



AEB Open Event:

Round Table “AEB-Skolkovo Partnership”



Philippe PEGORIER

**Member of the AEB Board,
Chairman of the AEB Committee
on Machine Building and
Engineering, President Alstom
Russia**

Welcome address

Michael AKIM

**Chairman of the AEB Working
Group on Modernization and
Innovations, Director for
Strategic Development, ABB
Russia**

Welcome address

Vasiliy BELOV

**Senior Vice-President for
Innovations, Skolkovo Foundation**

**The Results of the Skolkovo
Foundation's Work: Current
State of the Project
Development. Possibilities for
Corporate Partners**



Skolkovo

Innovation Centre

Opportunities for
industrial partners

Russia has high potential for innovations and R&D

14

2013

Global Innovation Quotient

Calculated for 200 countries. They are rated by rate of patent registration, concentration of researches, intensity of R&D, volume of investment in R&D etc.

Bloomberg


54 32

2007 _____ 2012

Global Innovation Index

Compares countries by degree of innovativeness, taking into consideration supporting ecosystem and output of innovative products.

INSEAD, WIPO

4

in Europe

2012

Dow Jones VentureSource

Evaluates venture markets by a number of criteria.

Wall Street Journal, Heritage Foundation


71 55

2009 _____ 2013

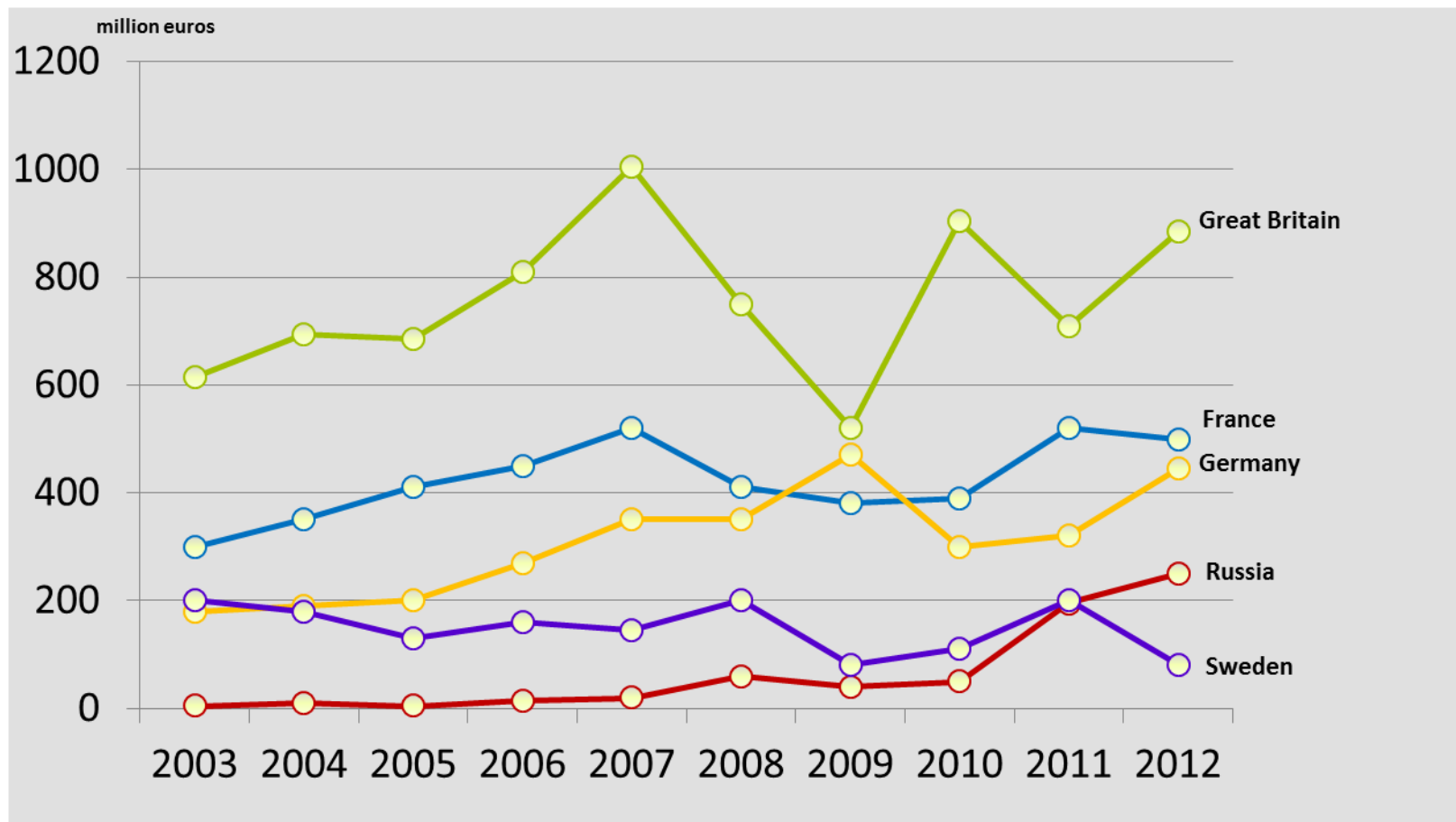
Human Development Index

Serves as a comprehensive estimate of life expectancy , literacy, level of education and income

UN

Venture investments in Russia are growing

Top 5 European countries by venture investments in high-tech



Note: without semi-conductors.

Source: Dow Jones VentureSource 2012.

Skolkovo is a strategic development institution established by the Russian Government

Small innovative enterprises



Science



State financing



Large business



Venture capital

DIVERSIFY THE RUSSIAN ECONOMY THROUGH INNOVATION AND ENTREPRENEURSHIP

INTEGRATE RUSSIAN SCIENCE AND TECHNOLOGY INTO THE GLOBAL ECONOMY

DEVELOP HUMAN CAPITAL THROUGH WORLD-CLASS RESEARCH

GROW COMPETITIVE KNOWLEDGE-BASED COMPANIES

Sk
Energy



Sk
Biomedical



Sk
It



Sk
Space



Sk
Nuclear



Skolkovo Institute of Science and Technology (SkolTech) – modern research institute created in collaboration with the MIT (Massachusetts Institute of Technology). Is a convenient platform for carrying out research and experiments, considering the concentration of technological and human resources, also serve as a source of personnel for corporate R&D centers and start-ups

Small and mid-size innovative companies (start-ups) create innovative technologies that can be used by large industrial companies

R&D centers are of key partners

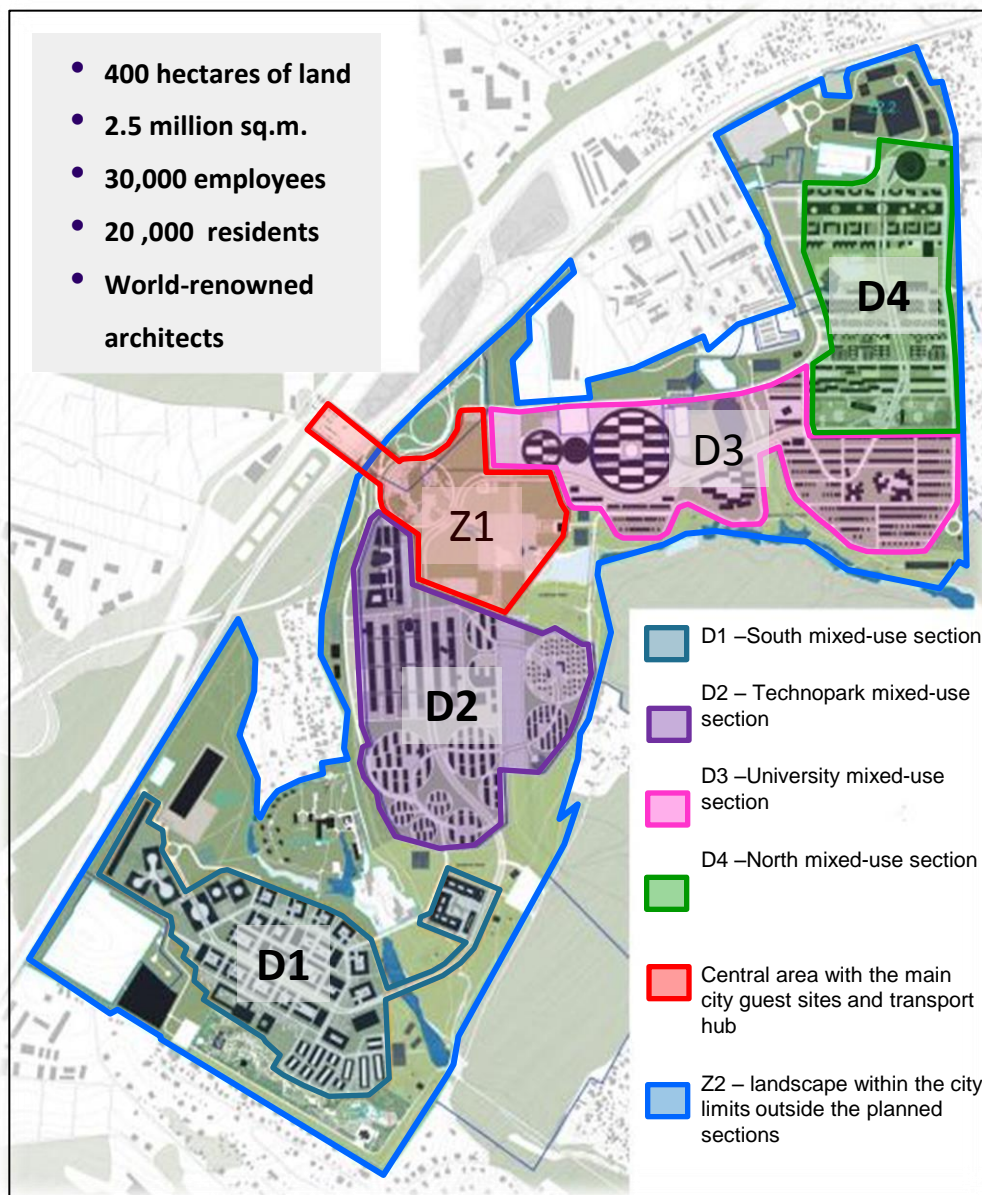
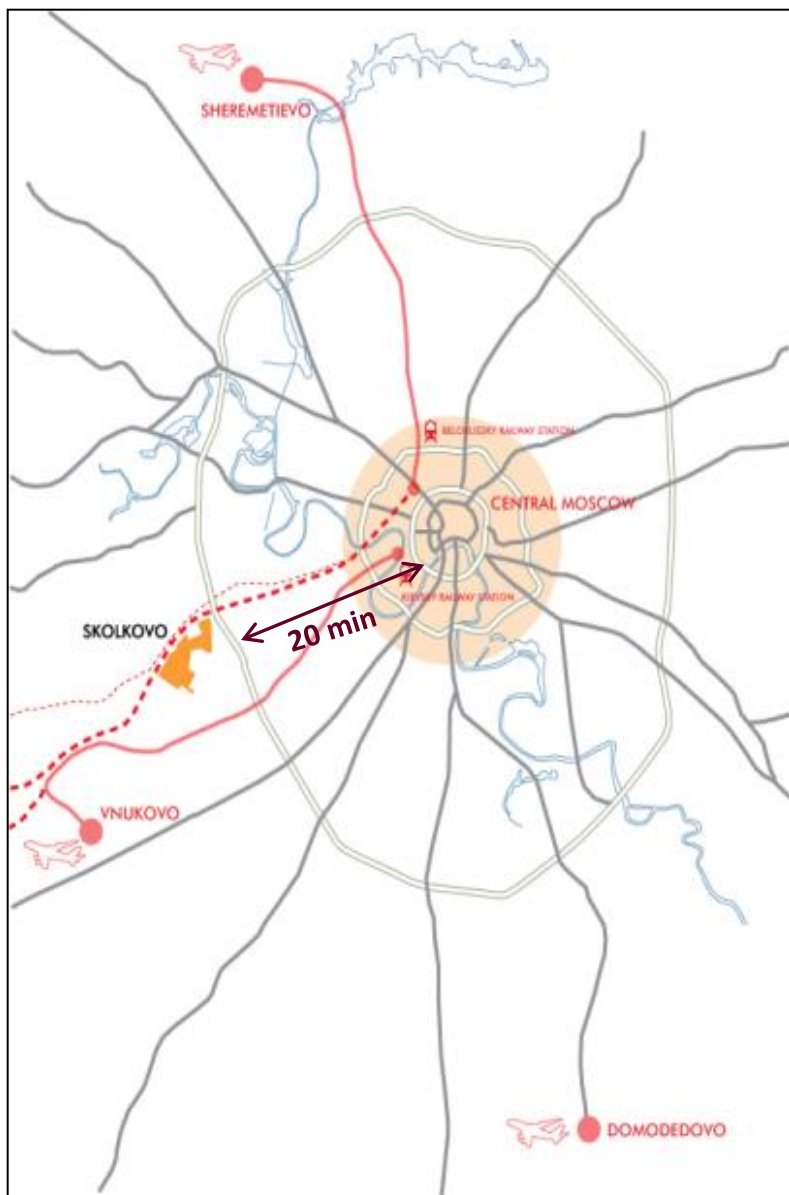
Large corporations interested in the development of innovations, commit to place its own R&D centre in Skolkovo. Target parameters of the R&D center are agreed with Skolkovo Foundation: quantity of personnel, budget and areas of research

