

# OER: OUR COMMON CHALLENGE AND SOLUTION?

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# Unique Opportunity...

**Opening up education is a social good. UNESCO 2030 Education Strategy.**

**OER can be our common approach to raise the accesability of the knowledge and education. Worldwide.**

- Slovenia is heading the process of opening up education through UNESCO, EU, OuSEE/Ouxxx and OuS
  - Open Education Resources community is broad and growing (195 countries, >3bill OER resources, big companies entering)
  - Open education is becoming a main stream at academic institution (Open Courseware, OEC, MOOCs,...)

...

# Current Questions and Challenges...

## *Education system (s):*

**Are challenged by globalization and at the same time scarcity.**

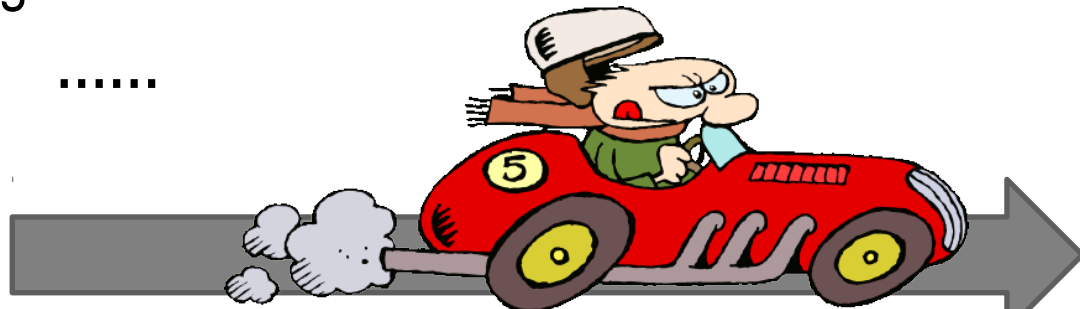
Are we still translating our past to the future of the next generations?

How do we listen to youngsters? What do they teach us?

Is education a must or desire?

Are we still thinking inside “national borders”?

.....



