



POLICY ADVOCACY AND RESEARCH

TECHNICAL ASSISTANCE

TEACHER
PROFESSIONAL
DEVELOPMENT

DIGITAL PEDAGOGY

OPEN EDUCATIONAL RESOURCES AND LEARNING MATERIALS

NETWORKING AND PARTNERSHIP



The informational workshop "Digitally Competent Educational Organizations"

Ministry of Education, Culture and Sport of Spain Madrid, May 24, 2016

ICT and Digital Competency in Education.

Main Challenges,

UNESCO Approach and

IITE Experience

Professor Alexander Khoroshilov, PhD

Head a.i. of UNESCO IITE

a.khoroshilov@unesco.org http://iite.unesco.org



Main socio-economical factors related with ICT intrusion



COOPERATION and

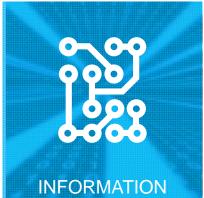
NETWORKING

















ICT Impact to Education





IMPROMEVENT OF LEARNING EFFICIENCY





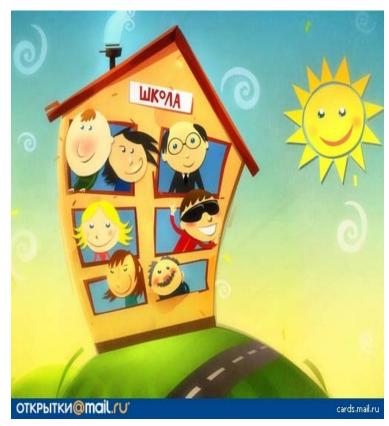
NOW



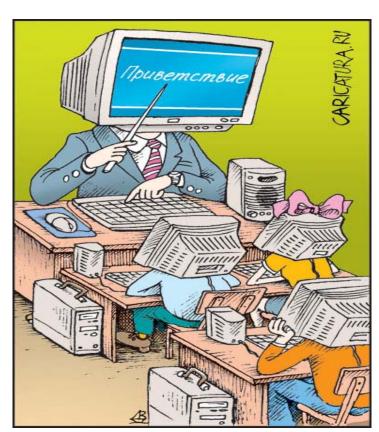
LABOUR MARKET SATURATION AND ECONOMICAL GROWTH



Challenge 1: Which should be educational organizations in the 2030?







[http://caricatura.ru/art/dubinin/url/parad/dubinin/5023/]

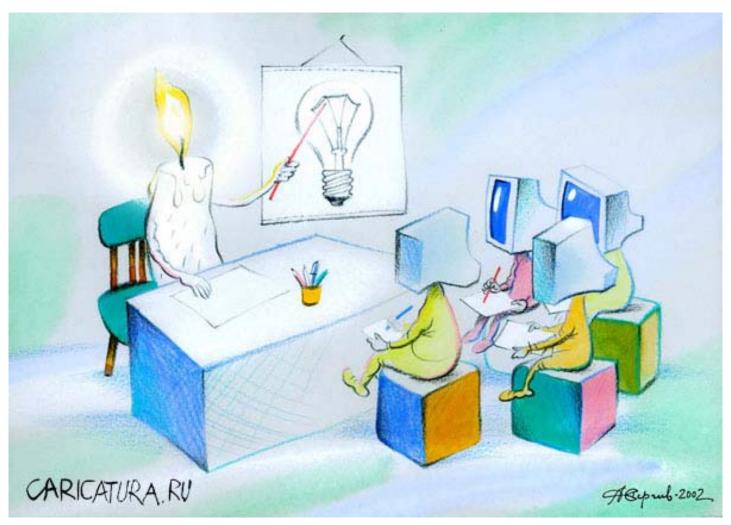
Vision of our children ...



Challenge 2: This is a book! Is this a book?



Challenge 3: Is learning a light?



http://caricatura.ru/parad/sergeev/pic/6221.jpg

Challenge 4: Innovations in pedagogy - from/to personalization How to combine personalization with multi-massive education?



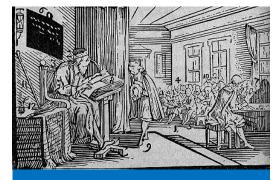
Socrates,

1:1 but just for a few



XX Century

1:MM and massive



XVIII Century

1:M but for Elite



IXX Century

1:M and for many

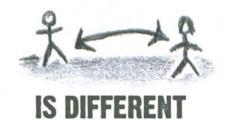


XXI Century

1:MMM Multi-massive

but not personalized yet

PERSONALIZED LEARNING

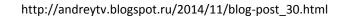


Challenge 5: The role of teacher – what's a difference?