It is possible to locate R&D center in Skolkovo:

- in own building
- in leased office and laboratory centers built by independent investors

In Skolkovo it planned more than 350 000 m² of R&D centers

The City of Skolkovo





SkolTech

The university has started practical work

80 students (masters, PhDs, postdocs)
28 teachers and professors
6 CREI created - Centers for Research, Education and Innovation



Investment

The group of investors is formed and commercial deals were closed

101 resident supported by accredited venture funds
2,5 billion rub. – investment agreements signed
25 billion rub. – non-binding commitments of accredited venture funds

as of December 2013



Start-ups

1020 start-ups
13 thousand* jobs
2 billion rub.* revenue
170* applications for registration of IP
14 Shared-use Centres accredited



R&D Centres

Hi-tech corporations are attracted to Skolkovo

30 R&D centres of key partners have signed an agreement to be located at Skolkovo
3500 employees by 2016
25 billion rub. of private investment in R&D Centres by 2016



City

In 2013 investment agreements and construction contracts were signed. Construction works of main buildings for the ecosystem residents began

- Technopark (I and II stage)
- SkolTech
- Residential premises in zone D2

In 2014 will be put into operation:

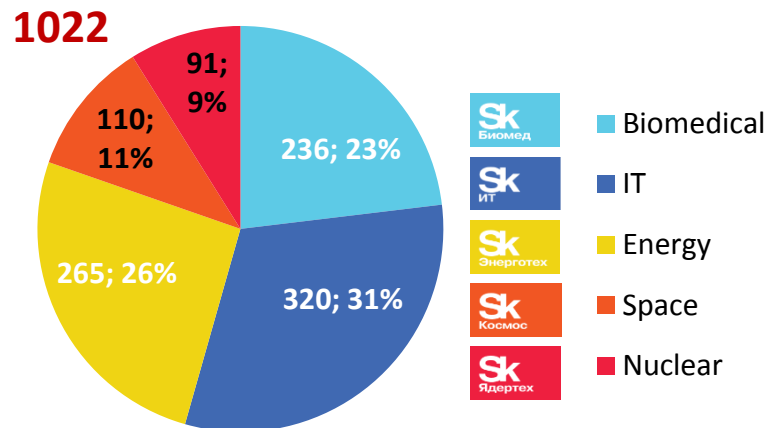
- Technopark (I stage)
- Renova-Lab
- Skolkovo Business Centre ("Matryoshka")

Skolkovo attracts startups from all over Russia

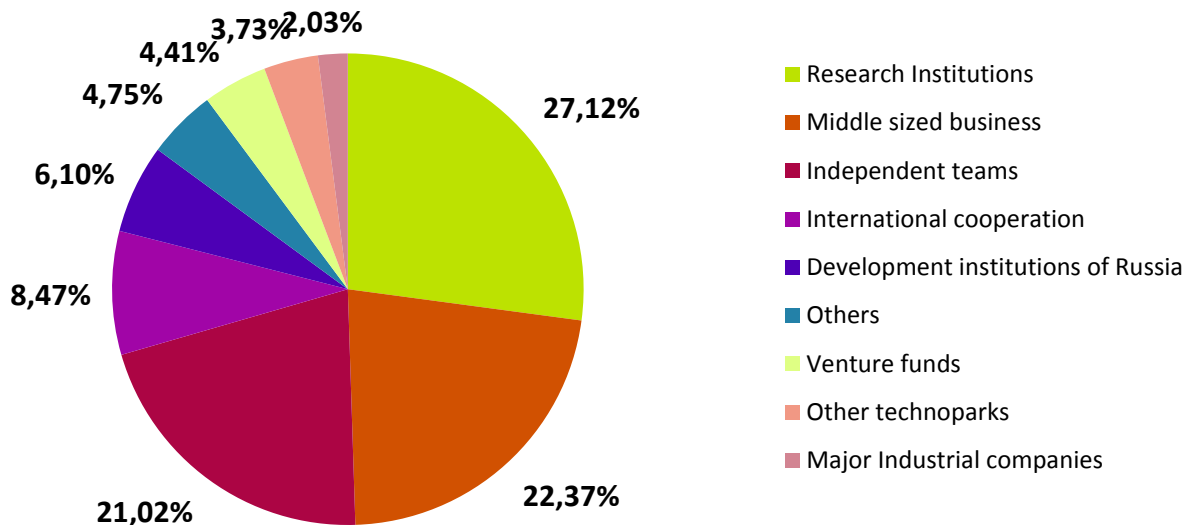
44 regions. Over 40% of the startups come from cities other than Moscow



Projects structure by clusters

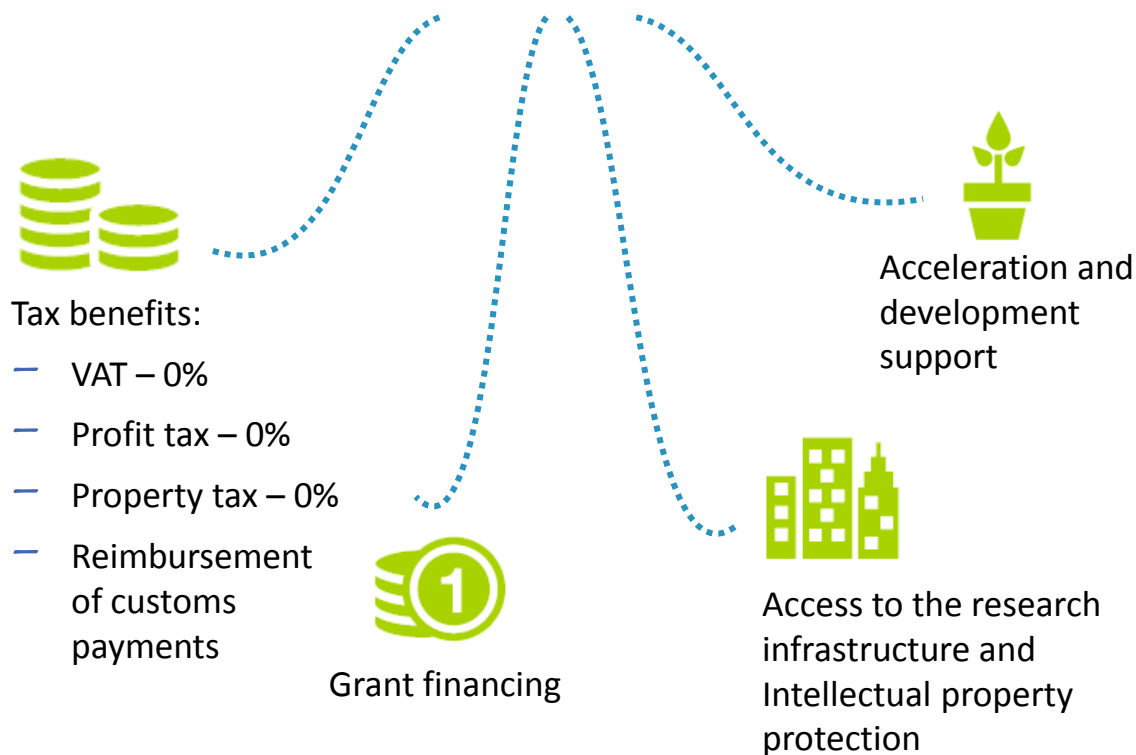


Where our startups come from



Skolkovo startups get the state and administrative support

The Skolkovo startups get:



Skolkovo Startups - are those companies, which have proposed innovative solutions to the most significant scientific, social and economic problems. We encourage innovations in five key branches:



The results of the Skolkovo startups innovation activity:

\$ 315 Mln. of revenue

13,2 K working places

275 IP applications

Key Industrial Partners of Skolkovo






- **Greatest minds** - Skolkovo is the centre of attraction for to the top scientists and engineers from all over Russia, providing unique source of human resources
- **Cost-effective placement of R&D center** in Skolkovo - Significant tax exemptions (Social taxes 14% instead of regular 30%; 0% - income tax, property tax, custom duties for import of equipment and materials for research). Land for construction of corporate R&D centres is provided almost for free
- **Cutting-edge technologies** created by startups, which receive substantial financial and mentoring support from Skolkovo Foundation
- **Leading scientific expertise** - Convenient to conduct research and experiments in cooperation with SkolTech (The Skolkovo Institute of Science and Technology) and its partner universities in Russia and worldwide
- **Laboratory infrastructure** of SkolTech and Technopark
- **Access to Russian government and policymakers** (legislative initiatives/GR) via your place in Industrial Advisory Board - Skolkovo is developing under the strong support from the federal government, which is actively participating in its development. R&D centre at Skolkovo provides exceptional visibility and access to state authorities
- **Comfortable conditions for work and life** in the unique city infrastructure specially developed to host demanding top professionals
- **Locating R&D close to the huge market of Russia**

Unique Tax benefits in Skolkovo

Special Federal Law outlines the terms for the Participants of the Project to create the Skolkovo Innovation Centre

Taxes on payroll		
		
Social charges	14%	30%

Import of laboratorial equipment		
		
Custom duties	0%	5-35%

Property and profit taxes		
		
Property tax	0%	2,2%
Income tax	0%	20%

Construction	
	
Land lease	3 USD/м ² /year
Connection to utilities	Minimal

Tax benefits are provided during a 10 year period if the annual revenue does not exceed 1 billion rub. and profit is less 300 million rub.

Start-ups

New ideas search

- Holding contests for innovative ideas

Development

- Provision of Acceleration programs and Mentoring
- Organization of Training programs

Commercialization

- Ordering research from residents
- Testing and launching pilot projects

Investments

- Venture investments

SkolTech

- Internship for SkolTech students
- Participation in development and financing of SkolTech CREIs (Centers for Research, Education and Innovation)
- Creation and co-financing of Applied Research Centres

Innovative Environment

- Open University of Skolkovo (OpUS) – promoting innovative entrepreneurship
- Skolkovo Foundation events – attracting new residents and partners for the Skolkovo project, stimulating interaction between various elements of the ecosystem



The "I-Prize" contest – an open contest "Innovations Award of Skolkovo " aimed to support the Russian startups working in development and application of network and cloud technologies in the fields of energy saving, health care and education – took place in 2013. The contest's final in September, 2013, named three winners who received awards in the form of grants from Cisco in the total amount of 5,25 million rubles.

"Favor-IT" is a competitive selection of the best investment projects together with the key partners (SAP, EMS), venture fund (Maxfield Capital) and "Bortnik's Fund". The best projects will have a chance to apply for mentorship and financial support from the organizers. The selection final is in June, 2014.

"IBM Smart Camp" contest is a search of the strongest startup in the field of innovative technologies potentially interesting to IBM. In June 2013 the Skolkovo resident (JSC STEK) won the contest and was granted by IBM the access to a 3-month mentoring program and assistance in entering the market.

"SAP Big Data" is a search of the strongest startup in the field of Big Data. In October 2013 the Skolkovo resident (Vision Labs) became the winner with an opportunity to develop its project on the basis of SAP labs for 6 months and be trained at SAP.