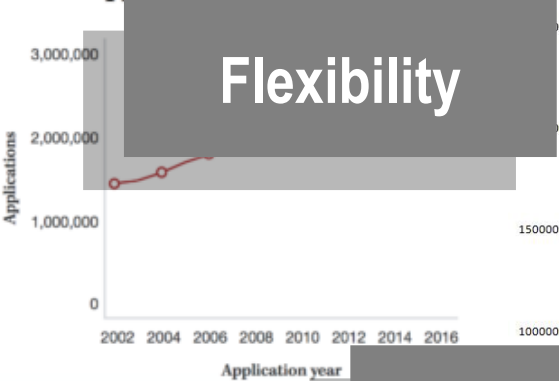
# Time and Circumstances Have Changed





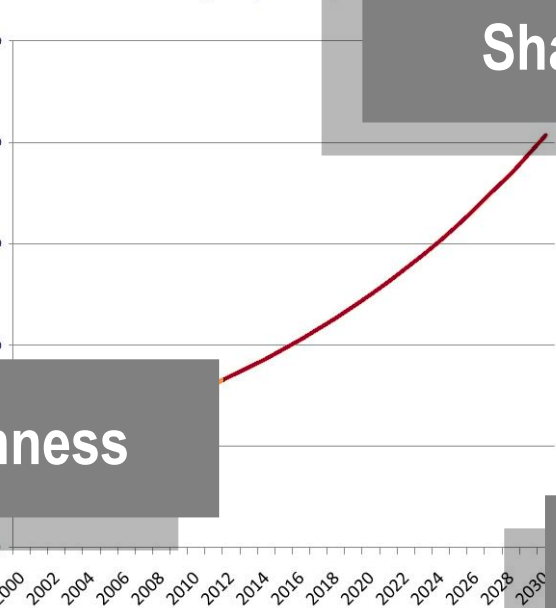
# Complexity in Education is Growing

Patent applications worldwide



Flexibility

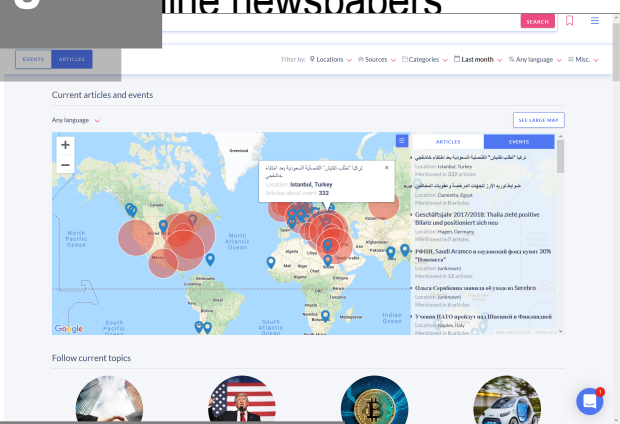
The Future? Assuming 5% year-on-year



Openness

Sharing

News articles/day  
Online newspapers



“Moore’s Law  
science - doubling  
every 9 years

Collaboration



# The Teacher of Today?

Rules and  
Law

Monitoring  
and control

New  
knowledge/  
concepts/  
technologies

Local/social  
environment

7/24

Parents

Kids



# Students...





# Changing of the Values? Or Just Life Styles? Diversity of the World.





# Every Stakeholder in Education Has an Impact

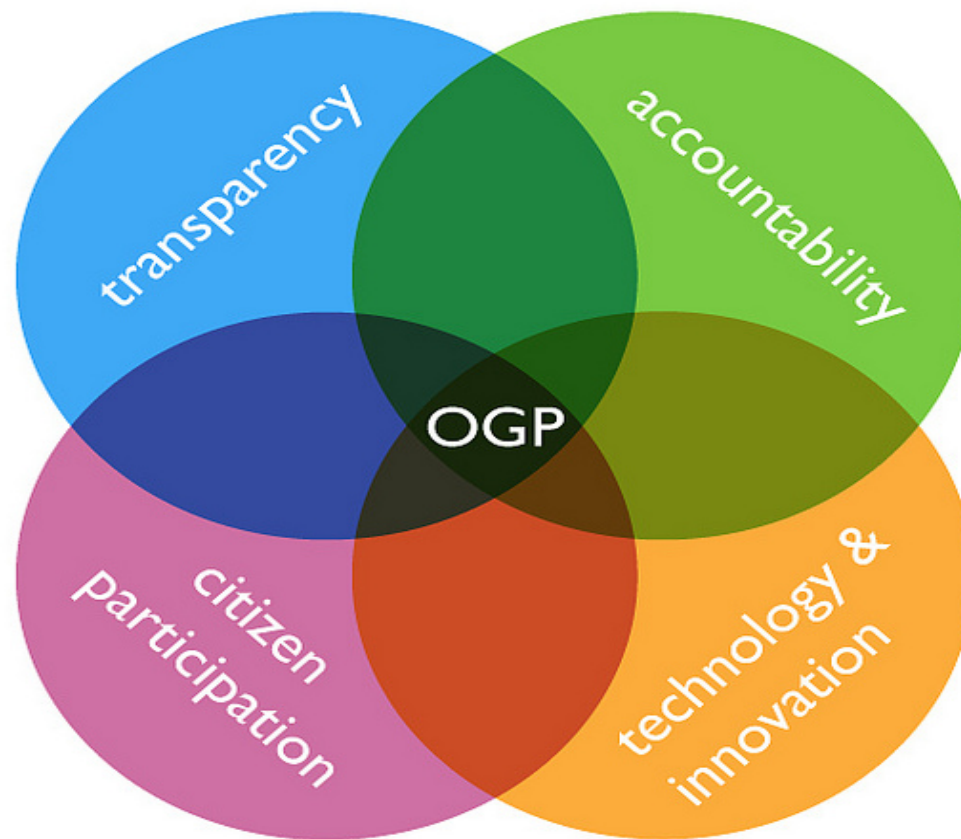
- **INTERNATIONAL ORGANIZATIONS**
- **GOVERNMENTS**
- **NATIONAL, LOCAL INSTITUTIONS**
- **PARENTS**
- **TEACHERS**
- **BUSINESS**
- **TRADE UNIONS**
- **YOUTH REPRESENTATIVES**
- **DIFFERENT ASSOCIATION**

....