XIX Century Teacher

XXI Century Teacher







http://allwantsimg.com/wars-oboi

Solution: Changing the role of teacher

"Dictatorship"

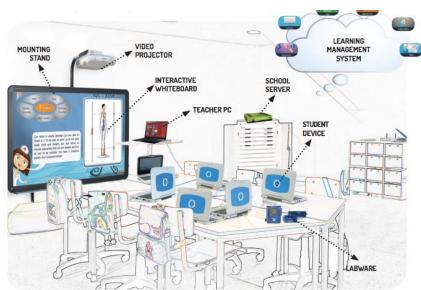
"Democracy"



http://fs.nashaucheba.ru/docs/270/index-1762195.html

Solution: Collaborative Educational Environments and Flipped Classrooms





Solution: New generation of Textbooks

Good Textbooks



Placed in context videos of the best teachers



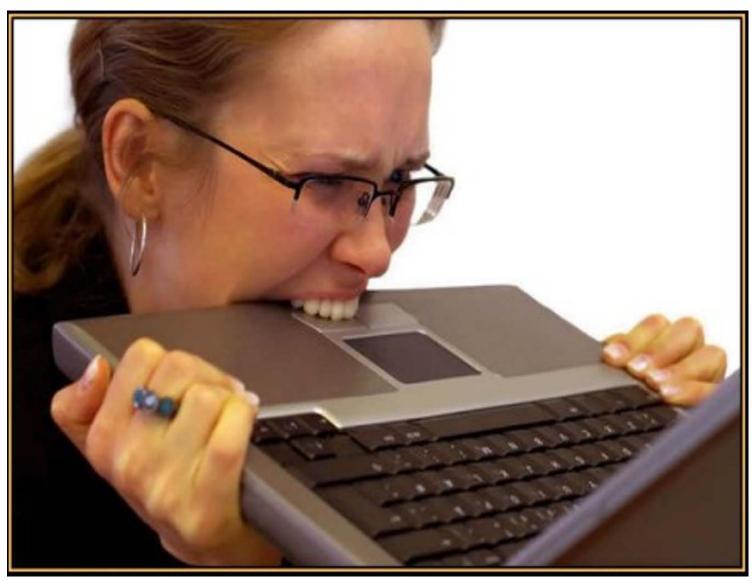
Highly interactive
New Generation
Multimedia
e-Textbooks
(The "Active" Text-Books)

Teaching concept from the "flipped" classroom





Challenge 6: Teacher ICT/Digital Competency



http://www.demotivationalposters.org/index.php?start=63891

Why ICT/Digital Competency? Key competencies of Inclusive Knowledge Society

ICT/Digital Competency (e-Skills)



Professional Competency (Hard Skills)

Social Competency (Soft Skills)

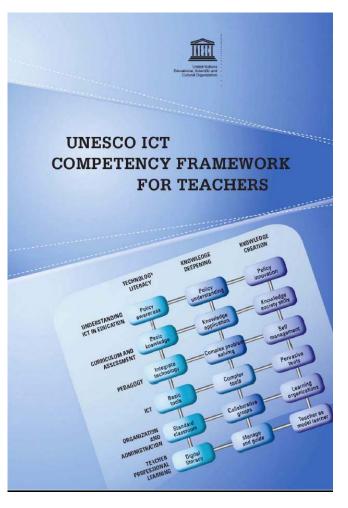
Solution: Teacher ICT Competency Standards based on UNESCO ICT-CFT

ICT-CFT v 1.0



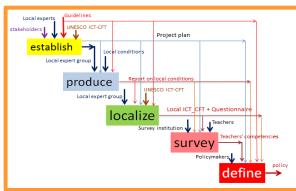
ICT-CFT v 3.0 - 2017!

ICT-CFT v 2.0









HETHODOLOGICAL APPROACH OH LOCALIZATION OF THE UNESCO ICT-CFT

General Challenge: ICT in Education – Expired product in new package?