Competitive selection of innovative projects in power-engineering – Energy Efficiency Cluster carried out in March-December 2013 in co-operation with the large industrial and energy companies. The companies set up particular technical parameters to be reached and took part in the jury in fields of their professional interest. The winners will be granted up to 5 million rubles by the Skolkovo Foundation. Industrial partners will have access to the results of R&D.

Company

Defines the format of setting up an R&D Centre at Skolkovo:

- Areas of R&D
- Staff number
- Investments

Prepares presentation for the future R&D centre

Cluster

Initially determines the appropriateness and the format of setting up the R&D Centre at Skolkovo, prepares a draft agreement and recommends the Board to provide Partner status

Foundation Board

Takes a decision on the possibility of signing the Agreement and granting Partner status

Agreement on Establishing an R&D Centre

- **Status of Partner** (Key Partner) = the right to set up an R&D Centre at Skolkovo
- **Tax concessions** are provided on the Partner's application on condition that the signed agreement for partnership is observed

Foundation Council

Takes a decision on the possibility of signing the land leasing agreement (in case of own building for R&D Centre construction)

Land Leasing Agreement

- **Land “for free”** for the construction of an R&D Centre building is provided

Vasily Belov

Senior Vice-President on Innovations

vbelov@sk.ru

+7 (495) 967 01 48

Mikhail Tykuchinskiy

Head of Intercluster Group for Cooperation with
Industrial Partners

Development Director, Energy Cluster

mtykuchinskiy@sk.ru

+7 (910) 434 1930

Martin GITSELS

**Head of Corporate Technology
Department, Siemens Russia**

**Experiences of the Companies-
Residents of Skolkovo**

Dmitry SHULGA

**Vice-President, Governmental Affairs &
External Relations, Schneider Electric**

**Experiences of the Companies-
Residents of Skolkovo**

Alexey PONOMAREV

**Vice-President for Industrial
Cooperation and Public Programs,
Skoltech**

**Skolkovo Institute of Science
and Technology (Skoltech):
Possibilities for Industrial
Cooperation**



**AEB Open Event:
Round Table
“AEB-Skolkovo Partnership”**

January 30, 2014



**Skoltech – Opportunities
for Collaboration with Industry**

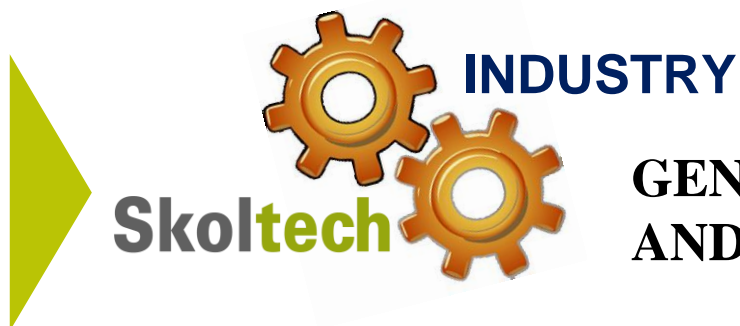


Alexey Ponomarev

*Skolkovo Institute for Science and Technology
Vice-president for industrial cooperation and public programs*



GENERAL DESCRIPTION OF SKOLTECH



GENERAL PRINCIPLES AND INSTRUMENTS



SKOLTECH INDUSTRIAL PROJECTS

Skoltech

Сколковский институт науки и технологий



ABOUT
SKOLKOVO
INSTITUTE
OF SCIENCE
AND TECHNOLOGY
(SKOLTECH)

General Description




Skoltech at a Glance:

- A new Russian institution in an **international context**.
- **200** faculty, **300** post-docs, **1200** graduate students by 2020.
- On a **new campus** to be built in Skolkovo.



Skoltech's Mission:

- Become a **gate to the best world research and science groups**.
- To keep the balance between **basic research** and **advanced research** aimed at being transferred into Russian companies.



Skoltech's Support:

- Considerable **start-up support** from the Government.
- **Financial support from the Russian industry:**
 - Endowment filling.
 - Co-funding within Skoltech research projects.

A large yellow arrow pointing to the right, positioned to the left of the section header.

Governmental Expectations from Skoltech:

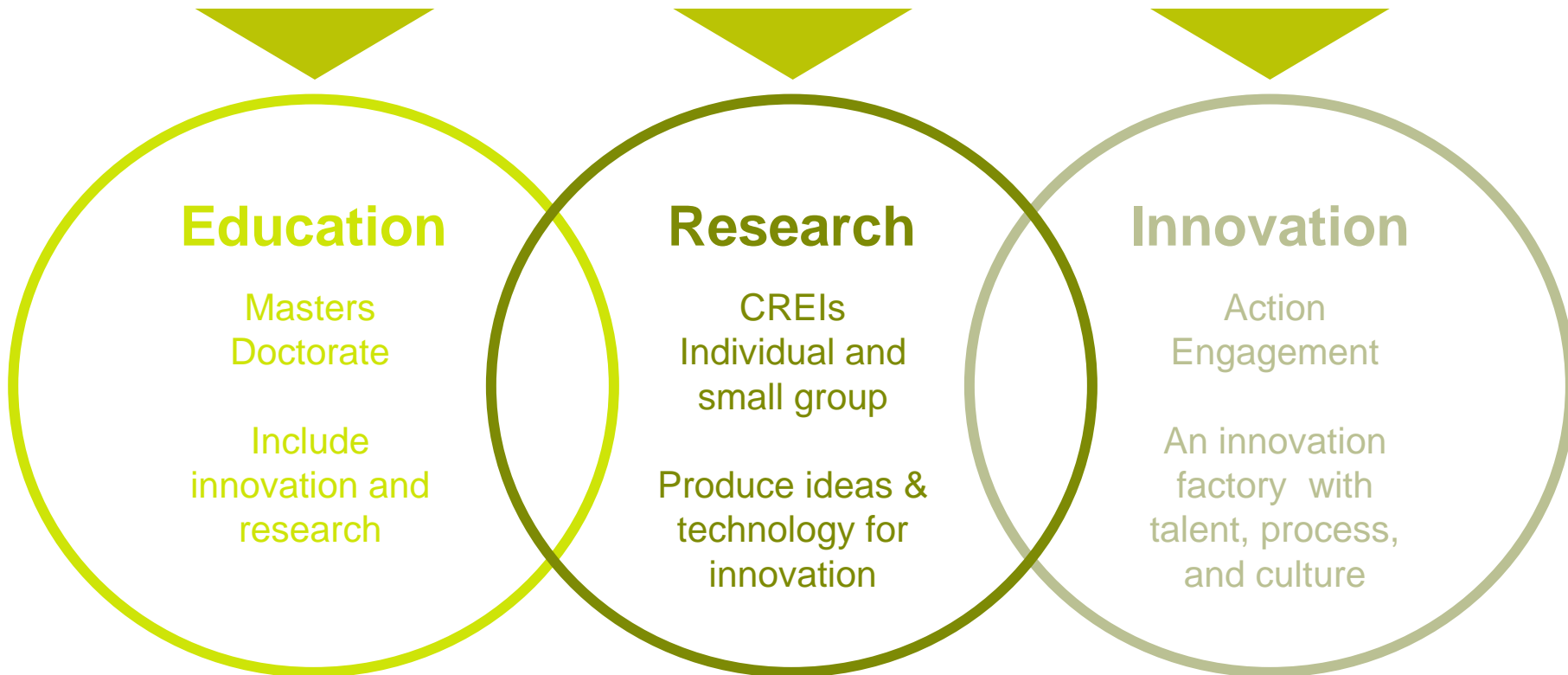
- **Developing educational programs** in top-priority directions for industry.
- **Providing industry with research** according to the new technological industry needs.
- Setting-up new **effective mechanisms of collaboration** between education, science and industry as a new issue of post-soviet culture in education and science.
- Easing the **access to international research and educational network** to exchange knowledge and competences in science and education with the world's top players.

Main goals - stakeholder's view

- To bring new competences to support industrial programs (“bridge”)
- To be a model to support changes in Russian R&D and Education (“model”)
- To be an intellectual part of Skolkovo Innovation Center (“core”)

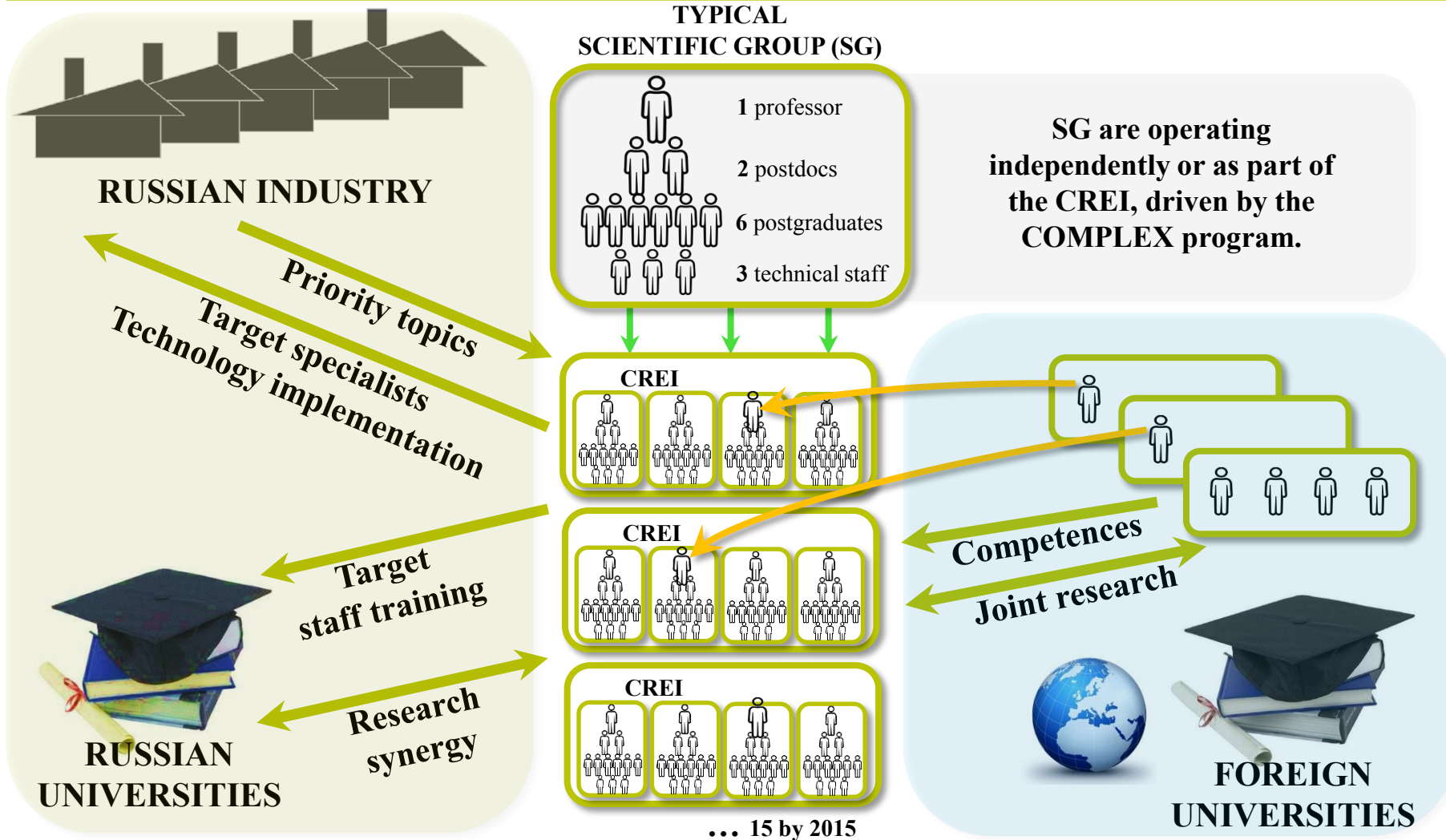
General Description

Interconnected Research, Education and Innovation.



