



SKOLKOVO INSTITUTE OF SCIENCE AND TECHNOLOGY (SKOLTECH)

ACCELERATING INNOVATION

October 7, 2016

Mission – Accelerating Innovation

- New format of a university, mission key word – **impact**
- Skoltech is building integrated research/innovation programs to effectively meet the needs of industry and society, and educating graduate students to be leaders in translating knowledge from science to innovation,
- Using a fusion of exceptional Russian and international talent, key partnerships, and a world-class infrastructure, all embedded in the Skolkovo innovation ecosystem.

Skoltech is a new model of educational institution

Centers for Research Education and Innovation (CREIs)



Electrochemical Energy Storage

- Mono- and Multivalent Batteries
- Metal-Air Batteries
- Electrolysis and Fuel Cells
- Solar Cells



Data-Intensive Biomedicine and Biotechnology

- Study of Long Noncoding RNA in cancer and liver pathology
- New antibiotics



Energy Systems

- Asia Energy Supergrid project
- Distribution grid dynamics, stability and control



Photonics and Quantum Materials

- Development of materials based on low dimensional quantum systems



Hydrocarbon Recovery

- Integrated study of Bazhenov formation: assessment of oil fields and new technologies for oil recovery



Computational and Data-Intensive Science and Engineering

- Efficient solvers for changing shapes, shape optimization for complex
- Multiscale methods for material and structure design



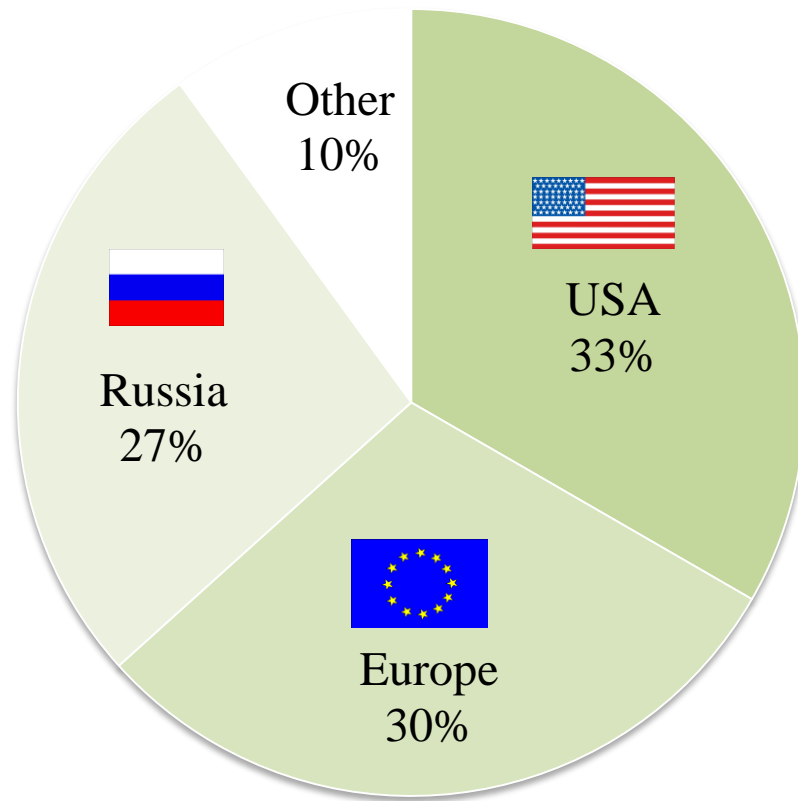
Design, Manufacturing and Materials

- Predictive models for damage and fatigue of fibre reinforced composites
- Simulation-based design of hybrid and nano-engineered composites

