



## GLONASS Education Center

United Nations/Croatia Workshop  
on the Applications of Global Navigation Satellite Systems

21 – 25 April 2013  
Baška, Krk Island, Croatia

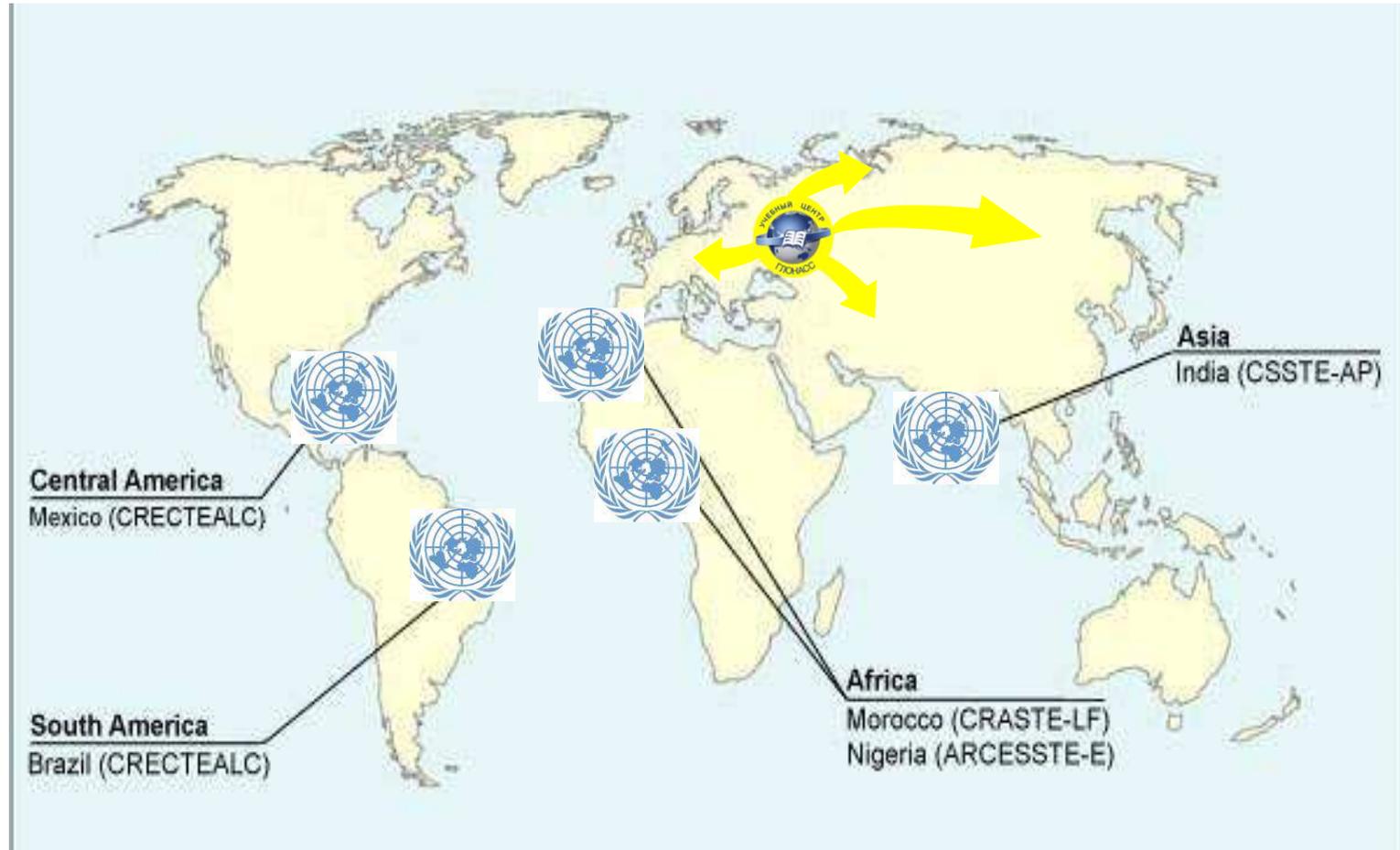
**Pavel Kazakov**  
Russian Space Systems, JSC