→ **Mission:** To have educational, scholarly and economic impact in the Russian Federation and around the world

SkT-IND – Principles and Instruments





COLLABORATION
WITH INDUSTRY –

GENERAL
PRINCIPLES AND
INSTRUMENTS

SkT-IND – Principles and Instruments



Different Types of Joint Projects:

- Research long-term and short-term projects.
- Educational programs for industrial experts.
- Faculty sabbaticals in industry and vice versa.
- MIT designed students' internship program "Industrial Immersion".

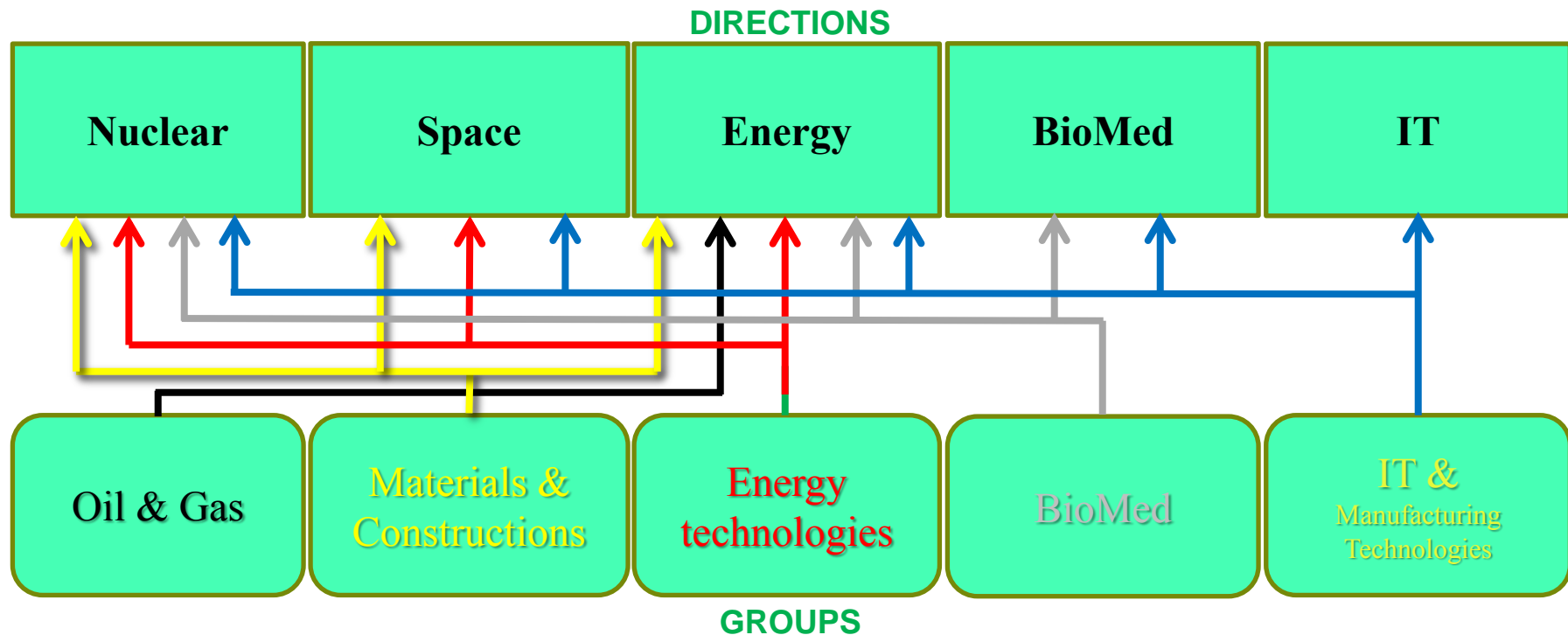


Open Form of Interactions

- Industry is welcome to interact with any Skoltech faculty or any Skoltech office on any issue.
- Industrial Partnership Office (IPO) is in charge of long-term projects and Consortia-based projects.

SkT-IND – Principles and Instruments

Skoltech Industrial Advisory Groups



- ➔ **Advisory Group** – a platform for coordination of industrial issues.
- ➔ **Members of Advisory Groups** – R&D and technological experts.

SkT-IND – Principles and Instruments

Oil & Gas

Gazprom Neft Rosneft Zarubegneft Tatneft Novatek
Lukoil Salym Petroleum Transneft

Materials & Constructions

Russian Railways United Aircraft Corporation Uralvagonzavod
Russian Highways Rocket and Space Corporation “Energia”
Russian Helicopters Oboronprom Rosatom ApATeCh

Energy technologies

Russian Grids INTER RAO En+ VNIPIenergoprom RAO ES
RusHydro UES System Operator Energy Forecasting Agency

BioMed

R-Pharm GosNIIGenetika Biocad
Chemrar PetrovaxPharm InterLabService
Pharm-cluster of Kaluga BioPharm-cluster “Severnij”

IT

ABBYY Microsoft Rus TechnoServ Rostelekom
IDC Intel EMC IBS 1C
Association of Software Developers “Domestic software”

...and many others



SKOLTECH INDUSTRIAL PROJECTS

IPO-LED PROJECTS

General Description

Summary of Skoltech High Priority Directions:

(generated by the science community and by the industry)

Energy:

- Hydrocarbon fuel production and transportation
- Hydrocarbon processing
- Electrical power systems generation and distribution
- Electrical energy storage

Biomedicine:

- Computational and systems biology
- Immunology and infectious disease
- Gene- and nano-medicine
- Regenerative medicine

Nuclear:

- Nuclear energy safety
- Materials for extreme environments
- Non-energy applications

IT:

- Machine learning and AI
- Advanced computing systems
- Big Data
- Electronics materials and device
- Quantum physics/technology

Space:

- Supporting humans in long term space exploration
- Small satellites
- Utilization of space data

Cross-cutting:

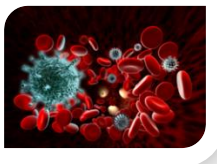
- Advanced materials
- Computational and data-intensive science & engineering
- Human engineering and cognition

→ 3 CREIs based on the best selected proposals of the round 1:



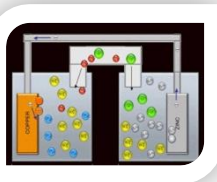
→ STEM CELLS CENTER

- Director appointed (Prof. Anton Berns)
- Start operating in June



→ INFECTIOUS DISEASES AND HUMAN HEALTH CENTER

- Finalizing procedures of director appointment
- Finalizing operational plans

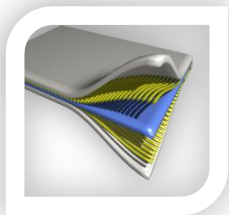


→ ELECTROCHEMISTRY ENERGY CENTRE

- Director search negotiating with two main candidates
- Working on operational plans

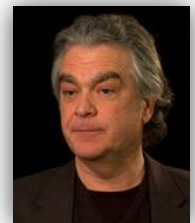
Skoltech IPO Industrial Projects

**3 projects are being designed
in close cooperation with industry:**



ADVANCED MATERIALS AND STRUCTURES

→ Director Prof. Zafer Gurdal



COMPLEX ENERGY SYSTEMS DESIGNING

→ Director Prof. Janusz Bialek

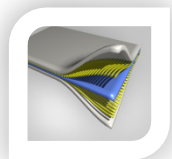


HYDROCARBON RECOVERY

→ Director Prof. Iskander Akhatov



Skoltech IPO Industrial Projects



ADVANCED MATERIALS AND STRUCTURES

Physical mechanics of metal-, ceramics- and polymer-based materials and composites of structural parts for designs with a multimodal structure.

- Materials, composites, coatings and structures capable of adapting to external forces (force, temperature, radiation, frequency, etc.).
- Physical mechanics of organic binding agents.
- Tribology, friction, and wear in critical parts of complex structures.



Skoltech IPO Industrial Projects



ENERGY SYSTEMS

Focus on smart grids, energy markets, joint infrastructures, energy hardware:

- Theories, methods and algorithms of intellectual energy management systems.
- Complex socio-economic, cyber-physical models of future energy systems.
- Energy infrastructure fragility/resiliency, market structures and interdependence.
- Alternative renewable energy (wind, solar, geothermal, etc.).
- Superconductivity, technological solutions based on superconductivity.



Skoltech IPO Industrial Projects



HYDROCARBON RECOVERY

Focus on new knowledge and new solutions for “hard to recover” resources, unconventional hydrocarbons and production at harsh conditions:

- Brown oil fields, carbonate, fractured and anisotropic reservoirs.
- Tight oil (Achimov and other low permeable formations).
- Shale oil (Bazhenov formation).
- Heavy oil and natural bitumen .
- Gas condensate fields, unconventional gas, gas hydrates.
- Arctic shelf and polar regions.
- Geothermal systems.



THANK YOU FOR YOUR TIME!

Alexander ADADUROV

**Chief Investment Officer of OOO ODAS
“Skolkovo”**

**Perspectives of the
Infrastructure Development of
the Skolkovo Innovation Center**



IC “Skolkovo”

Current status

IC "Skolkovo"

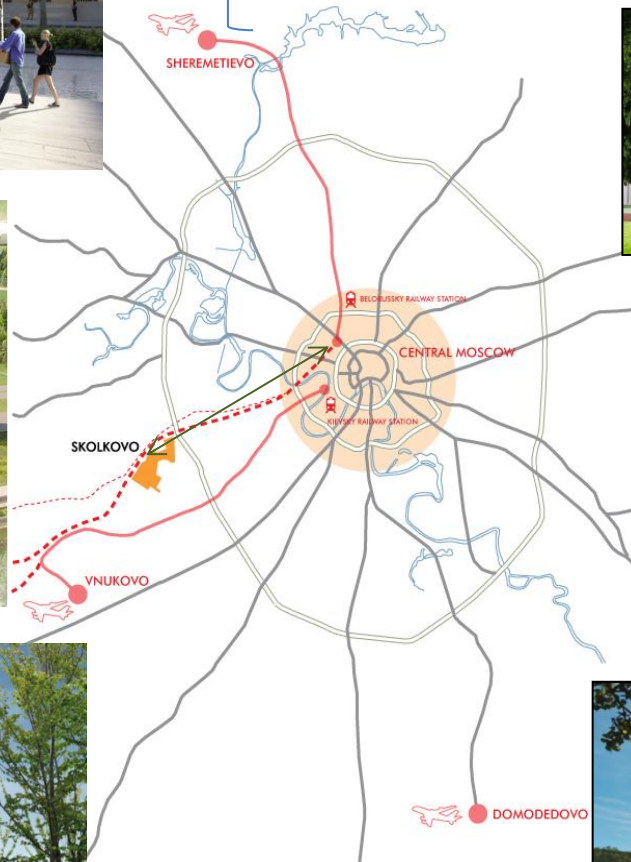
Unique location and transport accessibility



Public access – transportation hub

- Railway – Direct access from Belorusskaya railway station
- Metro – new station at Skolkovo targeted for 2016 - 2020
- Shuttle buses – from Kutuzovsky highway and existing metro stations in close proximity

Car access – non traffic-light access from city center via Kutuzovskiy highway



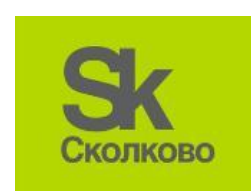
**20 minutes by car or rail
from Moscow city center**

For information purposes only. Subject to change as per project development progress.