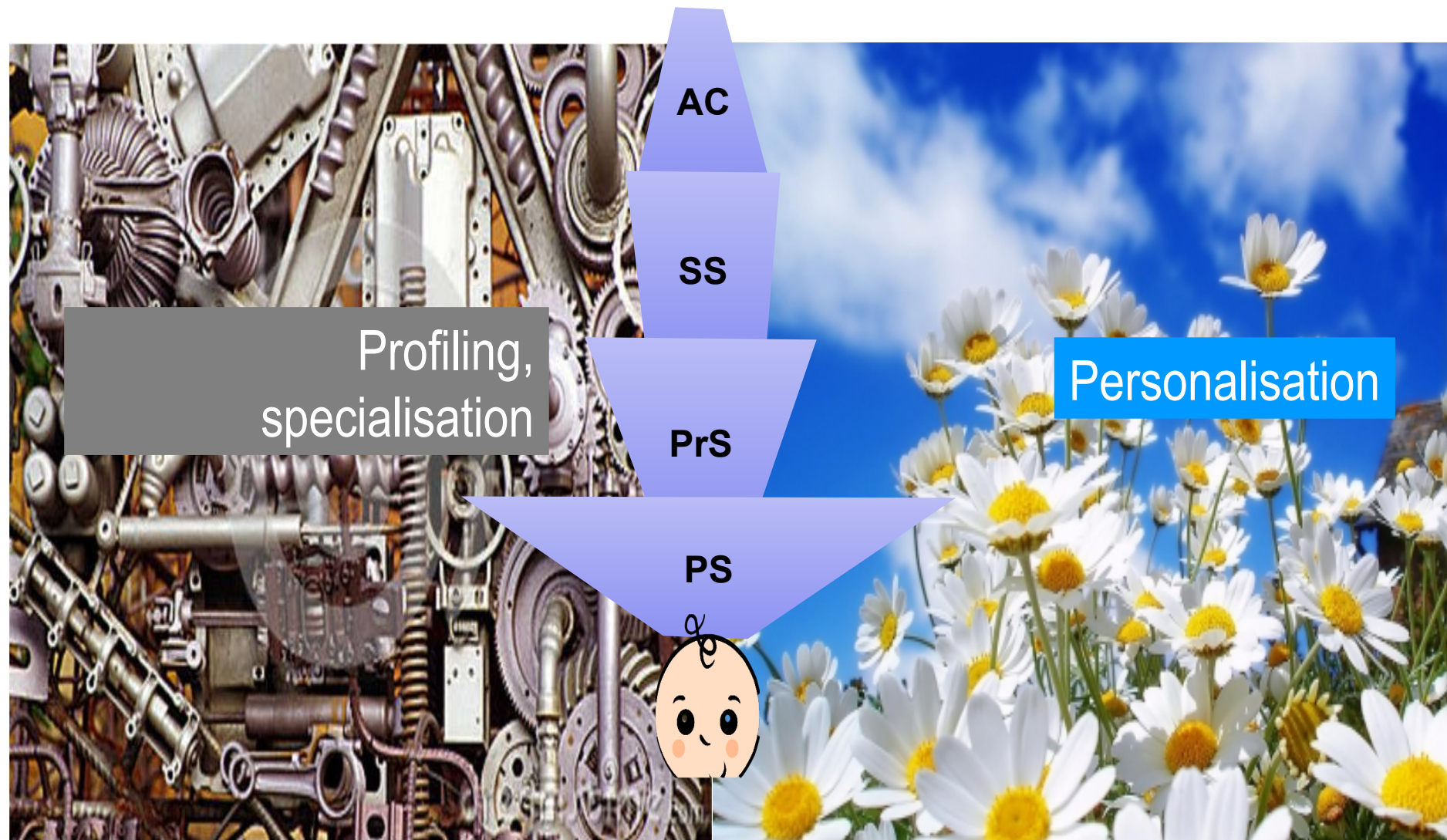




# Open Government/Open Country

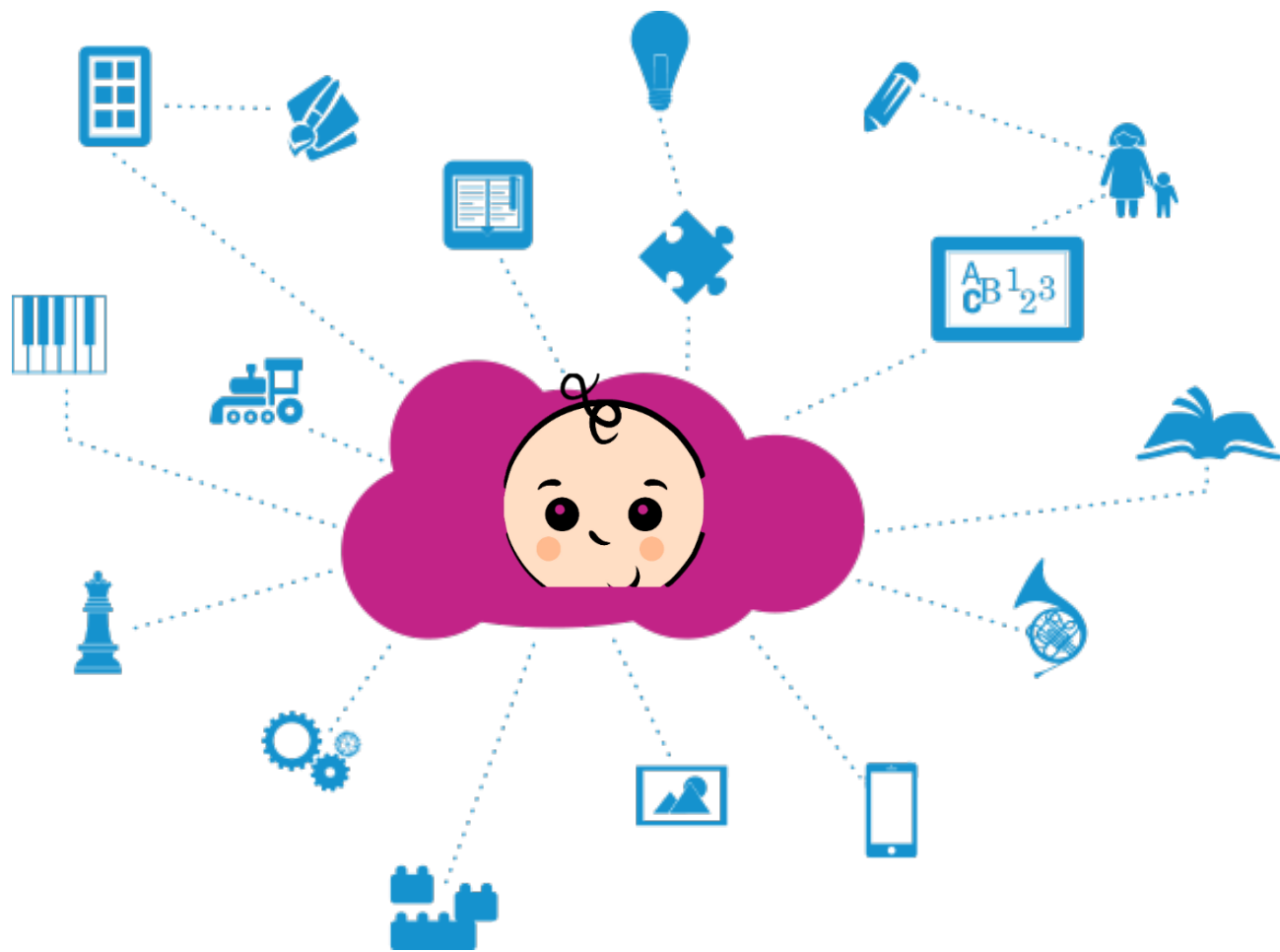


# What If ....





# Adaptive (Social) Environment and Motivation



## ... And What If ...

*MERCOSUR region would be the model and the most innovative and open region that is based on Open Education?*

Already experiencing very good cooperation with UNESCO OER Chair/School of Education, UnB and with Fundacao Getulio Vargas (member of the Board of Open Education Consortium)



