



Fostering international cooperation among innovative clusters of APEC Economies

Ekaterina Islankina



Partnership for Cluster Development
November, 1 2018, Kazan



Cluster Map of Russia

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Карта кластеров России

Карта

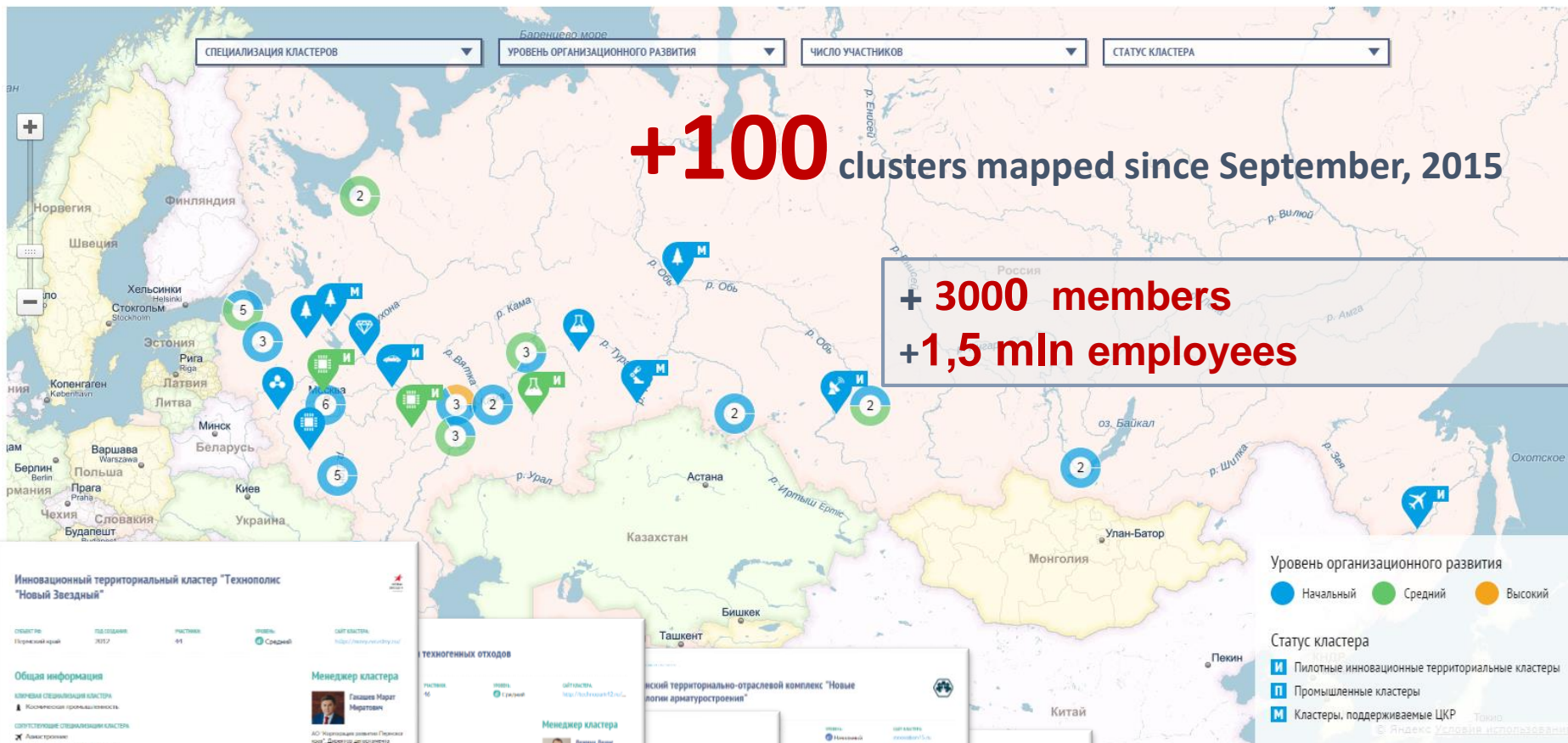
Реестр

О проекте

Контакты

КЛАСТЕРЫ

ВЫХОД



Инновационный территориальный кластер "Технополис "Новый Звездный"

Общая информация

- Ключевая специализация кластера: Космическая промышленность
- Специализация специализации кластера: Авиакосмическая промышленность, Космическая промышленность
- Производство машин и оборудования (в т.ч. станки и станочники, подшипники и гидродинамического оборудования, работы)

Статус кластера: Включен в перечень пилотных инновационных территориальных кластеров

Ключевые участники основной специализации

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International Activities of Russian Clusters