IC “Skolkovo”

Integral city planning and versatile world-class renowned architecture



Valode & Pistre



AREP

Kazuyo Sejima + Ryue Nishizawa/
SANAA

David Chipperfield Architects

PROJECT MEGANOM

SPEECH
ЧОБАН & КУЗНЕЦОВ

HERZOG & DE MEURON

stefano boeri architetti

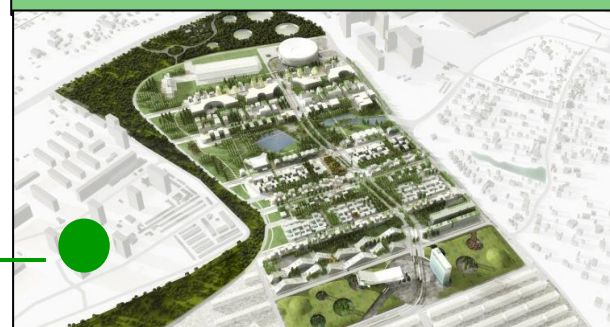
District D2



Central Guest Area Z1



District D4



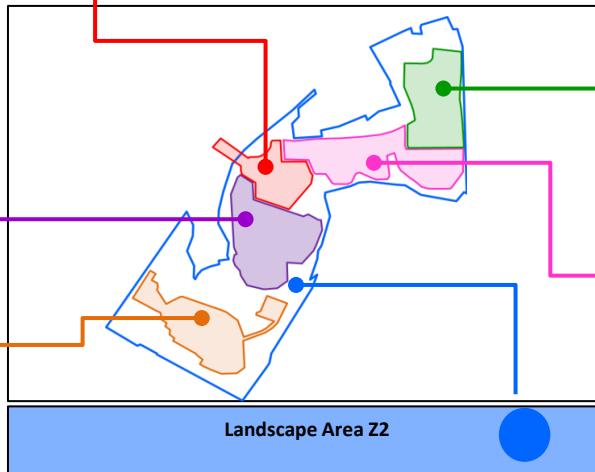
District D1



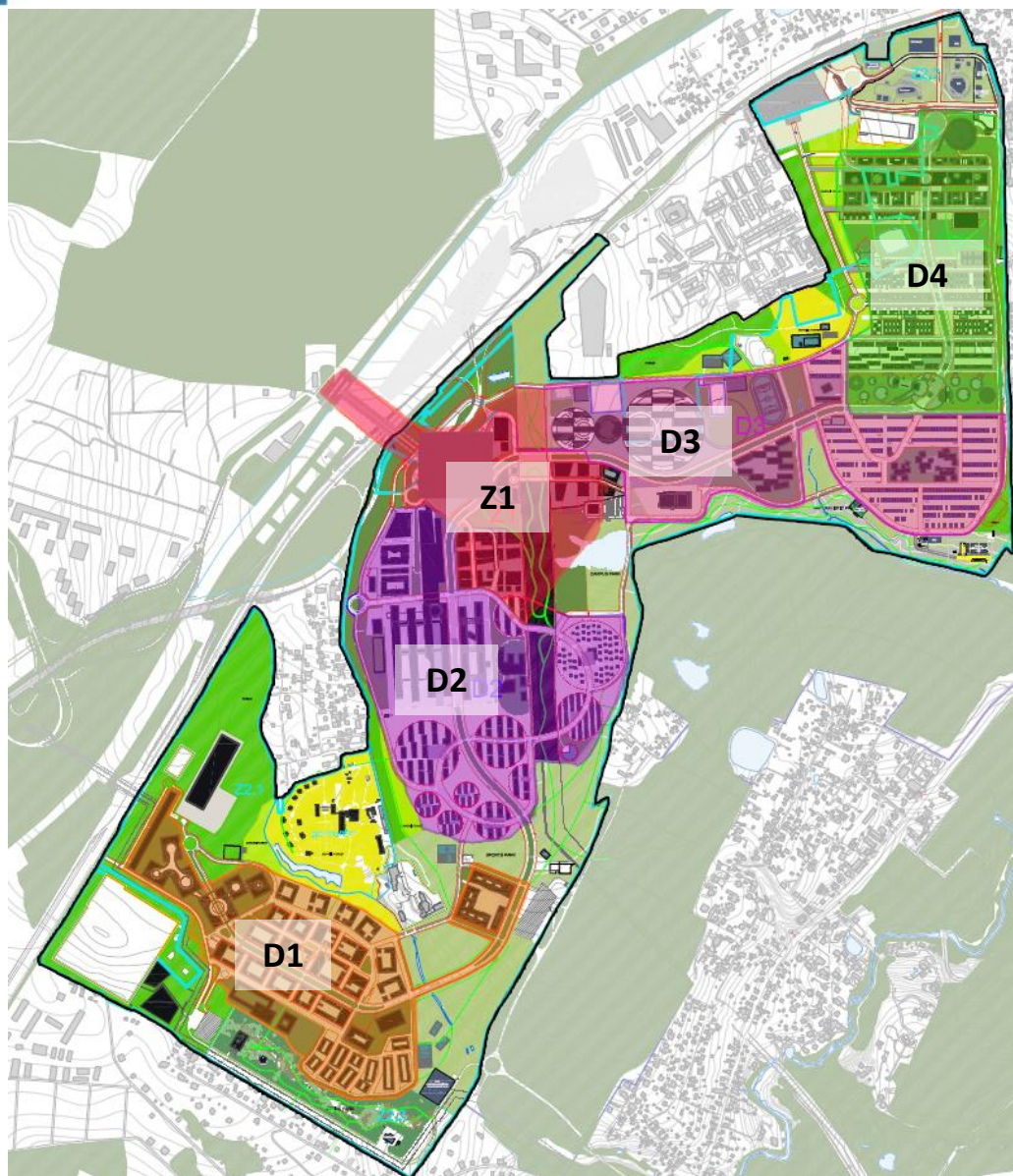
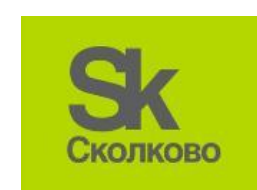
District D3



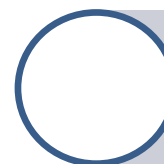
Landscape Area Z2



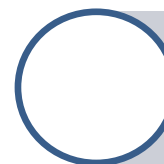
IC "Skolkovo" Master Plan



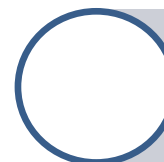
***Comprising 4 mixed-use areas,
Central zone Z1 and landscaping
zone, IC Skolkovo is a truly***



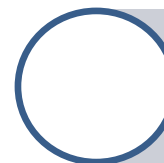
IC Skolkovo area:
over 400 Ha



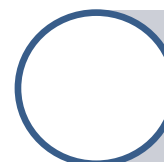
Location:
West of Moscow, approx. 2 km from MKAD



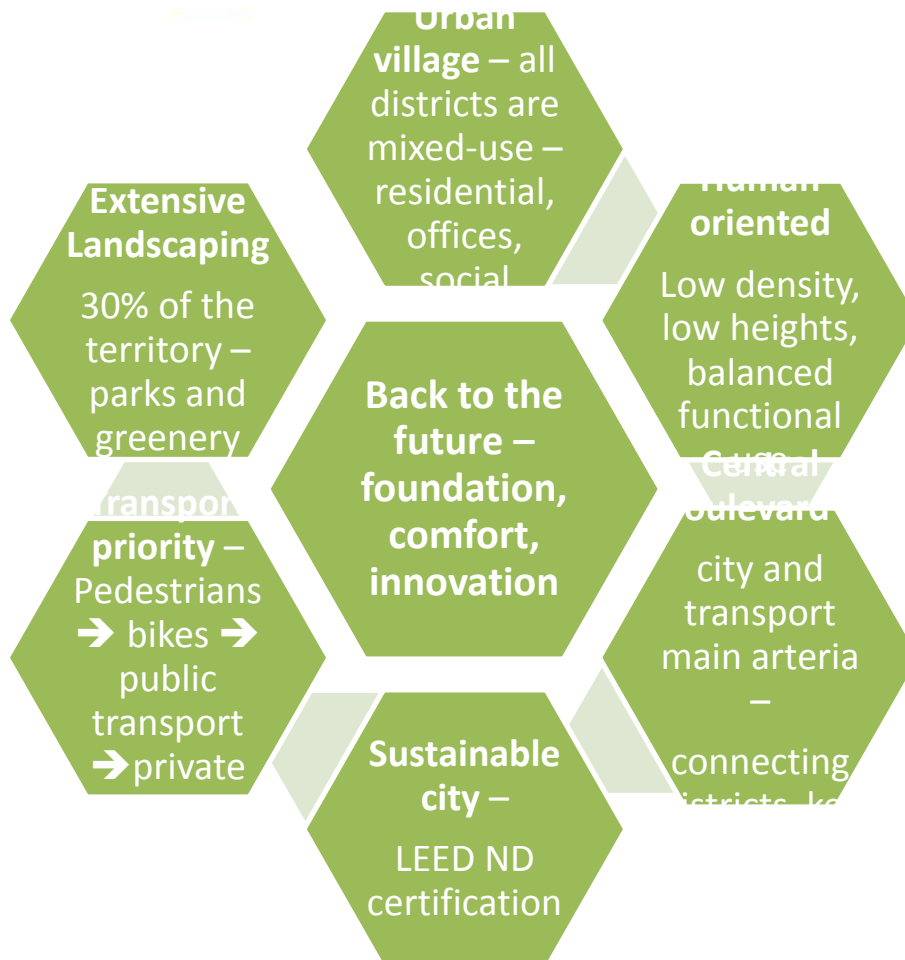
GBA:
over 2,5 mln. sq.m. - different functional
use



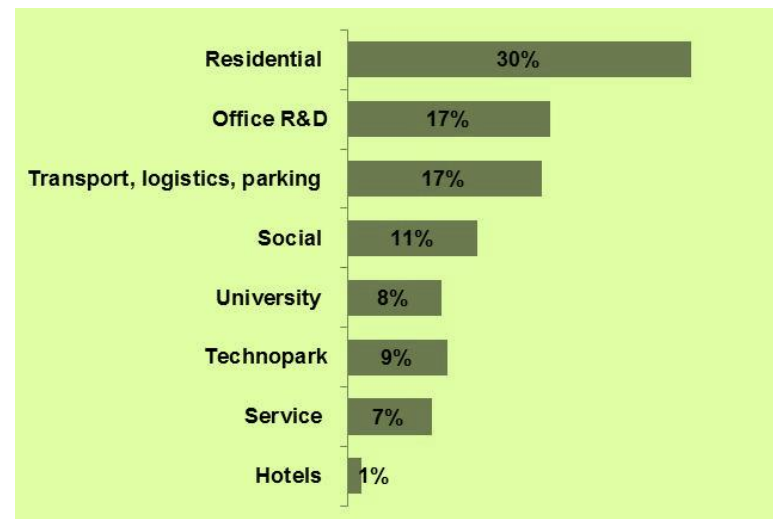
Residents:
More than 25 000 people



Visitors:
More than 30 000 people daily

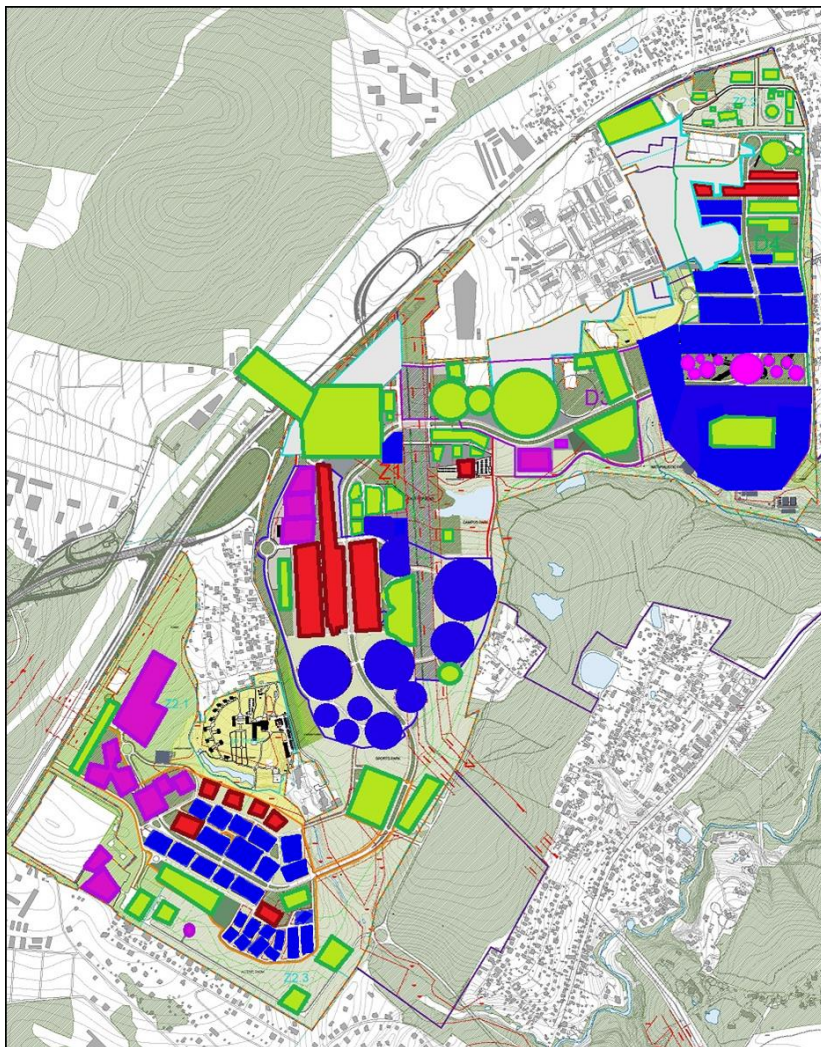


IC Skolkovo – functional composition



IC "Skolkovo"

Focus on infrastructure



- 1 Apartments, townhouses, cottages
- 2 Commercial areas: Key partner offices
- 3 Commercial areas: Skolkovo
- 4 residents – innovation companies
Social and transport infrastructure:

- ✓ Transportation hub
- ✓ Underground parkings
- ✓ Above ground parkings
- ✓ Skolkovo Skoltech-MIT university
- ✓ High and secondary school
- ✓ Primary school
- ✓ Kindergartens
- ✓ Sport centers
- ✓ Retail facilities
- ✓ Museum
- ✓ Theater
- ✓ Exhibition center
- ✓ Medical centers
- ✓ Police station
- ✓ Post office
- ✓ Hotels
- ✓ etc.

