



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY

New landscape of higher education: massification and structure of higher education systems

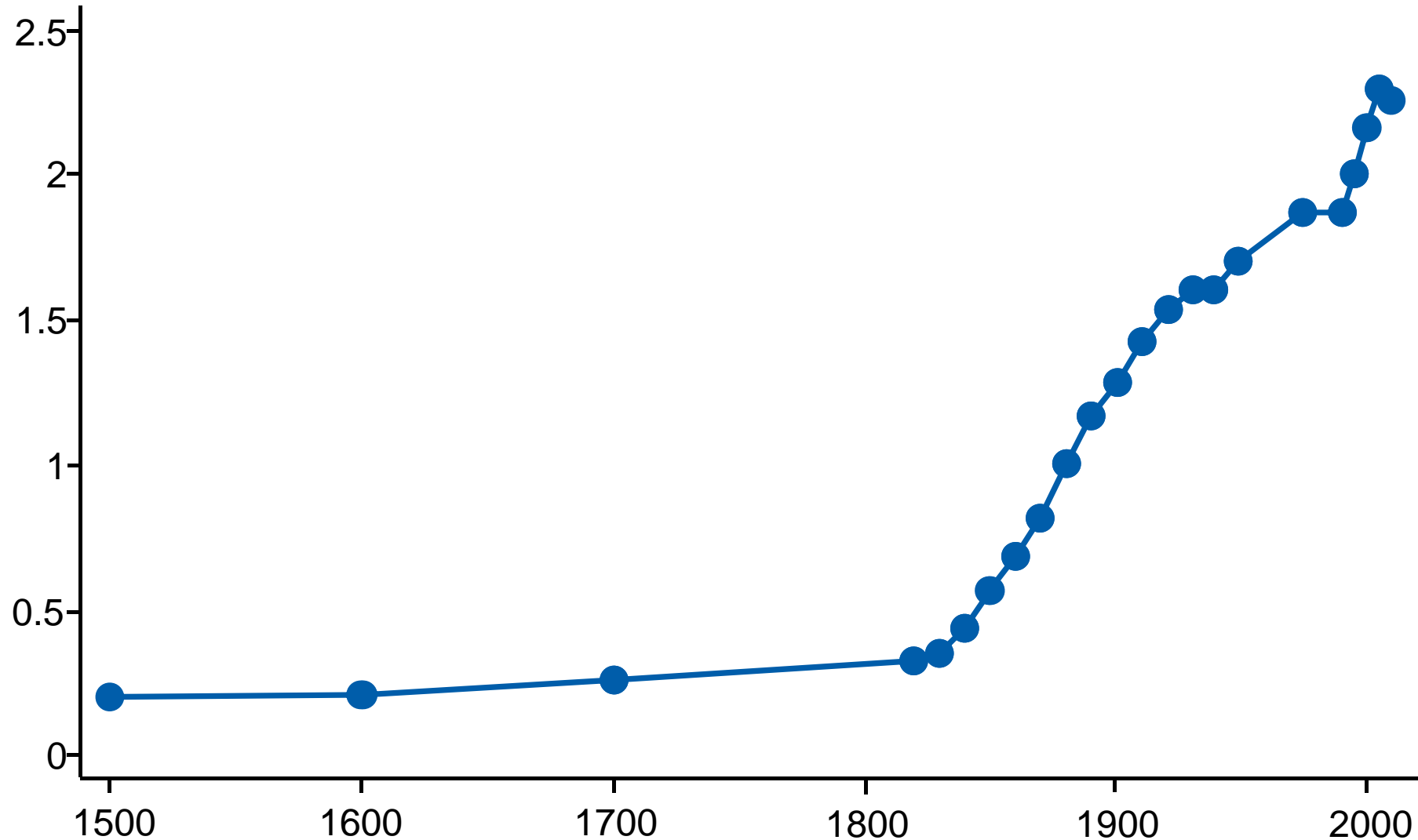
UNICA Rectors Seminar 2017

Ivan Prostakov, HSE Vice-Rector

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Massification of higher education