GLONASS Education Center  
is the element of "Russian Space Systems" (JSC)  
GLONASS building and development



## Regional Centres on Space Science and Technology Education affiliated to the United Nations



Considering the Resolution of the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space adopted by the UN General Assembly (A/RES/54/68) and ICG Programme on Space Applications, in 2009 on ICG-4 WGC Russia first proposed to establish **Russian International Education Center** (of Russian Space Systems, JSC) and its future role in international activities on GNSS information dissemination and training of specialists in this field



## Cross-university system of distant learning

Bases  
of satellite  
navigation

Applications of  
satellite  
navigation

Bases  
of remote sensing

Intergrated use  
of GNSS  
and RS data

COSPAS-SARSAT

More than 1000 hours of theoretical and practical training



Construction and monitoring



Transportations



Precisious agriculture



Geodesy

**DISTANT  
LEARNING  
FACILITIES**



Information-Analytical Complex

Automated Complex of Distant Learning

Complex of Scientific, Technical and Methodical Supply



## Popularization Distant learning

*Availability from any computer, gadget*

*Near-realtime monitoring of satellite constellation*

*Universal multimedia platform*

**Multimedia is highly perspective in specialists learning**





Basics of satellite technologies, its perspectives and applications

Students: specialists of organizations with use GNSS



**2011:** Course “Satellite navigation technologies and its applications”

**30 students**

**2012:** Course “Practical use of integrated GNSS and Remote Sensing data”

**56 students**



**Welcome to Third School !  
Novosibirsk, 17–27.09.2013**



Long-term success history of building and applying GNSS technologies

Rich experience in training specialists in satellite navigation  
with up-to-date educational technologies

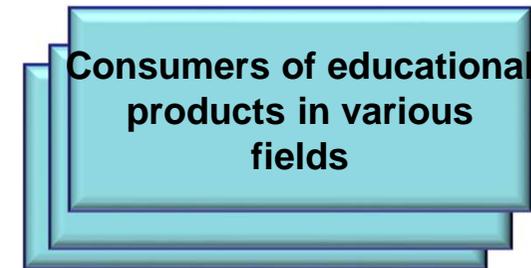
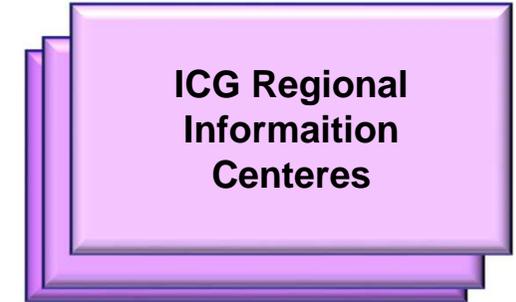
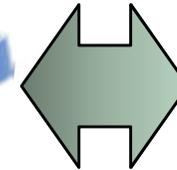
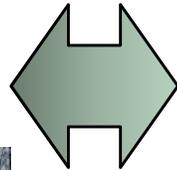
Increasing interest of the business community to the development of GNSS

Importance of information on GLONASS and its applications  
for developing countries

# International learning process chart



Experts



*Up-to-date information on GLONASS*

*Learning courses, multimedia*

*Curricula on GNSS*





## *Summary: proposals*



To support the creation of Russian International Education Center in order to expand its capacity of training professionals in developing countries and the dissemination of information on GNSS

The task of the Russian International Educational Center is to provide education and training courses on space technologies for different categories of consumers in Russia, CIS and other countries

Distance Learning including multimedia is advanced educational technology that can effectively solve the problem of dissemination of information on GNSS in various countries



**Thanks for your attention!**

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