
development of the  
key infrastructural  
projects

3

Regulatory support  
for already made  
decisions