# Holistic Approach and Openness

## Global with UNESCO

Formal process by 2019 to setup a normative instrument/recommendation to change policies adopted by 195 member states

2<sup>nd</sup> World OER congress as one of the milestones in the process (380 delegates, 28 ministers, 22 side events)

*MERCOSUR could serve as a good practice?*

## EU with EC

Slovenia + 8 EU countries to setup the same process for EU

## Regional with MERCOSUR Countries (like SEE)

Opening Up Balkans (8 countries)

## National with Opening Up Slovenia

Spreading to other social sub-systems

# True Openness, Accessibility, Transparency

Open Universities

Incentives and motivation

Open accreditation

Open value added models

Open badges

Open content

Open licenses

Open textbook

Open organisation

MOOCs

Open source

Open environment

Open legislation

Open Context Aware Environments

Open software

Open access

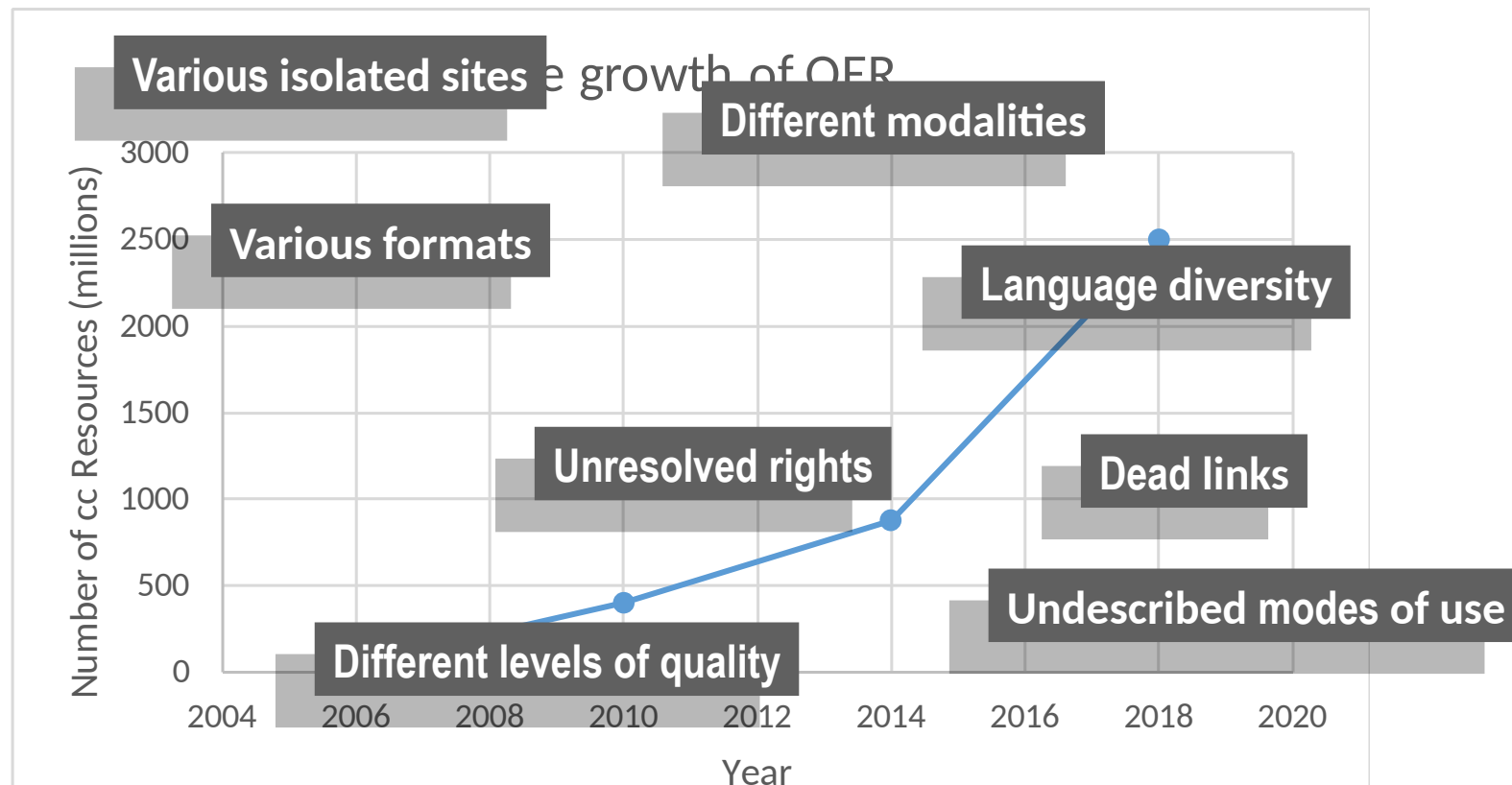
OER

Open curriculum

OCW

Open approach

# The Growth of OER



Source: Hewlett  
Foundation

## Methods

PhotoMath  
Scanner history

Contextify Dialogs

Search filters

Conditions:  OpenCast Matterhorn

Exclusions:

Content

Rubén Pérez to OpenCast Matterhorn

Re: [OpenCast Matterhorn] Problem (buildererror)

Hey, Comments inline: Nope, you need

Rubén Pérez to OpenCast Matterhorn

Re: [OpenCast Matterhorn] nexus is

I'll be more than glad to help, in case you

Matpro Fhkoein to OpenCast Matterhorn

Re: [OpenCast Matterhorn] Problem (build error)

Hello Rubén Pérez, Wow, 9 minutes... #

Rubén Pérez to OpenCast Matterhorn

Re: [OpenCast Matterhorn] Matterhorn

Oops! My bad! I was including the "/doc" part in the

you get the xml schema of the returned

Josh Holtzman to OpenCast Matterhorn

Re: [OpenCast Matterhorn] nexus is

Shouldn't be difficult at all. I can probab

Josh Holtzman to OpenCast Matterhorn

Regarding gstreamer plugins you menti

