



## Russian experience In Satellite Navigation Distant Learning: International Cooperation



Federal State Unitary Enterprise  
Russian Science And Research Institute  
Of Space Device Engineering





# Russian Multilevel Training System Of Specialists In Satellite Navigation



## After-school

### Moscow College of Space Device Engineering

In-depth theoretical  
studies;  
Preparatory courses



## Specialists Training In Universities

Specialized classes and departments in **MAI**,  
**MATI**, **MIPT**, **MIIGAIK**,  
**MSTU n.a. N.E. Bauman**, etc;

Laboratories of companies:  
«**Topcon**», «**JAVAD NAVIGATION  
SYSTEMS**»,  
**KB «Navis»**  
in universities and enterprises:  
**RNII KP** ,  
**Khronichev SRPSC**.

Use of scientific and technical  
capacities of enterprises for training

## Professional Development

Centres of skill development  
in universities:  
**MAI**, **MIIGAIK**,  
**MSTU n.a. N.E. Bauman**,  
etc.

Retraining courses ;  
educational lectures,  
international seminars



## Professional Development Of High Staff

Academic councils in:  
**RNII KP**,  
**MSTU n.a. N.E. Bauman**,  
**VKA n.a. A.F. Mozhayski**

foreign and abroad  
specialists training

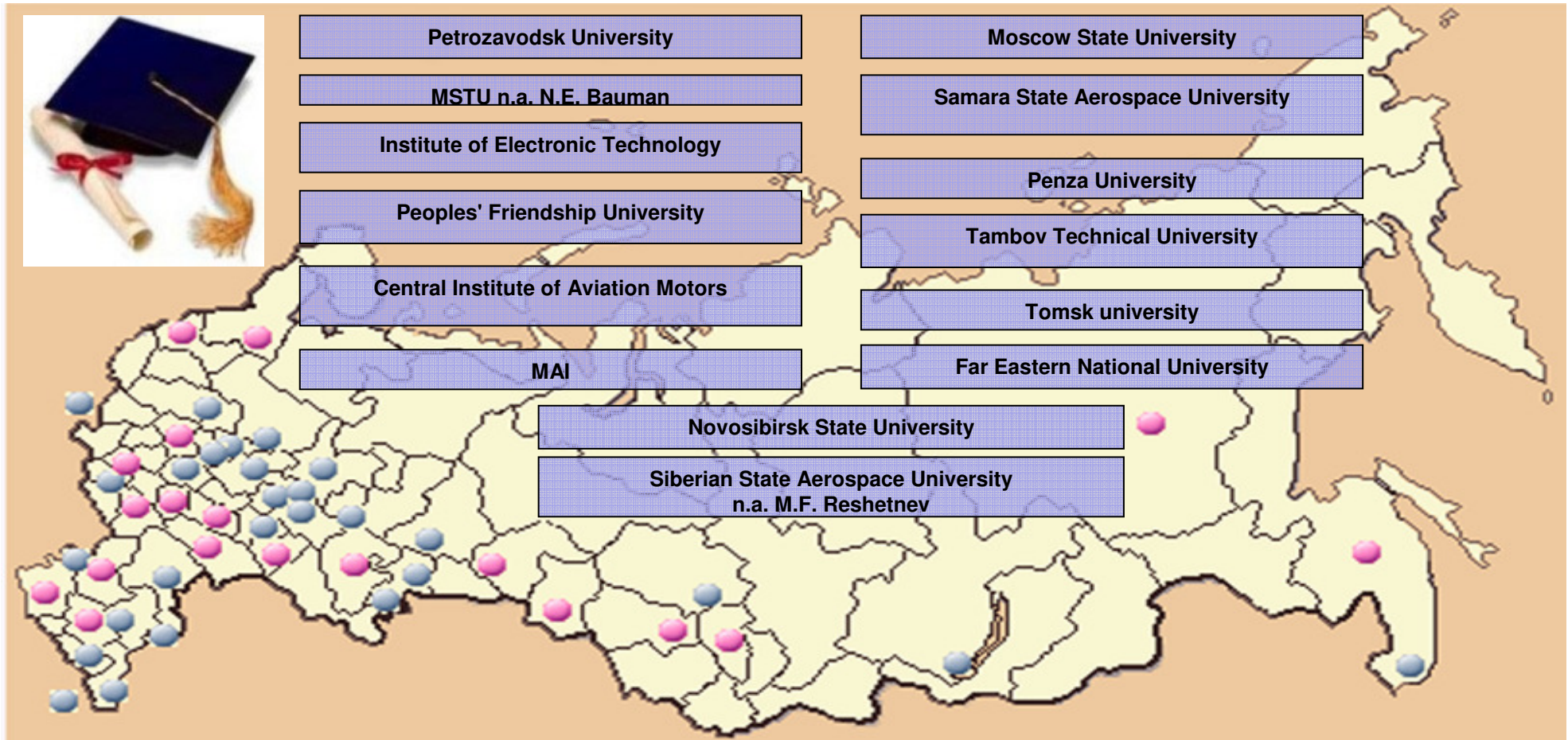


## RUSSIAN EDUCATIONAL SYSTEM

Modern educational system of Russia provides comprehensive training in space navigation systems



## Russian Universities With Distant Learning Facilities



Distance Learning System in Russia covers a vast territory:  
ample opportunity for the dissemination of information on GNSS!



## Russian Regional Education Centre: Background



Rich experience in training specialists in satellite navigation

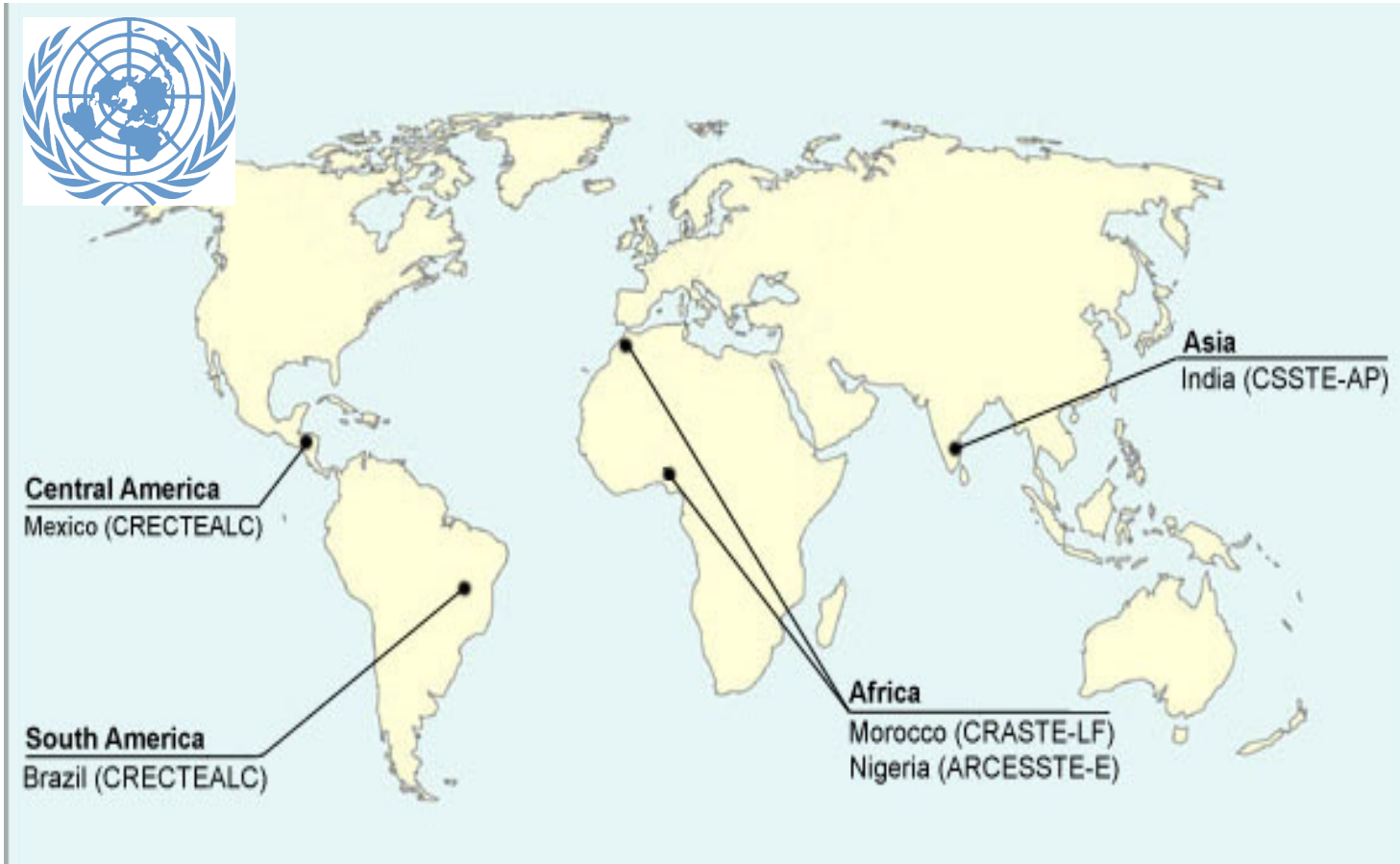
Long-term success history  
of building and applying GNSS technologies

