



NATIONAL RESEARCH
UNIVERSITY

Industry-Science Linkages: Evidence and Policy Approaches

Mikhail Gershman, Dirk Meissner

OECD TIP Workshop “Assessing the Impacts of Public Research
Systems “ Paris, 02-03 May 2016

National Research University Higher School of Economics
Institute for Statistical Studies and Economics of Knowledge

Perception of research is changing in Russia

- Scientists & engineers typically ambitious in efforts to solve a problem
 - Initial description and decomposition of problem to uncover all possible facets and fully understand
 - activity to solve the problem follows in the tradition of scientific work
- Features of approach
 - targeted at directing efforts to each feature of the problem and finding a solution for this
 - Each sub-components of the wider problem is in most cases treated independently
 - Missing incorporation of solutions into an overarching consistent system



BUT

problems are now:

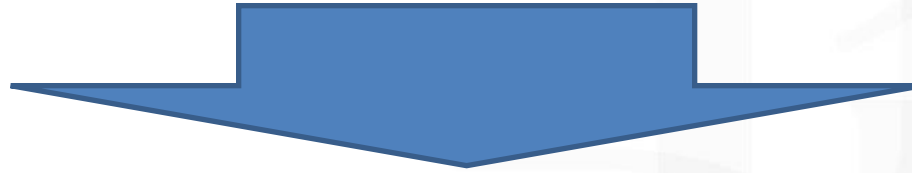
- typically larger in scale
- more complex

HENCE

cooperation is needed to solve challenges and issues

Practice of science aims at understanding problems

- Scientific results often very sophisticated and specialized.
- Ability to be integrated into broader systems is limited.
- Broad challenges demand broad solutions.
- Clear need to shift how problems are perceived and solved.



‘Thinking in Opportunities’ instead of ‘Thinking in Problems’

UI induced policy measures

No.	Description of policy	Year
1	Building a system of national research universities (29 currently) annually evaluated by their performance and largely supported from the federal budget	Since 2008
2	Allowing PRIs and universities to commercialize their scientific outputs through spin-offs	Since 2009
3	Developing innovative infrastructure of universities and their co-operation with industry	Since 2010
4	Attracting leading scientists and PhDs to Russian universities	Since 2010
5	Increasing gross domestic expenditures on R&D to 1.77% of the GDP with the share of universities of 11.4% by 2015	Since 2012
6	Increasing wages of research personnel in public research institutions and universities up to 200% of the regional average by 2018	Since 2012
7	Raising the budgets of public research foundations up to 25 billion rubles by 2018	Since 2012
8	Supporting the leading national universities to enter world's universities rankings	Since 2013

Broader change in Russian STI policy understanding

- design and implementation of consistent and coherent STI policy mix
 - clearly addressing features of ‘Thinking in Opportunities’
 - crucial for countries to generate momentum and take advantage of the full potential of STI
 - Increased emphasis on public-private partnerships for STI policy design
- Reshaped public STI framework
 - Balance opportunity vs. solution driven knowledge production
 - Include opportunity thinking in Foresight for strategic STI planning / priority setting
 - Extend evaluation schemes of public STI towards ‘opportunity thinking’



NATIONAL RESEARCH
UNIVERSITY

Thank you
for your attention!

mgershman@hse.ru

dmeissner@hse.ru

11, Myasnitskaya str., Moscow, Russia, 101000

Website: www.hse.ru/ma/sti