IC "Skolkovo"

Focus on infrastructure

Z1 District

Key Projects (~ 335k m²):

- Hotels
- Retail
- Offices
- Cultural & Art Center
- City Hall
- Apartments
- City Parking

D4 District

Key Projects (~ 470k m²):

- Offices & R&D Centers
- Apartments
- Kindergarten, primary school
- City Parking
- Logistic Center
- Fitness Center

D3 District

Key Projects (~ 490k m²):

- Offices & R&D Centers
- University
- Apartments
- Kindergarten, primary school, high school
- Fitness Center

D2 District

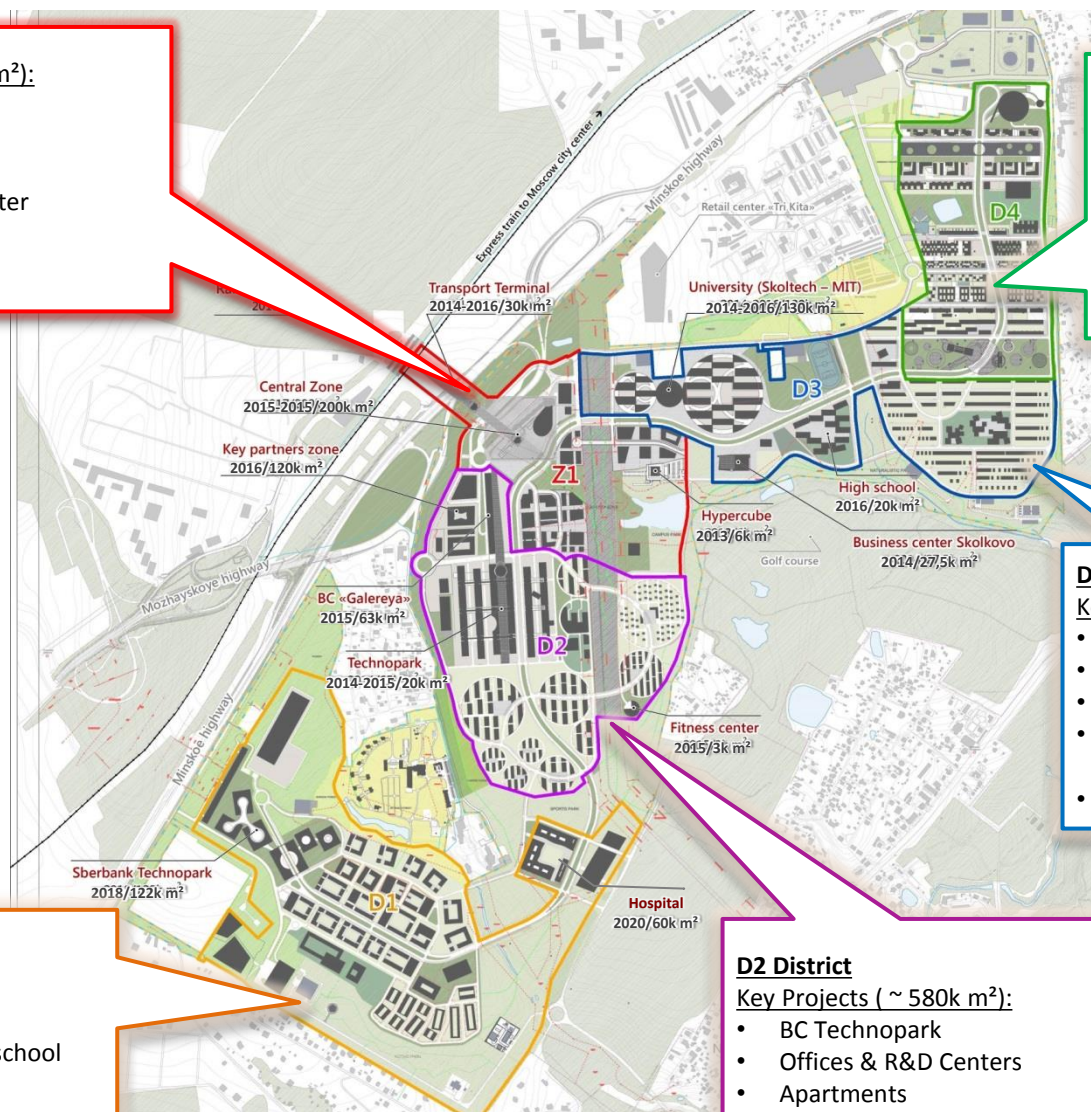
Key Projects (~ 580k m²):

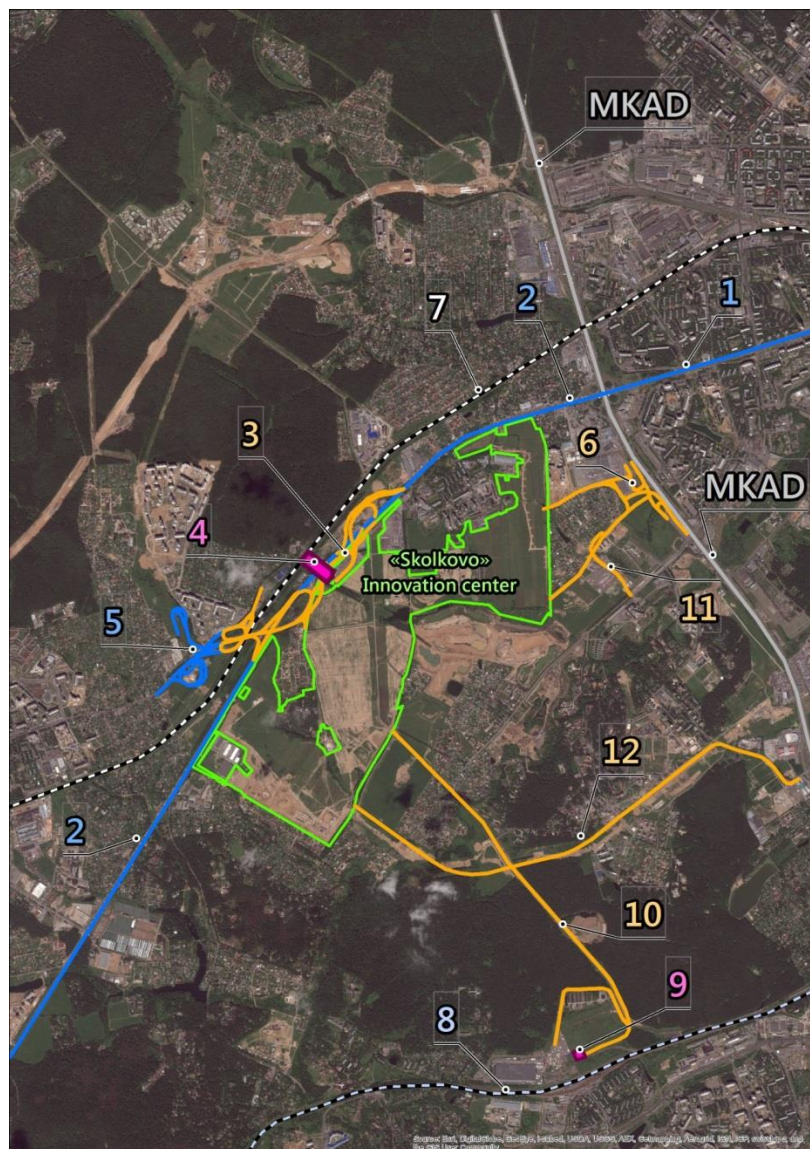
- BC Technopark
- Offices & R&D Centers
- Apartments
- Kindergarten, primary school
- City Parking

D1 District

Key Projects (~ 470k m²):

- Offices & R&D Centers
- Apartments
- Kindergarten, primary school
- City Parking
- Sberbank data Center
- Hospital
- FSK





	Class of work	Delivery	Contractor
1	Reconstruction of road network from intersection "Garden Ring/Noviy Arbat" to intersection "Mozhayskoye highway/MKAD"	2014	Moscow City Government
2	Reconstruction of M-1 highway from 16th to 27th km	2015	Government company "Avtodor"
3	Construction of road junction at 19th km of M-1 highway	2014	Government company "Avtodor"
4	Construction of Skolkovo transportation hub	2015	LLC "Finmarkt"
5	Reconstruction of road junction at 19th km of Mozhayskoye highway	2014	Moscow Region Government
6	Ingress/egress point construction from 52nd km MKAD to Skolkovo (D3 and D4 districts)	2014	Moscow Region Government
7	Construction of railroad from Belorussky Railway station to Skolkovo transportation hub	2015	OJSC "RZD"
8	High-speed train "Aeroexpress" from Moscow to "Novoperedelkino" station	2014	OJSC "RZD"
9	Construction of IC "Skolkovo" public transport station nearly "Solnechnaya" railway station	2015*	Moscow City Government
10	Road construction from public transport station of "Solnechnaya" railway station to Skolkovo	2015*	Moscow Region Government
11	Road construction from Skolkovskoe highway to D3 District at Skolkovo	2014*	Moscow Region Government
12	Road construction from 50th km MKAD to Skolkovo through Bakovsky forest	2015*	Moscow Region Government

* Construction and installation work has not commenced yet

IC "Skolkovo"

Transport-parking infrastructure



Built-in parking areas, allowing for drive-in of personal cars with gasoline engines and with direct access from parking to the buildings, are located only in 5 areas of IC "Skolkovo". Additionally, 4 aboveground city intercepting parking's are envisaged.