Significant state financial support

Increasing interest of the business community  
to the development of GNSS



## Regional Centres For Space Science And Technology Education



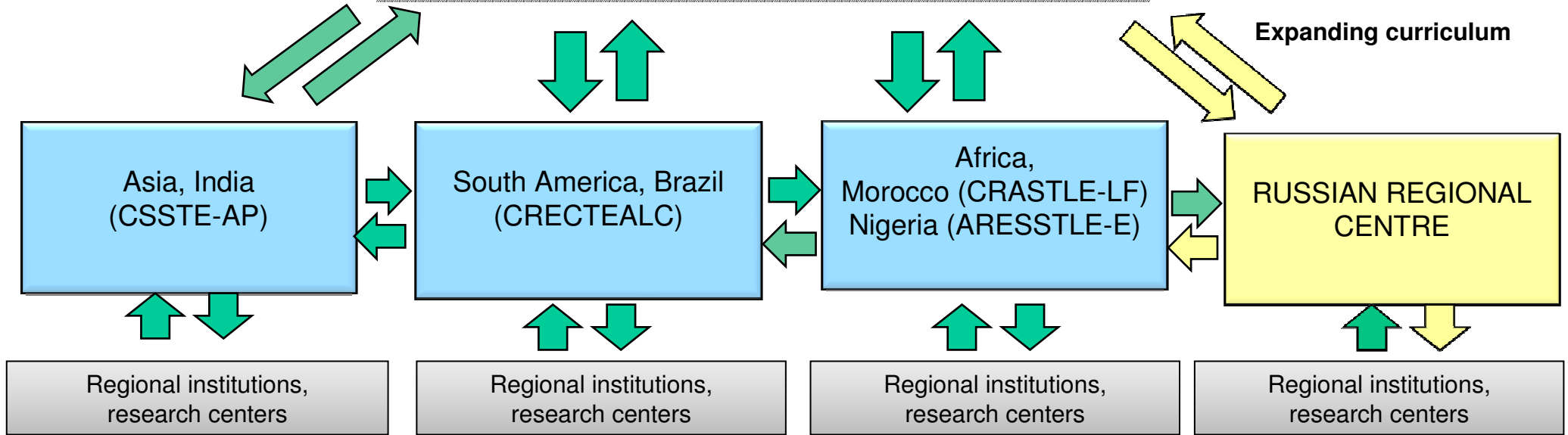
Russia is interested in disseminating information on GNSS and is ready to fill the blank spot on the map of UN Regional Educational Centers.



# Russian Regional Education Centre: Proposal



## ICG Website



Integration of Russian Regional Education Centre into the ICG system will improve dissemination of information on GNSS!

