

Delivering large-scale national science initiatives:

Ideals, compromise and stakeholder roles in developing national nanotechnology programmes:

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Ideals, compromise and stakeholder roles in developing national nanotechnology programmes.

Nanotechnology- *“The branch of technology that deals with dimensions and tolerances of less than 100 nanometres, especially the manipulation of individual atoms and molecules.” (OED)*

National Nanotechnology Initiatives

USA- 2001 Caltech. 2003 Formed. Reassessed in 2013

Germany- 2006/07

Russia 2007/08



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Large-scale national science initiatives:

Large Scale National Science Initiatives-*the coming together of a national policy makers and scientific expertise to develop a framework for pursuing research and development in line with social, economic or political national agendas (Solingen, 1994).*

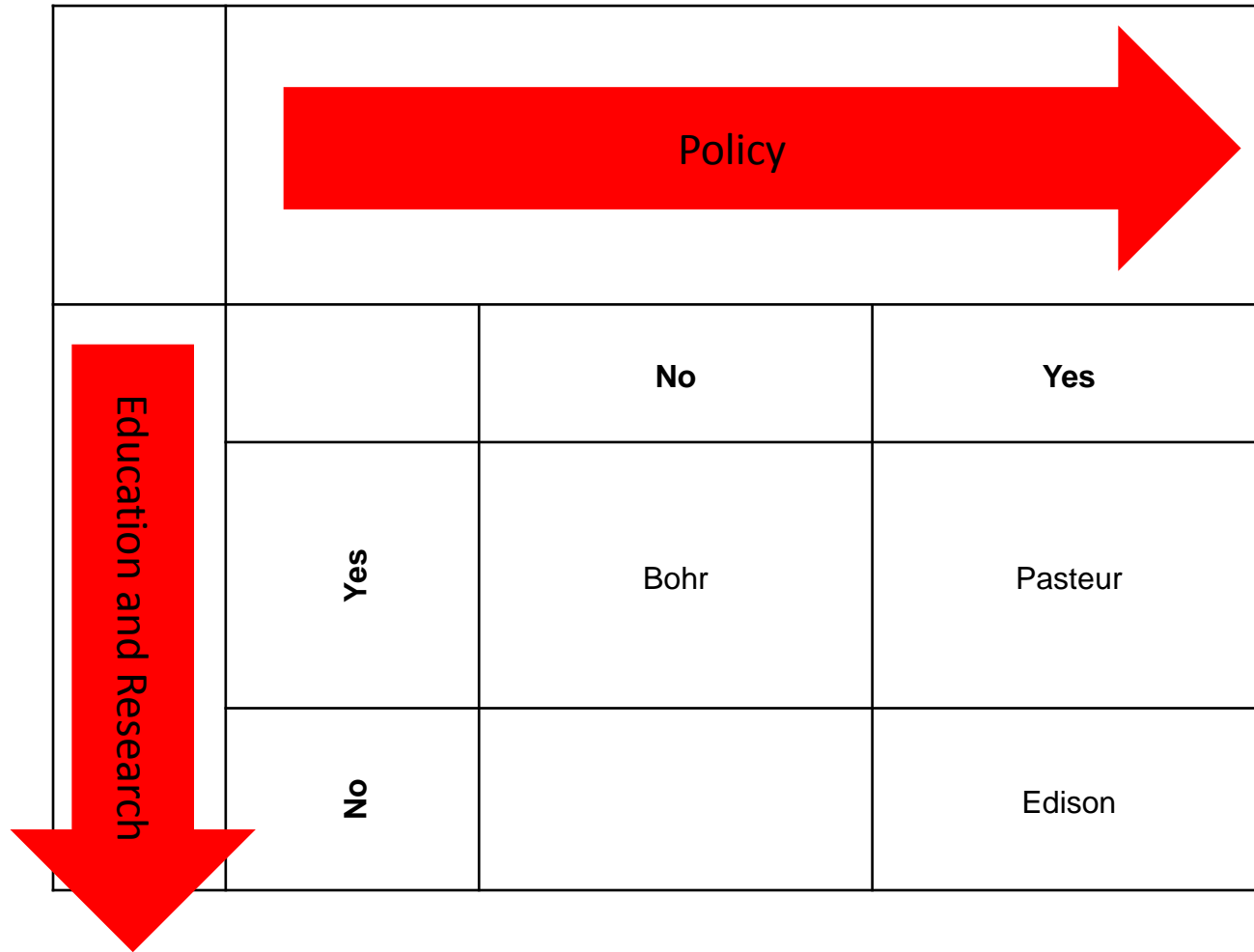
Early versions- *Big Science- Manhattan Project, NASA
Alvey Programme, Human Genome Project*