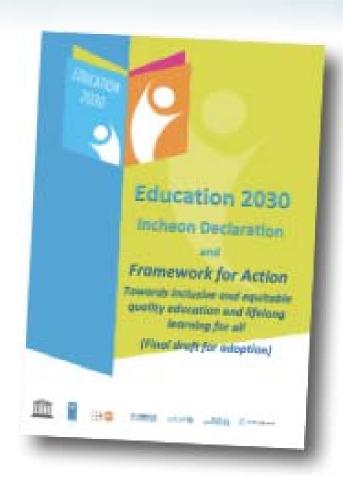
http://terraoko.com/?p=64934&lang=en

General Solution: To integrate ICT and Pedagogy





Incheon Declaration and Framework for Action "Education 2030"



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

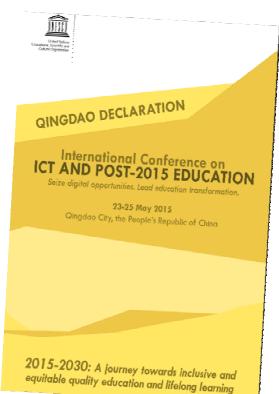


International Conference in Qingdao (China). Qingdao Declaration

INTERNATIONAL CONFERENCE ON ICT AND POST 2015 EDUCATION

A journey towards inclusive and equitable quality education and lifelong learning





Seize digital opportunities and educational transformation:

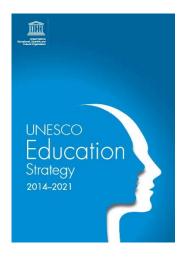
Access and Inclusion, OER and Open Solutions,

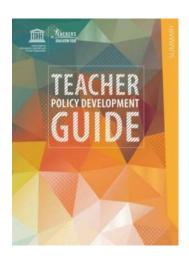
Quality Learning, Lifelong Learning Pathways, Online Learning Innovations, Quality Assurance and Recognition of Online Leaning, Monitoring and Evaluation, Accountability and Partnership, International Cooperation



UNESCO's Main ICT in Education Activities and Priorities

- Policy
- Teacher training
- Mobile learning
- Open educational resources (OER)
- Monitoring and measuring













unesdoc.unesco.org

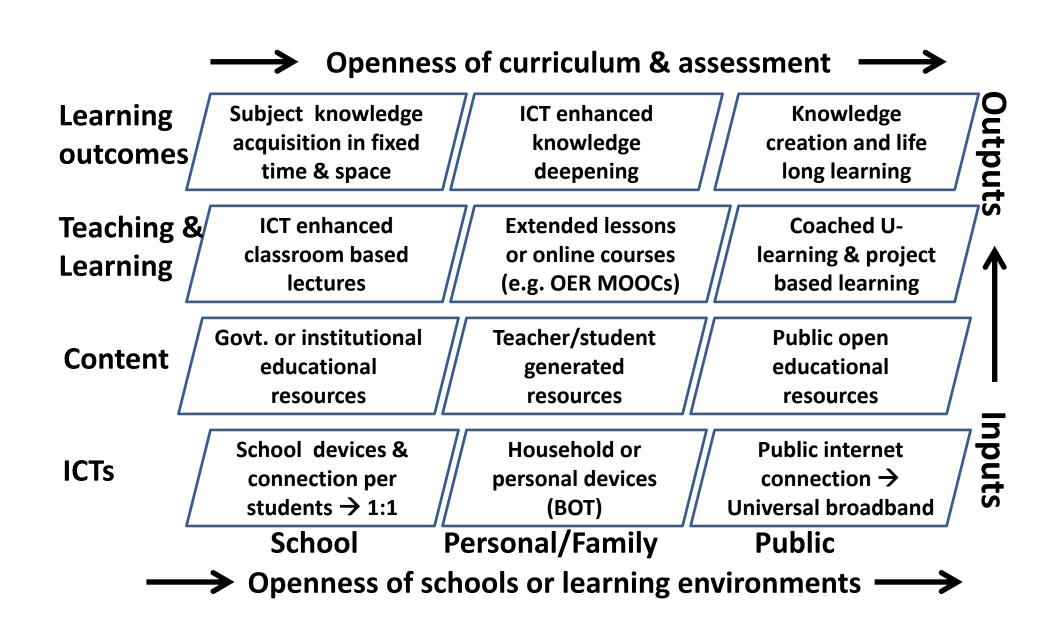


UNESCO's ICT in Education Programme: Responding to the challenges

Focus Area	Outputs & Instrument	Capacity	Result
Policy	ICT in Education Toolkits	 Regional Ministerial Forum on ICT in Edu National workshop on ICT in Education Policy 	 Africa, Asia, Eastern Europe ICT in edu. policy for >50 countries
Teacher Training	ICT Competency Framework for Teachers	 Assisting national teacher ICT standard setting Institutional strategy for teacher training institutes 	■ 15 Asian + 8 African countries
Mobile Learning	Policy GuidelineMobile readingSupport teachersWomen & Girls	 Mobile Learning Week since 2012 2015: Mobiles Empower Women & Girls 	 4 countries: test mobiles for teacher 2 countries: mobiles for women & girls
OER	OER DeclarationOER Guidelines	Global/regional advocacyNational OER policy	5 national policies2 regional events