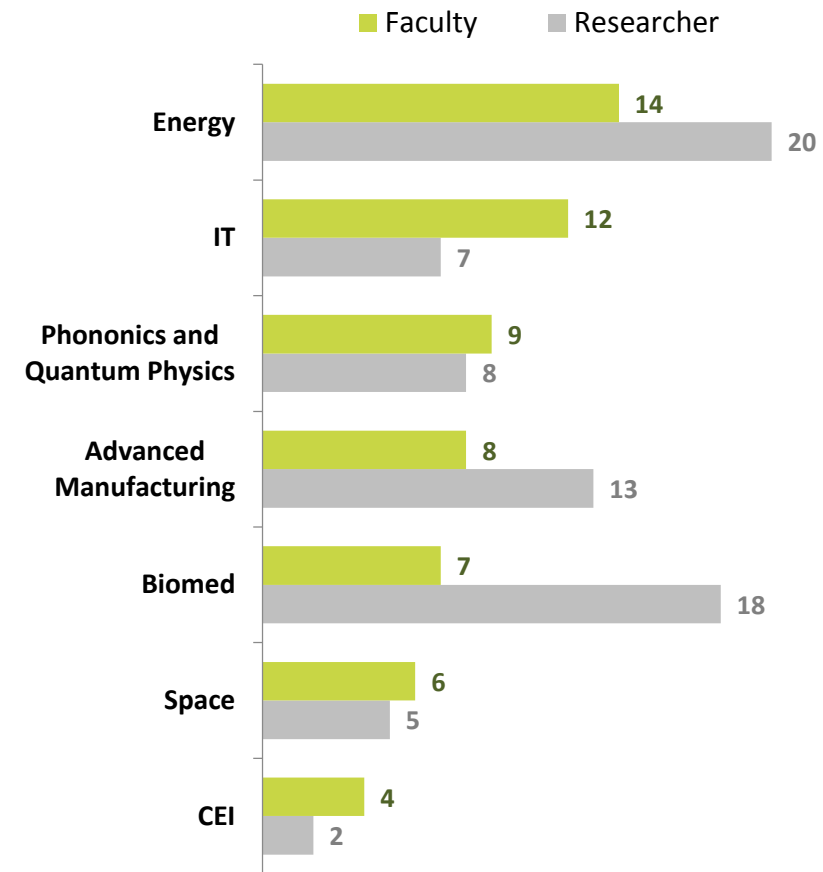


Space

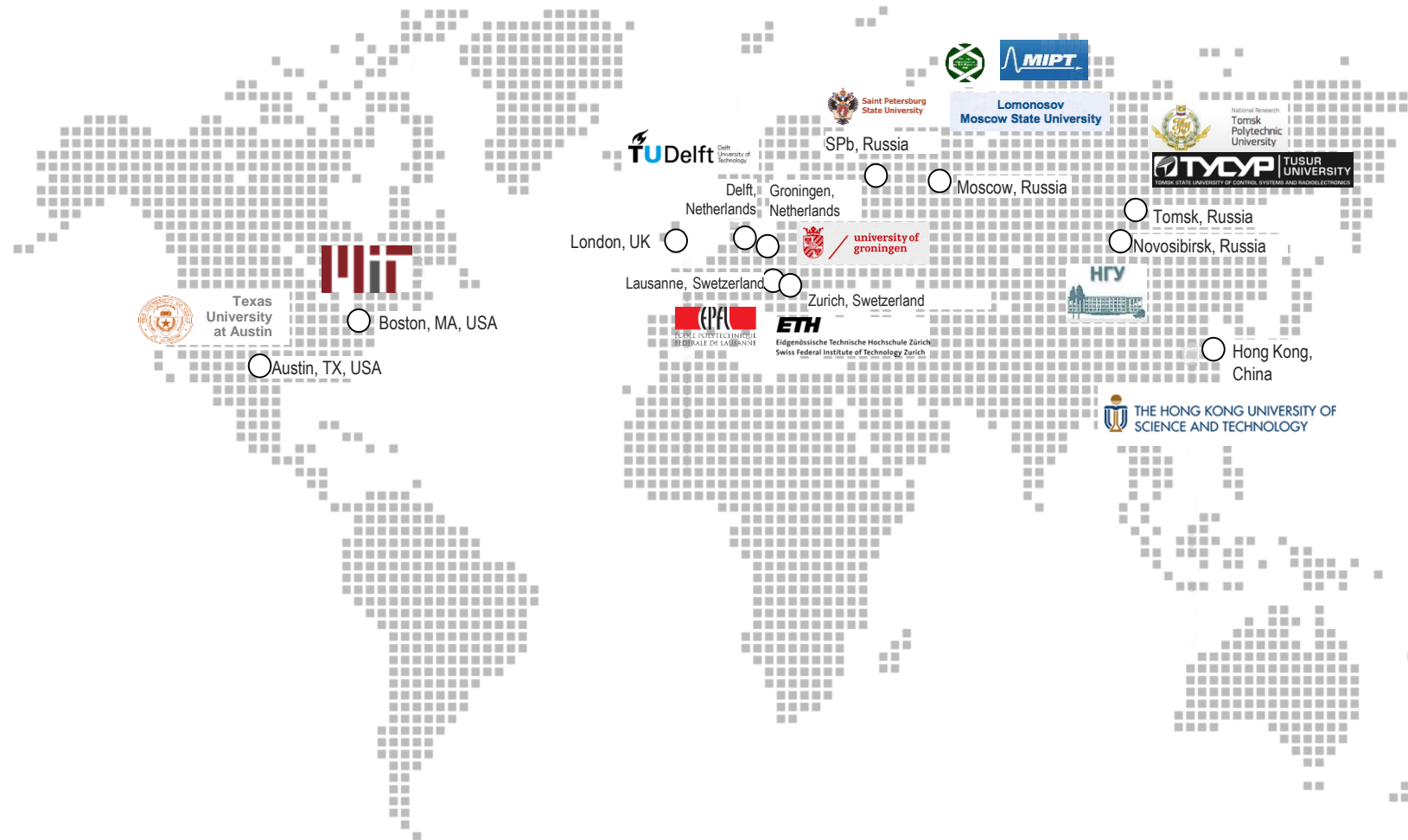
- System architecture: strategy and product development for complex systems



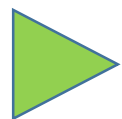
Origins of faculty hired, %



International Partners



Horizon 2020 projects @ Skoltech



PROGRESS (PRediction Of Geospace Radiation Environment and Solar wind parameterS)

http://ec.europa.eu/rea/pdf/progress_637302.pdf

180 K Euro for Skoltech

180 K Euro co-financing from Skoltech



OINION (Operational Network of Individual Observation Nodes)

http://cordis.europa.eu/project/rcn/199272_en.html

250 K Euro for Skoltech

100 K Euro co-financing from Skoletch

Direct Funding Peculiarities



- Euro payment
- No additional reports/proposals
- One financial report per 12 or 18 months
- Online system, no hard copies.



- Complicated formula for personal efforts and timesheets tracking
- Exchange rate possible losses
- Different accounting system

How to manage Horizon 2020 projects

Europa Media trainings:

<https://www.eustrainingsite.com/>

- Project Development
- Financial Management
- Technical Management