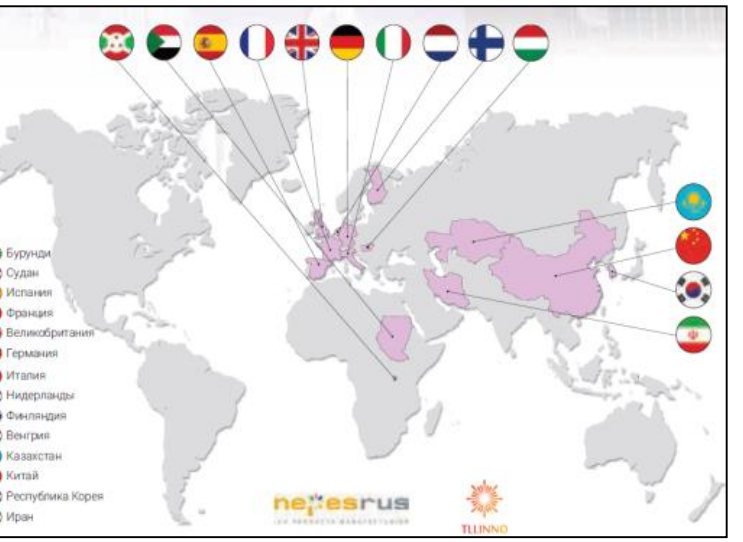
Kaluga Pharmaceutical Cluster



Tatarstan Petrochemical & Automobile Cluster



Ulyanovsk Aerospace & Nuclear Cluster



Mordovia Lightning Tech Cluster



Bashkortostan Petrochemical Cluster



Smart Technologies Tomsk



The Issue

Clusters are crucial to enhance STI partnership among government, academia, and private sector in most APEC Economies:

- Canada: first national cluster support program launched in 2016 (*TCI, 2017*)
- China: 146 National High-tech Zones maintained an average annual revenue growth at 17.4% in 2011-2015, and the industrial added value grew by 25.4% in 2015 (*MOST, 2017*)
- South Korea: industrial complex clusters account for 69% of manufacturing production, 78.5% of exports and 48.6% of employment (*KICOX, 2015*)
- Russia: export and innovation output of pilot spatial clusters are 20% and 75% higher than regional average (*HSE, 2017*)
- USA: clusters provide 36% of employment, 50% of income and 96.5% of patents in the Economy (*HBS, 2014*)

APEC Economies vary in terms of cluster policies. But their excellence is in many ways due to external linkages:

- Clusters are not capable of long-term development unless their members are acting in global markets and involved in international knowledge transfer
- Common challenges of going global (e.g. lack of appropriate knowledge about overseas markets, ways of doing business in dissimilar countries, financial resources and staff, differences in legal and technological bases, vague conception of potential projects).

Russia suggests to promote international cooperation among clusters in the Asia-Pacific to foster innovative development of APEC Economies

Main Activities

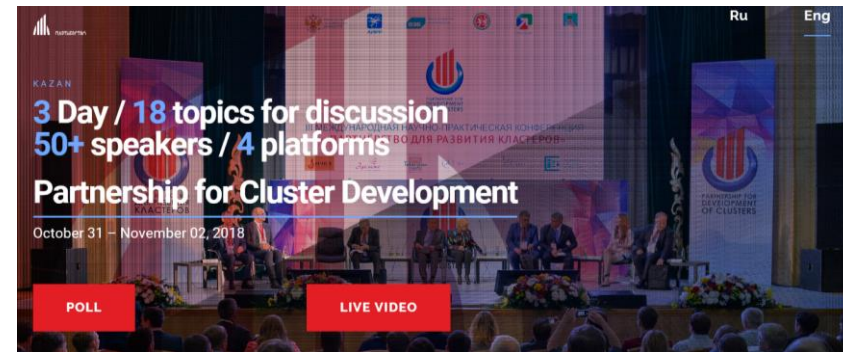
- 1 Arranging expert discussion on best practices regarding cluster support measures and cluster management
- 2 Delivering workshops on international cluster collaboration
- 3 Cluster landscape analysis in the Asia-Pacific (questionnaire on cluster internationalization in APEC)
- 4 Drafting a Blueprint on international cluster collaboration across APEC Economies
- 5 Designing inter-cluster cooperation mechanisms among APEC Cluster Collaboration Platform



Round table on APEC cluster collaboration (January, 18 2018, Gaidar Economic Forum, Moscow)



Panel discussion “Extending cooperation among clusters of APEC economies” (April, 26 2018, , 3rd Saint Petersburg International Cluster Conference “Clusters Open Borders. The Eurasian Path”, Saint Petersburg)



Partnership for Cluster Development (November, 1 2018, Kazan)



Ties to APEC / PPSTI Priorities

- **Ties to APEC Priorities**

- the workshop and Blueprint will encourage the members' efforts to share experiences and best practices in innovation (**item # 6 of APEC Accord on Innovative Development, Economic Reform and Growth**);
- APEC Cluster Collaboration Platform will promote cooperation in STI, improve the environment for innovation (**item # 16**) and contribute to the establishment of APEC databases on innovative best practices and service platforms to improve the competitiveness of SMEs (**item # 19**).