Transportation hub, pedestrian overpass, delivery – 2014/16

- Pedestrian passage with retail services from roofed railway station above-over Minskoe highway to "Kvadrat" Multifunctional complex and "Gallery" Business Center

Parking - "Kvadrat" Multifunctional complex, delivery – 2017

- Underground level of "Kvadrat" Multifunctional complex
- Only public infrastructure – retail, social, cultural
- Designated to guide the pedestrian traffic from transport hub to "Gallery" Business Center
- 1500 parking lots

Parking - "Gallery" Business Center, delivery – 2015/16

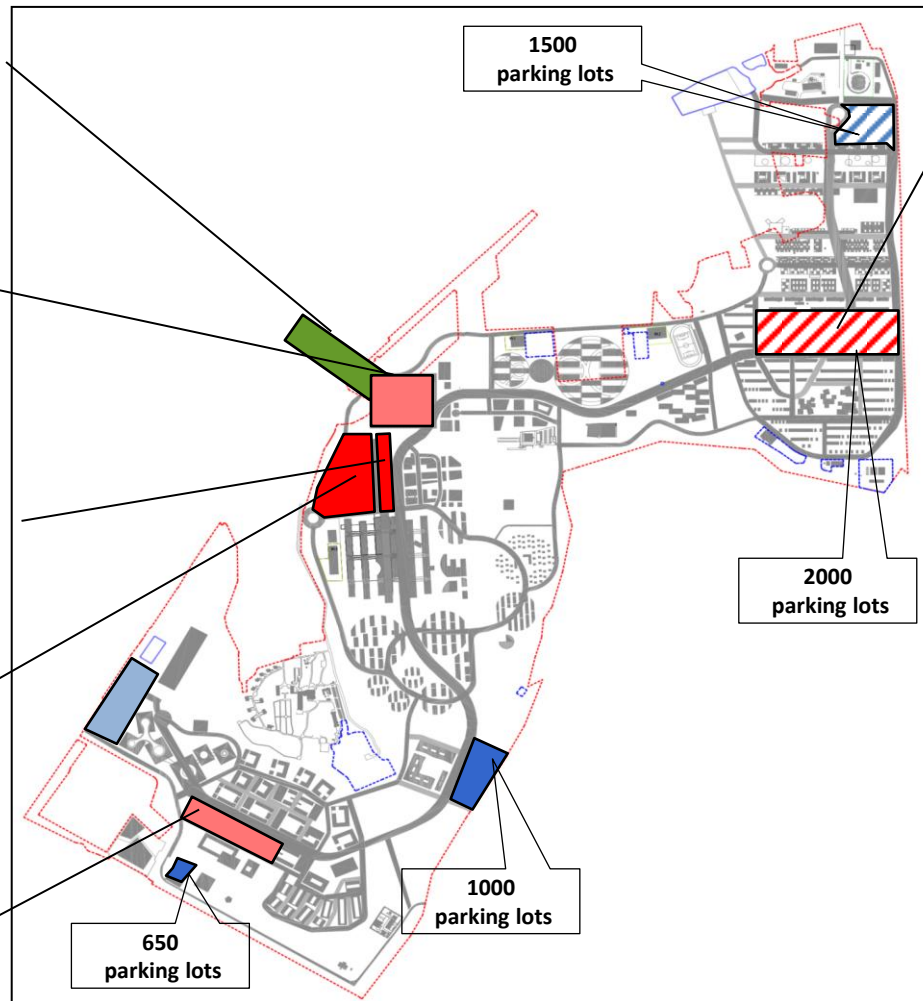
- Underground levels of "Gallery" Business Center
- Direct access from parking to the office part of the building
- 350 parking lots

Parking - "Key Partners" D2, delivery – 2015/16

- Underground parking in administrative complex
- Access from parking to the office part of the building
- 1200 parking lots

Parking - D1 District, delivery – 2017/18

- Access only from Minskoe highway
- There are no offices over the parking, apartments only
- Far from Central Zone objects
- 650 parking lots



Delivery after 2018 (3rd stage)

- Functionality – to be confirmed
- At a considerable distance from public transport stations(buses, minibuses, express trains)
- Away from the Central area with social infrastructure
- 2000 parking lots

Total parking lots – c. 9000 units

Underground parking:

- Delivery 2015 -16
- Delivery 2017
- Delivery 2018 – '20

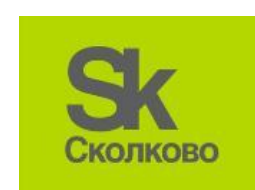
Aboveground parking:

- Delivery 2015-16
- Delivery 2017
- Delivery 2018

For information purposes only. Subject to change as per project development progress.



IC "Skolkovo" Transportation hub

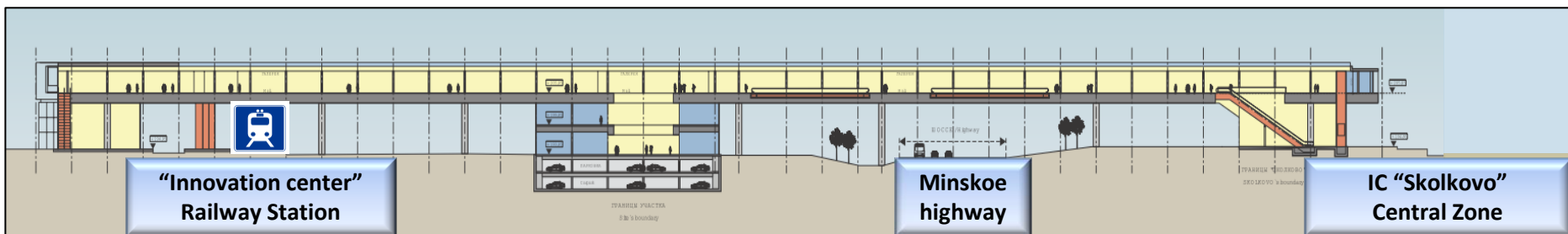
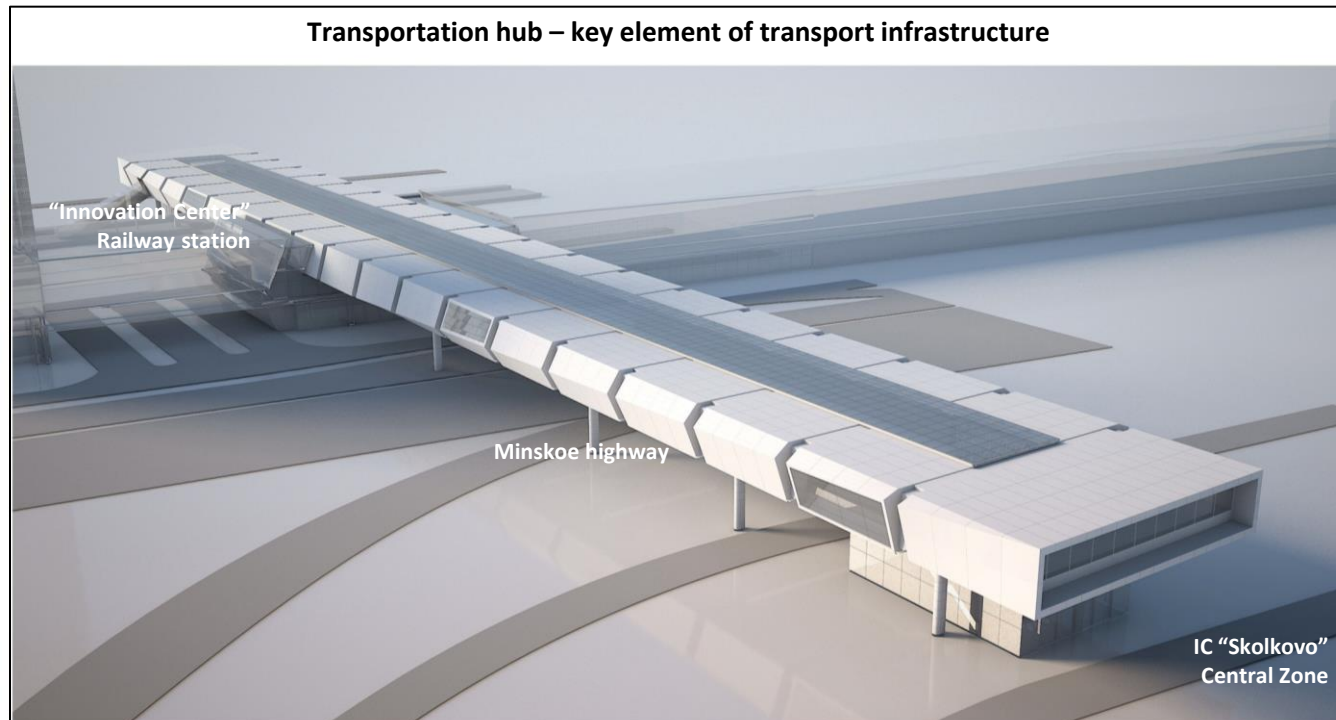


Transportation hub provides

Direct access from railway station and bus station to multifunctional complex "Kvadrat" in IC "Skolkovo"

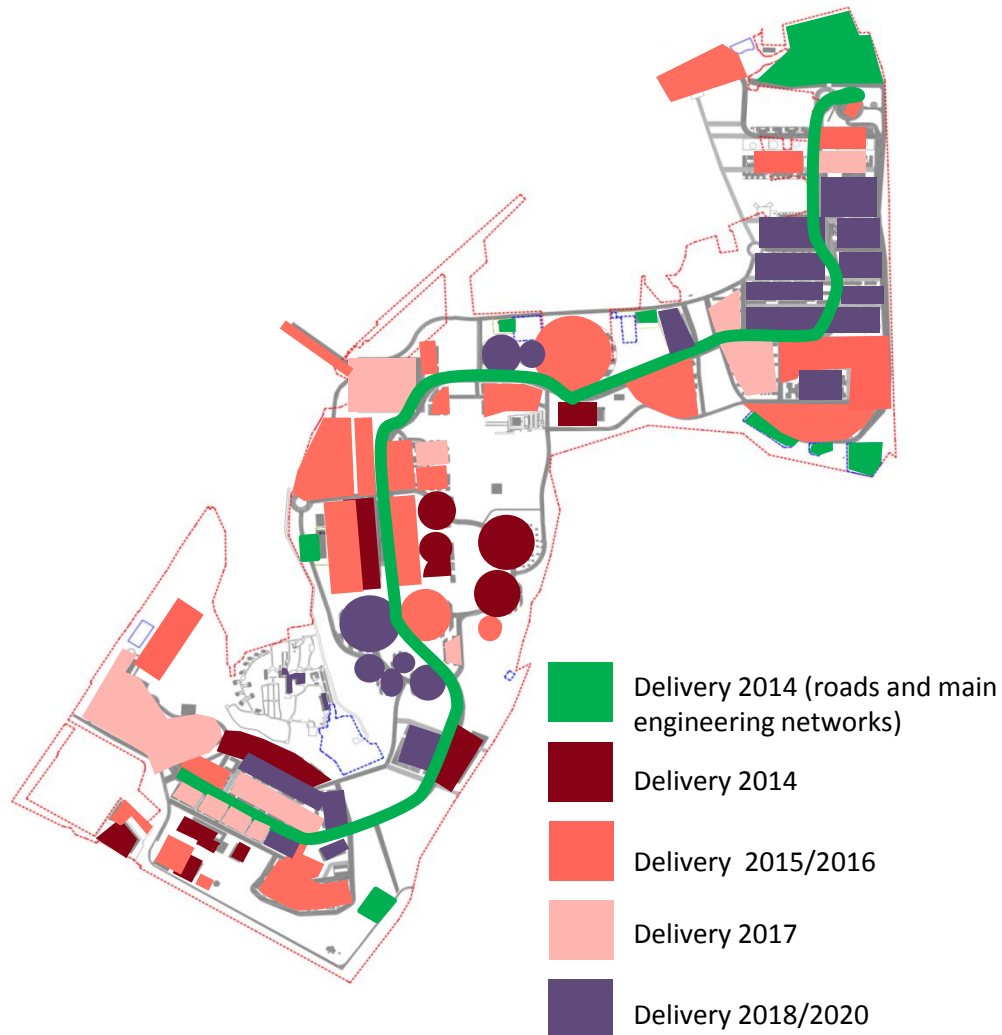
- Foot-bridge with retail facilities from railway station to Skolkovo above Minskoe highway
- Convenient travel throughout the Transportation hub – via escalators and travelators