Pasteur Quadrant

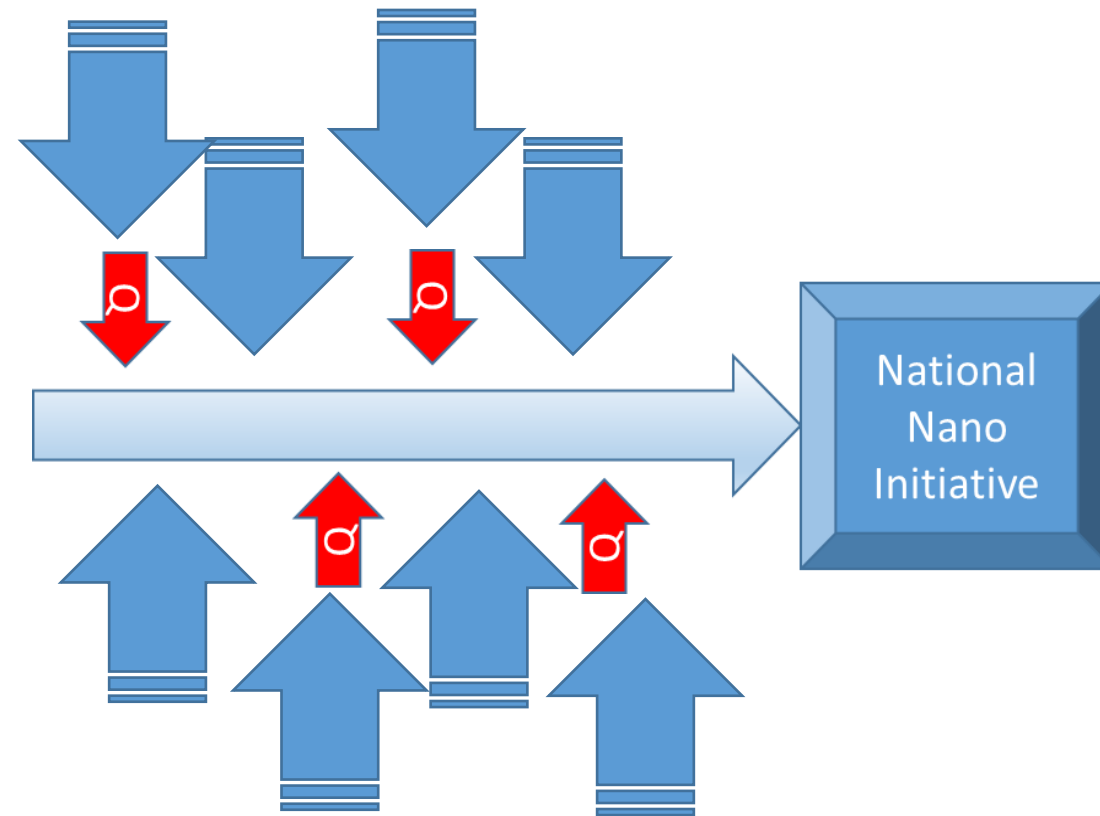
	Increase Technological Development?		
Increase Basic Science Knowledge?		No	Yes
	Yes	Bohr	Pasteur
	No		Edison