- **Ties to Viet Nam Host Priorities**

- best practices exchange (workshop), APEC cluster landscape analysis (Blueprint) and joint cluster mapping (Platform) will connect key stakeholders, representing each Economy's growth points - clusters (**Deepening Regional Economic Integration**)

- **Ties to PPSTI 2017 Priorities**

- APEC Cluster Collaboration Platform will establish a user-friendly network for STI partnership among government, academia and private sector in the Asia-Pacific
(**Supporting strong STI ecosystems in the APEC region**)

- **24th Meeting of APEC Ministers Responsible for Trade Statement** for the first time calls for “closer cooperation between government and the private sector in developing regulatory and policy processes to create a conducive environment for doing business, including exploring international cluster cooperation in the region” (Port Moresby, 2018).



Blueprint on International Cluster Collaboration Across APEC: Specific tangible actions



1. Cluster landscape analysis in the Asia-Pacific

- Survey of measures and mechanisms used by APEC Economies to the development of innovative clusters
- Questionnaire on cluster internationalization in APEC area



2. Contribution to the accumulation of cluster-related content and data in APEC

- Joint report on international cluster collaboration across APEC Economies



3. APEC Economies' capacity building and best practices sharing

- Workshop on cluster collaboration opportunities in the Asia-Pacific

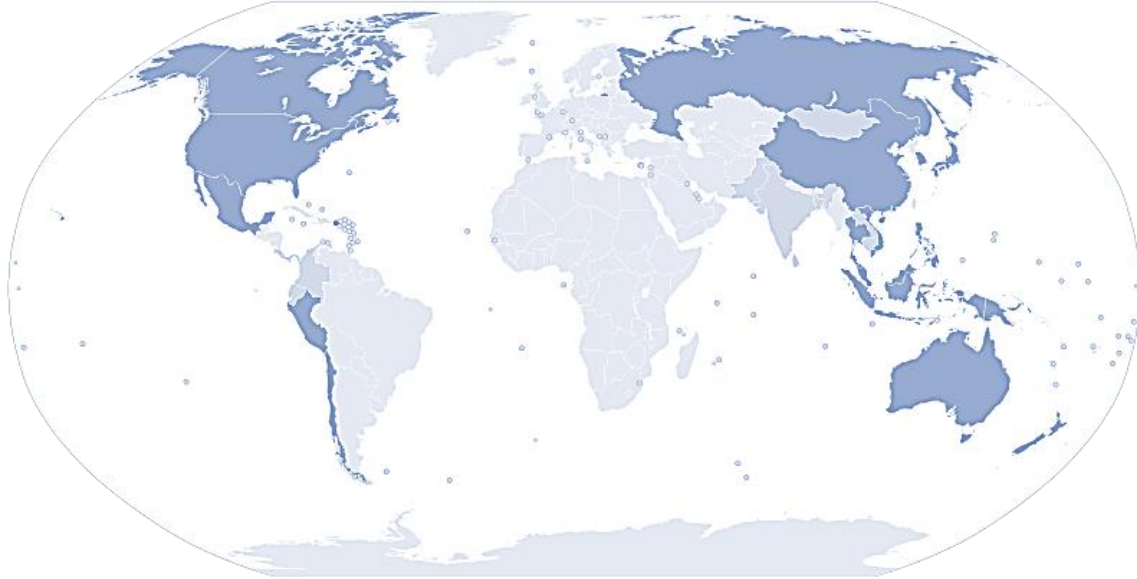


4. Design of inter-cluster collaboration tool

- Launch of APEC Cluster Collaboration Platform



APEC Cluster Collaboration Platform: the structure



- **Home page**: initiative description, cluster related news, latest research on clusters and cluster policy reviews
- **APEC cluster map**: distribution of clusters in the region
- **Each economy's web page**: basic statistics on clusters, support measures, links to officials and institutions responsible for cluster analysis and development;
- **Each cluster's profile**: structured information layout.



1. **About the cluster**:

- mission and objectives
- industrial and S&T specialization
- key cluster members
- products and services
- membership in international cluster partnerships and associations

2. **Cluster management**:

- structure of a cluster management organization
- support services provided by the cluster management organization to cluster members

3. **International cooperation**:

- key partnership destinations
- invitation to cooperation with the description of projects seeking international partners

4. **Cluster success stories**:

- the description of key cluster projects.

5. **Contacts of cluster managers responsible for international cluster cooperation**.



Blueprint monitoring, evaluation, review



- Oversee of the Blueprint implementation on a yearly basis (with the participation of APEC economies' representatives)



- KPIs to evaluate the Blueprint implementation
 - ✓ the number of economies registered at APEC Cluster Collaboration Platform;
 - ✓ the number of APEC clusters that responded the questionnaire;
 - ✓ the number of male and female workshop participants from public and private sectors, and academia;
 - ✓ the number of cluster-to-cluster matchmaking activities during the workshop;
 - ✓ the number of success stories of international cluster collaboration (measured via online questionnaire after a year of APEC Cluster Collaboration Platform functioning)



- **Mid-term revision** of the Blueprint implementation in 2020.



Thank you!

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Russian cluster
observatory