Transportation hub – key element of transport infrastructure



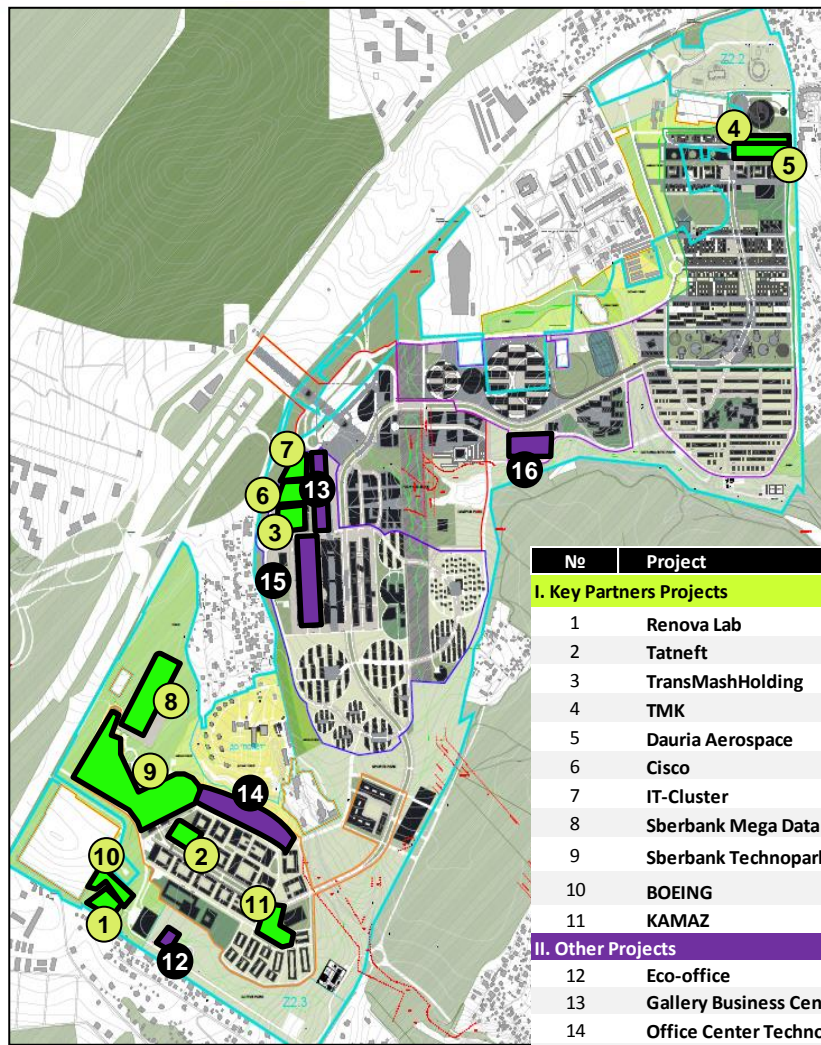
IC "Skolkovo"

Phasing of development



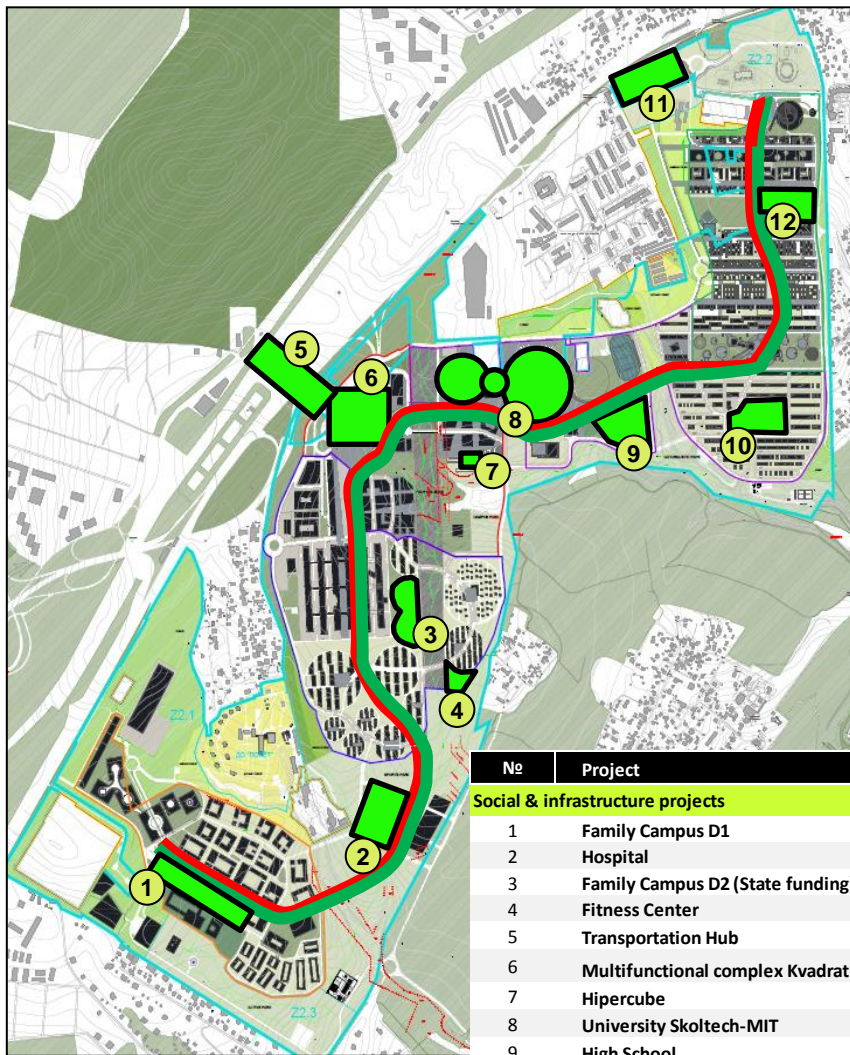
Project	Delivery	GBA, sq.m.
		Total
Offices & R&D Centers		800 787
Key Partners		241 372
	until 2015	43 505
	2016	49 548
	2017	60 300
	2018-2020	88 019
Other Offices & R&D Centers		559 415
	until 2015	228 563
	2016	139 628
	2017 г.	13 336
	2018-2020	177 888
Apartments, townhouses, cottages		756 586
	until 2015	177 926
	2016	83 860
	2017 г.	84 723
	2018-2020	410 077
Transport infrastrucure		440 668
	until 2015	178 228
	2016	66 000
	2017 г.	86 000
	2018-2020	110 440
Social infrastructure		540 665
	until 2015	174 246
	2016	63 500
	2017 г.	112 000
	2018-2020	170 919
Delivery till 2018		1 561 363
Phase II (2018-2020)		957 343
Total Skolkovo		2 519 000

IC "Skolkovo" Offices & R&D Centers under development



№	Project	GBA, sq.m.	Delivery
I. Key Partners Projects			
1	Renova Lab	26 500	2014
2	Tatneft	10 000	2016
3	TransMashHolding	45 500	2016
4	TMK	8 000	2015
5	Dauria Aerospace	15 000	2017
6	Cisco	42 500	2016
7	IT-Cluster	32 500	2016
8	Sberbank Mega Data Center	37 000	2016/2020
9	Sberbank Technopark	122 000	2017
10	BOEING	8 000	2015
11	KAMAZ	12 000	2016
II. Other Projects			
12	Eco-office	1 570	2015
13	Gallery Business Center	63 242	2015
14	Office Center Technopark	40 000	2014
15	BC Technopark (phase 2)	63 000	2016
16	Business Center Skolkovo	40 000	2014



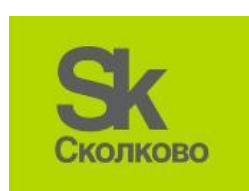


№	Project	GBA, sq.m.	Delivery
Social & infrastructure projects			
1	Family Campus D1	22 000	2018
2	Hospital	60 000	2020
3	Family Campus D2 (State funding)	22 000	2015
4	Fitness Center	3 500	2016
5	Transportation Hub	30 000	2014/2016
6	Multifunctional complex Kvadrat	57 000	2017
7	Hipercube	6 000	2013
8	University Skoltech-MIT	75 000	2016
9	High School	60 000	2016
10	Family Campus D3	22 000	2019
11	Logistics Center	42 000	2016/2019
12	Family Campus D4	21 700	2020





IC "Skolkovo" Project renderings



Apartments (D2 district)



Apartments (D3 district)



Mixed-use (D1 district)



SkolTech University (D3 district)



Technopark complex (D2 district)



Multifunctional complex (Central zone Z1)

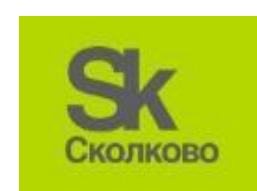
For information purposes only. Subject to change as per project development progress.



IC “Skolkovo”:

Working day in Skolkovo

Working day in Skolkovo: Arrivals



РЖД by 2016

H by 2016

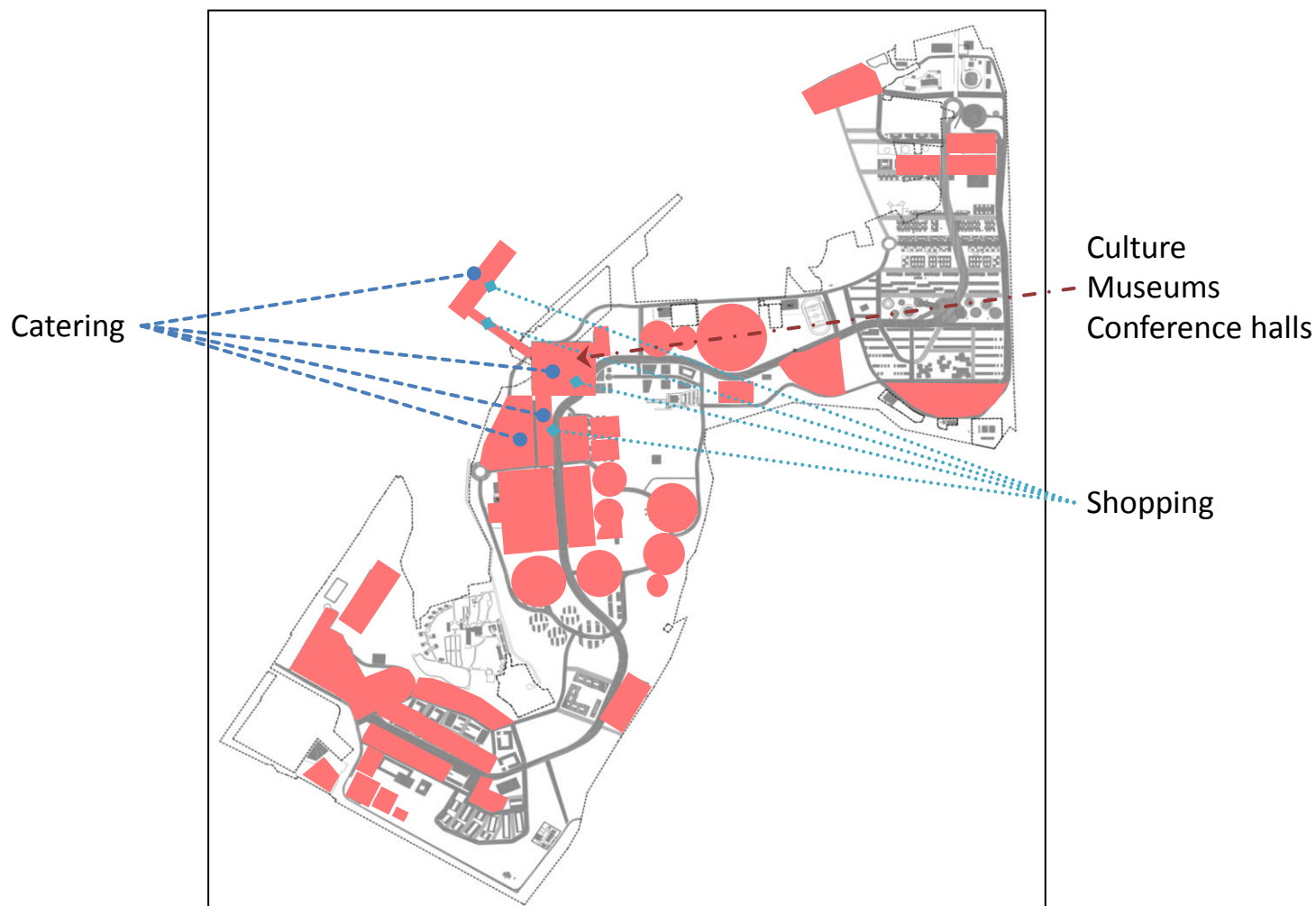
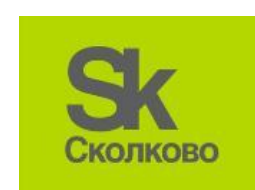








Working day in Skolkovo: Lunch Time







Working day in Skolkovo: Relaxation





Working day in Skolkovo: Relaxation





Working day in Skolkovo: Evening city



Q & A