- ➔ MSTU n.a. N.E. Bauman
- ➔ Moscow State University
- ➔ Siberian State Aerospace University
- ➔ MAI
- ➔ RGRTU
- ➔ RUNIKAP



## Russian Regional Centre Creation: Main Policy



**RUSSIAN REGIONAL CENTRE**  
**FGUP RNIKP**

Russian Regional Centre will offer flexible conditions and various forms of trainings  
including distance learning



# Training Fields Assumed In Russian Regional Centre



## GNSS Status And Development



## Applications Of Navigation Technologies in geodesy, transport, house-building



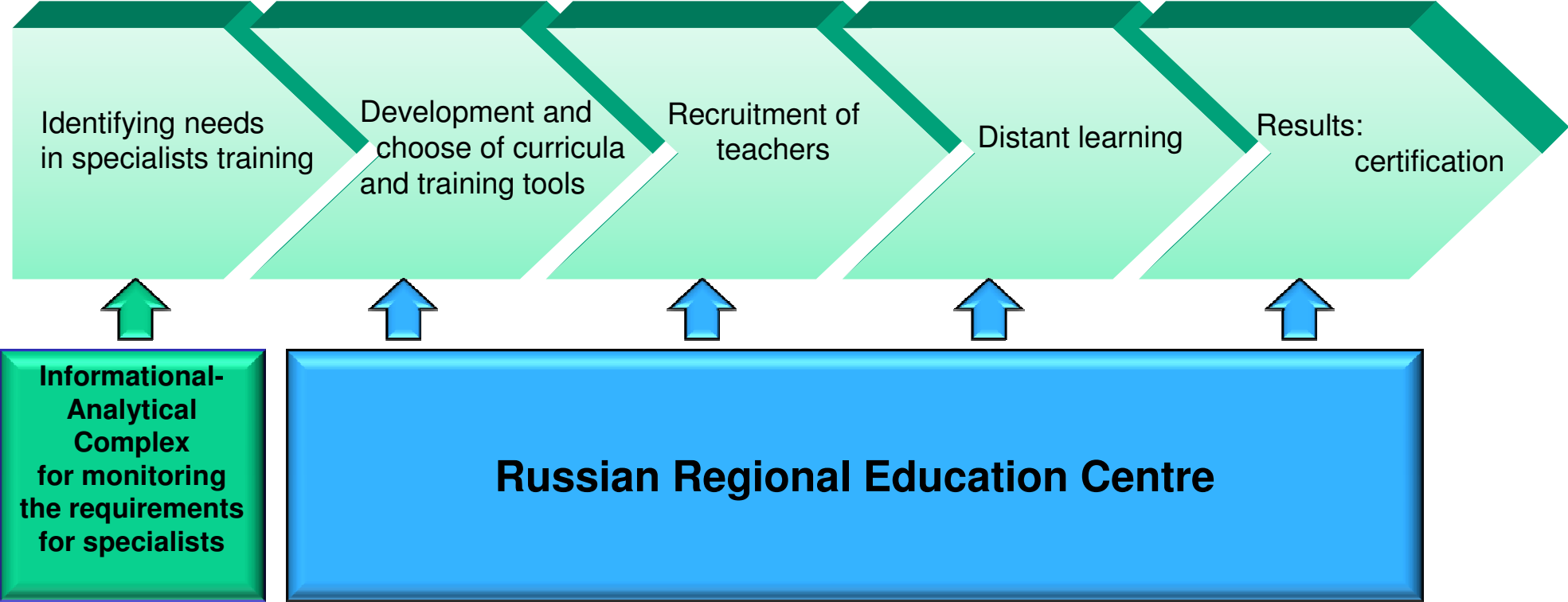
## GNSS applications management





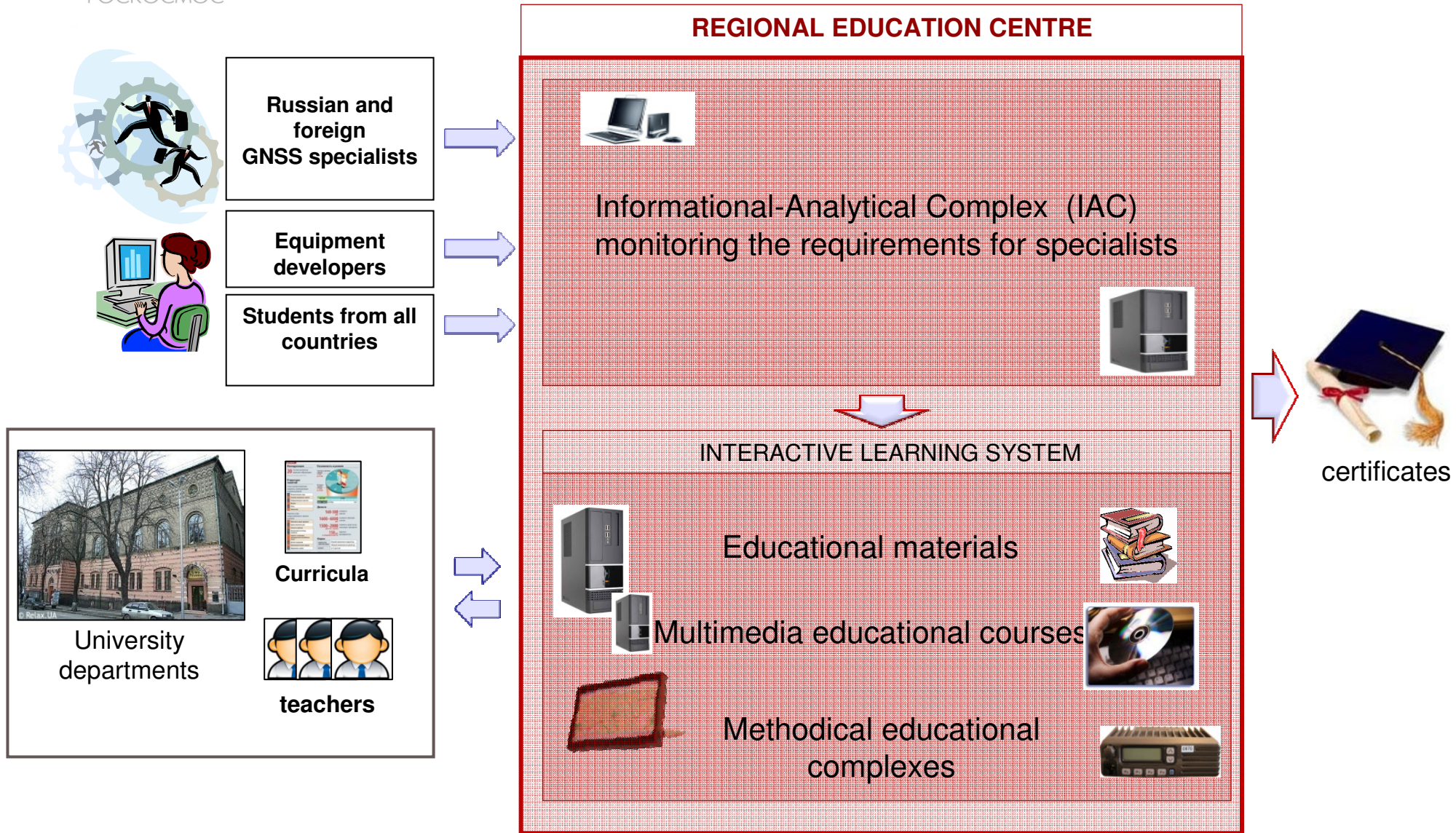


# Learning Process Arrangement In Russian Regional Education Centre



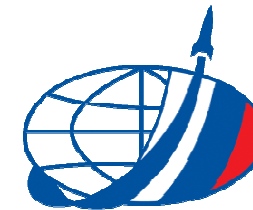


# Prospective Distant Learning In Russian Regional Centre





# Conclusion



Curricula of distance learning allow to offer flexible training scheme for specialists from various countries.

Integration of Russian Regional Education Centre into the ICG system will improve:



dissemination of information on GNSS all over Russia and CIS countries



expand curriculum of educational ICG system



training system of specialists in GNSS

Founded Russian Regional Education Centre will expand international cooperation in education and training in satellite navigation.





**Thank you for your attention!**

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