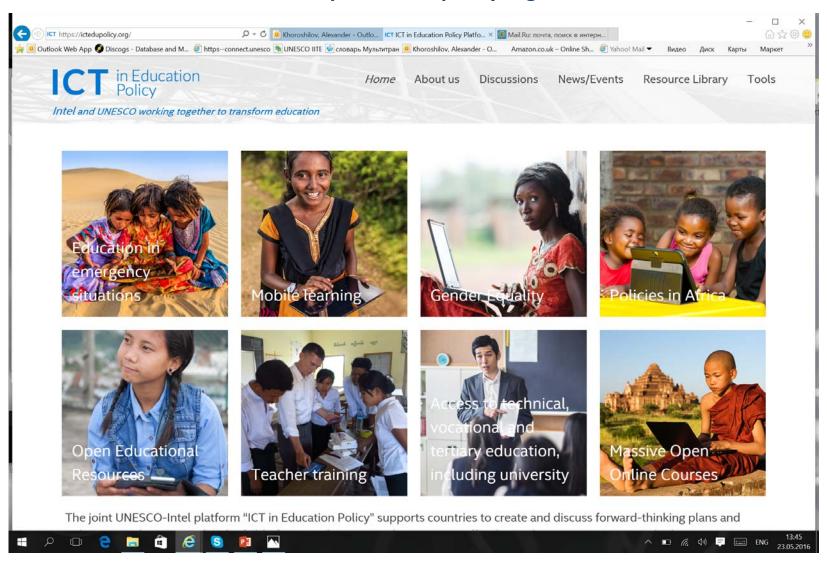
UNESCO's Multi-Entry Approach to ICT in Education Policies





The joint UNESCO-Intel ICT in Education Platform and Policy Tool

https://ictedupolicy.org/





UNESCO IITE. Focus Areas



POLICY, RESEARCH and TECHNICAL ASSISTANCE

TEACHER
PROFESSIONAL
DEVELOPMENT and
NETWORKING

DIGITAL PEDAGOGY, OER and LEARNIG



Teachers Competency and UNESCO ICT-CFT

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orking and





Curriculum Development and Training

International Master Programme "ICT in Feacher Professional Development"

Joint training courses for teachers with ITE partners – leading ICT vendors

ITE on-line training courses for teachers













Open Educational Resources

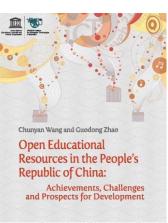
TE project "OER in non-English-speaking countries" covered 19 countries

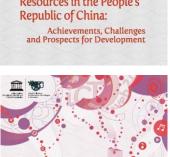




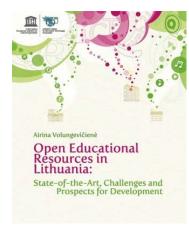


RECURSOS EDUCACIONAIS ABERTOS NO BRASIL

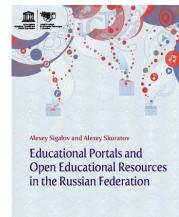




Kamil Śliwowski and Karolina Grodecka



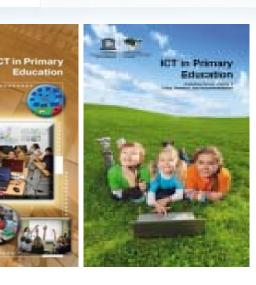


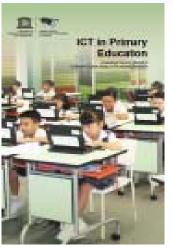






Learning Materials and MOOCs













New IITE Flagship Project: Foresight in ICT in Higher Education







The informational workshop "Digitally Competent Educational Organizations"

Ministry of Education, Culture and Sport of Spain Madrid, May 24, 2016



invites you for cooperation in the field of ICT-integrated pedagogy to reach the targets of Education-2030!

Professor Alexander Khoroshilov, PhD
Head a.i. of UNESCO IITE