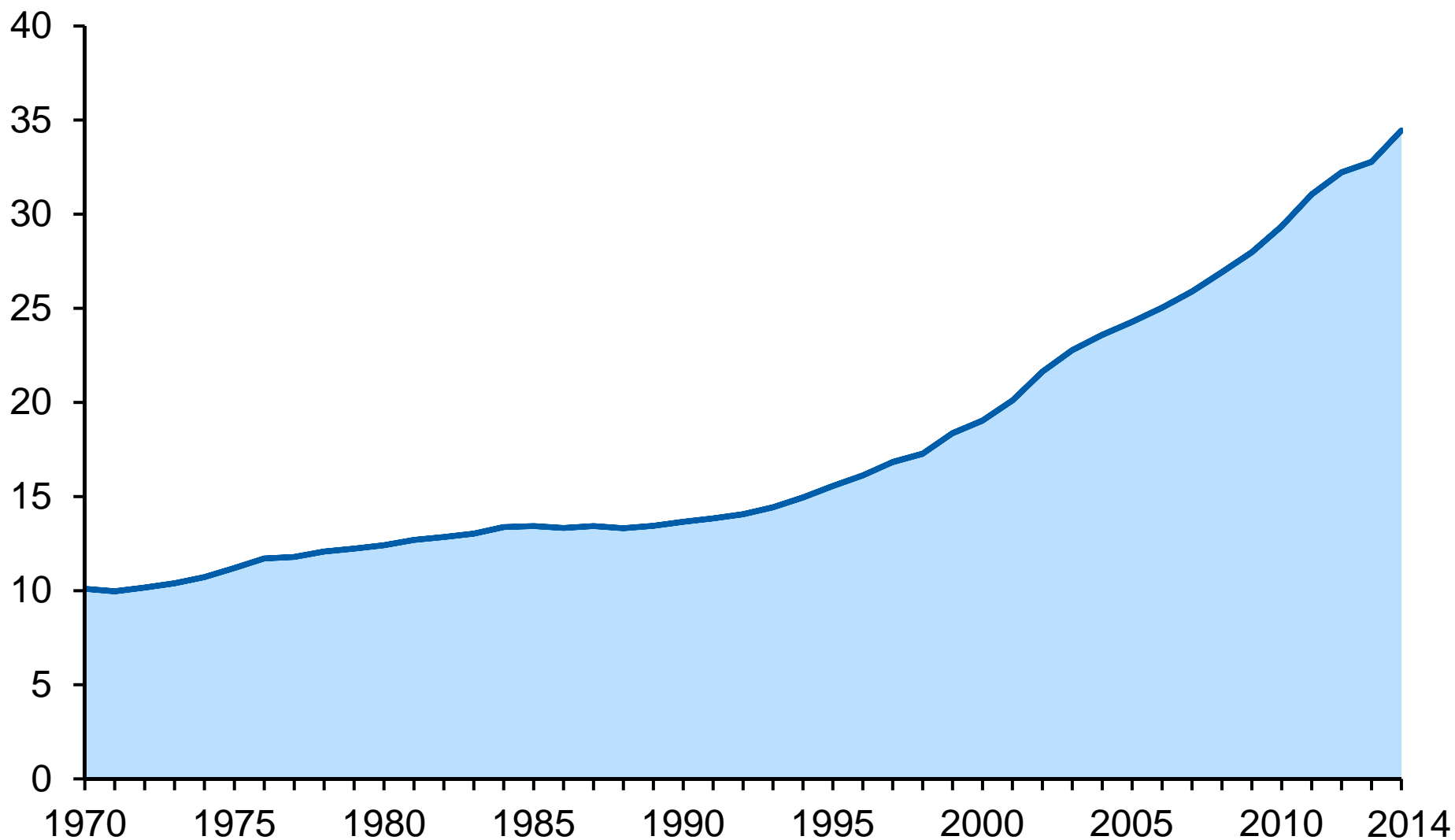
Universities per million population



SOURCE: Valero A., Van Reenen J. (2016) The Economic Impact of Universities: Evidence from Across the Globe, NBER Working Paper No. 22501