Table 1: Stokes' Quadrant Model (1997)

Big Science and Pasteur's Quadrant



Research Design





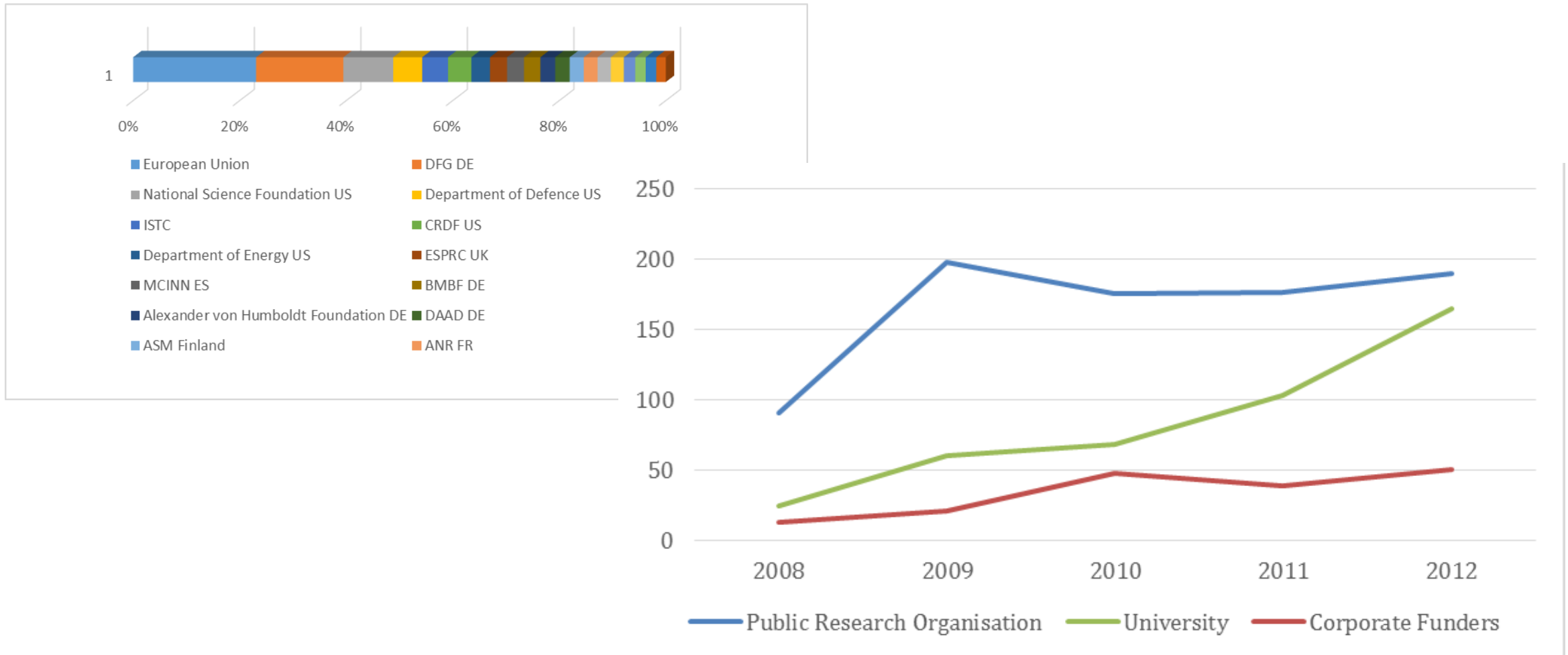
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Funding Bodies Russian





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Next Steps

Gain access to data for US and German contexts. *Continue triangulation of information from these contexts, compared to the*

Prepare Interview Text- *Comparison of science and policy community influences in relation to the data collected.*