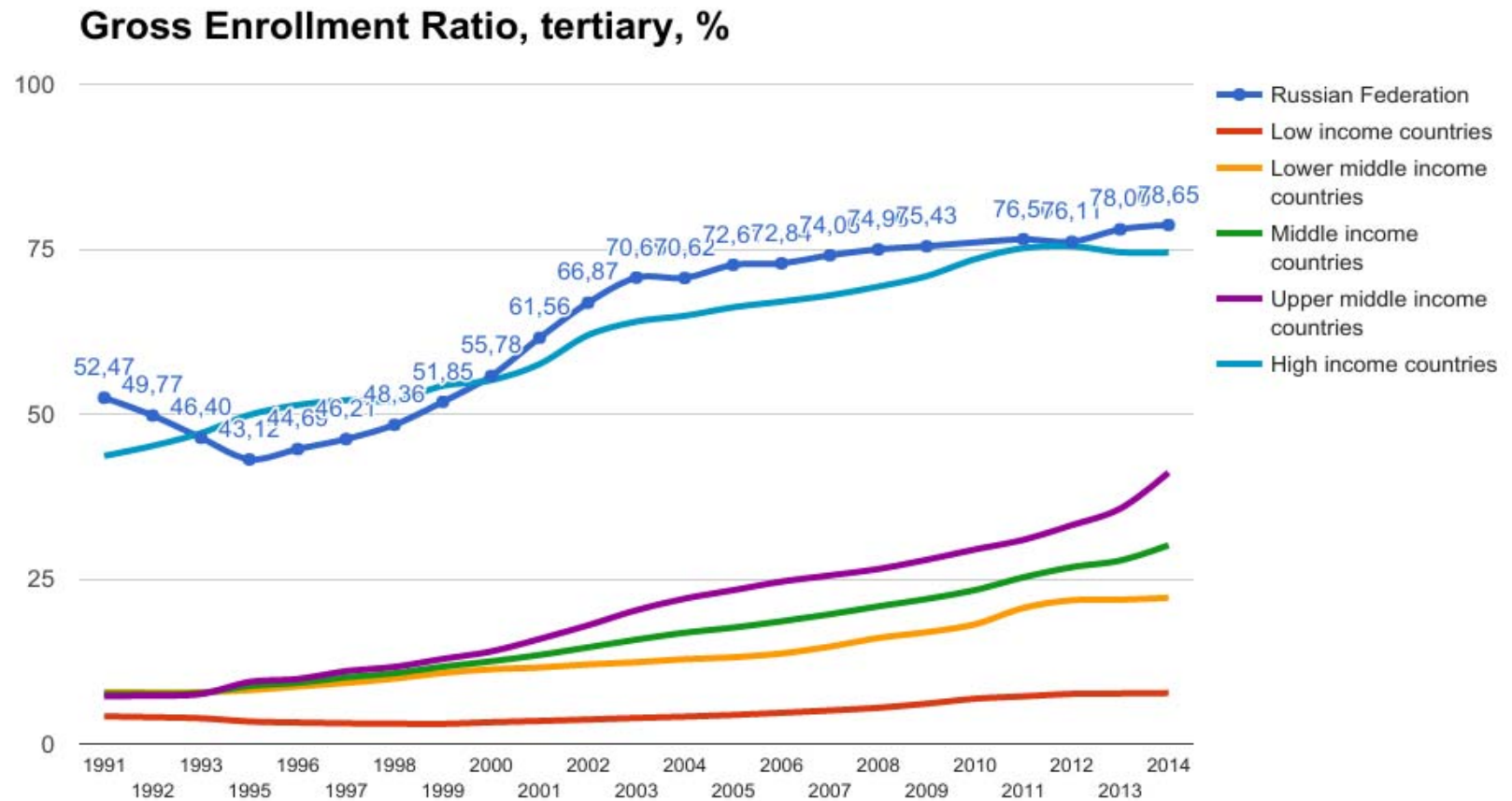
Participation in higher education

World gross enrollment ratio, tertiary education, %



SOURCE: World Bank/UNESCO Institute for Statistics

Growth of higher education across the globe

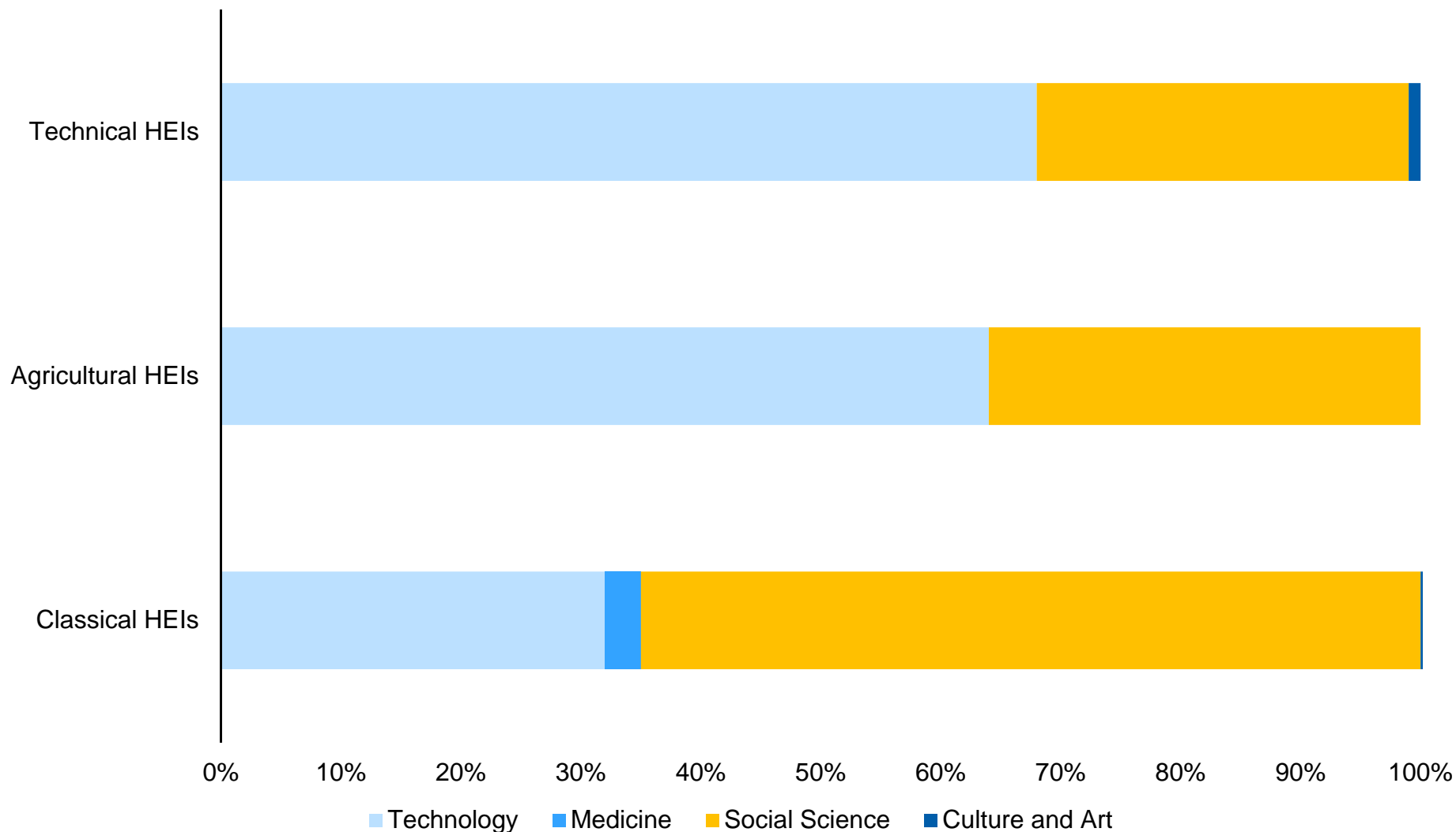


Massification leads to institutional diversity

- **Mission differentiation**
- **‘Blurring boundaries’ of higher education institutions (e.g. ‘end of binary systems’, research universities)**
- **Internal diversity (‘subject mix’)**

Example of internal diversity: Russian higher education institutions

Structure of education by type of HEI in Russia



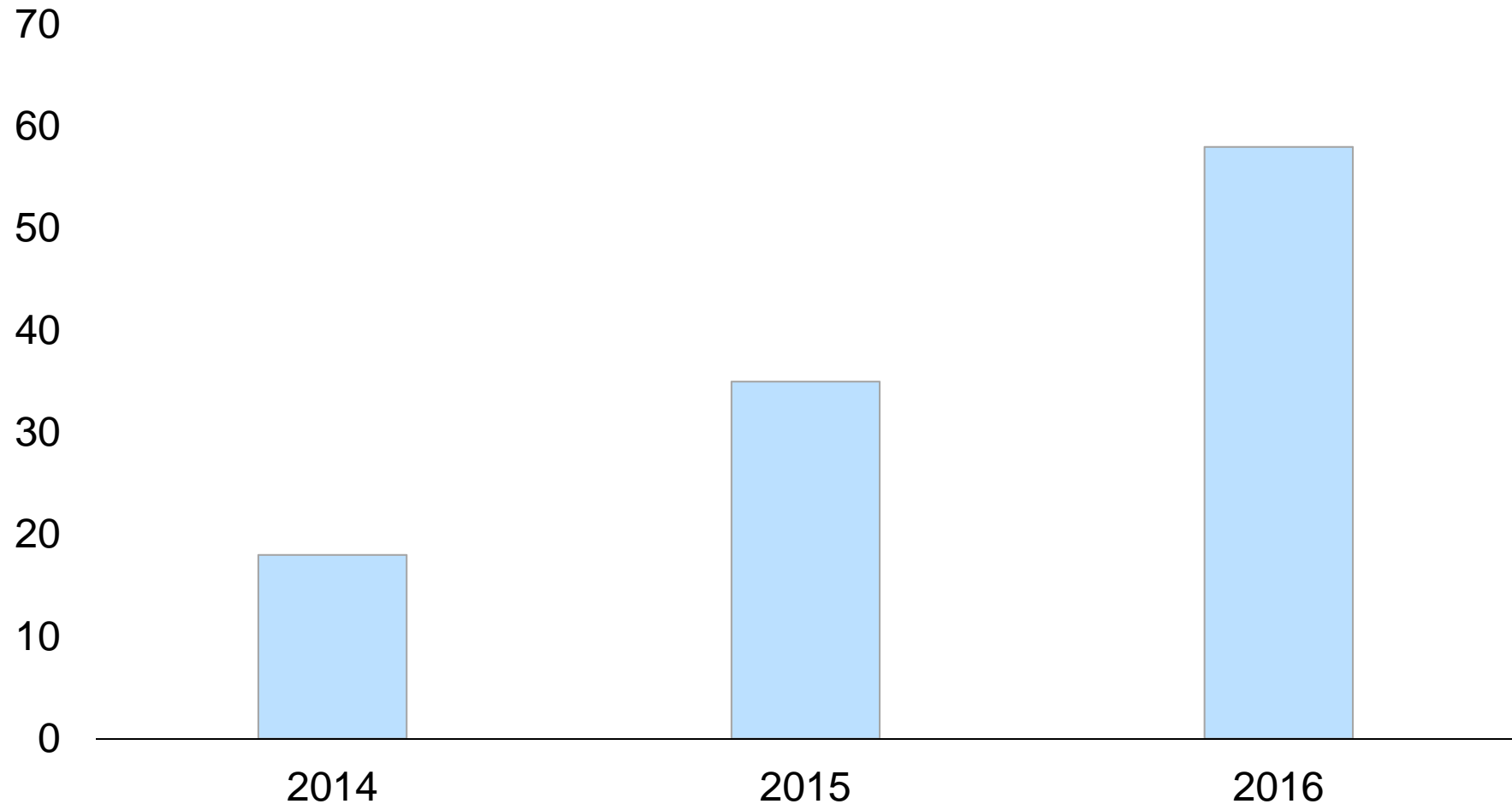
SOURCE: calculations based on the efficiency monitoring

Results of the first wave of massification

- **Different types of HEIs**
- **Tension between global and local pressures**
- **New 'non-traditional' students: age, motivation, individual trajectory**

A new wave of massification. Will MOOCs revolutionize higher education?

Total number of MOOCs students who signed up for at least one course, mln



SOURCE: <https://www.class-central.com>

Global platforms of massive open online education



>23 mln users
>1700 courses
>140 universities (28 countries)



>10 mln users
>1300 courses
>70 universities



>4 mln users
developed by: Google, AT&T, Facebook,
Salesforce, Cloudera

National MOOCs platforms



Challenges for European universities

- ✓ **Will MOOCs bring more institutional diversity into higher education systems?**
e.g. universities as MOOC-donors and MOOC-recipients
- ✓ **What will be the providers' business-models of massive online education?**
- ✓ **Will the higher education market be restructured under the new forces in demand and supply?**
- ✓ **How the role of a teacher in university will change?**
- ✓ **How the demand for education will change: expectations and requirements of the new students?**

Thanks!



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