(141) [Empire State College – OER Resources](#)

[subjectguides.esc.edu/OER](#)

The primary goal of the Community College Open Educational Resources is to identify, curate, and make available open educational resources and open...

(13) [Community College Consortium for Open Educational Resources](#)

[oerconsortium.org](#)

Our mission is to expand access to education and awareness and adoption of Open Educational Resources. 250 colleges have joined us and many...

(166) [Open Educational Resources Community College](#)

[www.pvc.maricopa.edu/oer](#)

Welcome to Open Educational Resources

2004 2005

ACCRDITD

ASSOCIATION ACCREDITED

1 person in chat

17:45 7/9/2015

20 17° 20% 23:57

06770 Maybe at European Commission office?

Enough about Ninja House

Can we talk about the concept 'general photosynthesis'?

Ok

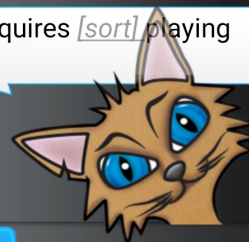
general photosynthesis:

[General photosynthesis](#) requires an [autotroph](#) playing the role of "bodily doer".

[General photosynthesis](#) requires a [microscopic object](#) playing the role of "moving object".

Ok

[General photosynthesis](#) requires [sort] playing the role of "bodily doer".



I don't know

Nothing else

Write here...



Enough about general photo

Don : the Salvation Army is headed by John Major.





# Learning Programs and Curriculum

Number of learning programs:.....?

Programs and curriculum are in most countries hard coded in the educational system

Primary and secondary school – school reform (X) years

Academia is autonomous but still need QA (X) years

... but are well described and structured.

Open programs and open curriculum:

Students active engagement in structuring learning

Program following students' needs, desires and goals

Dynamic

*Open curriculum needs open organization.*



# From the Kindergarten On...

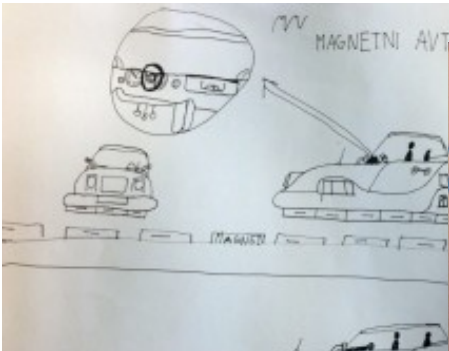


utko

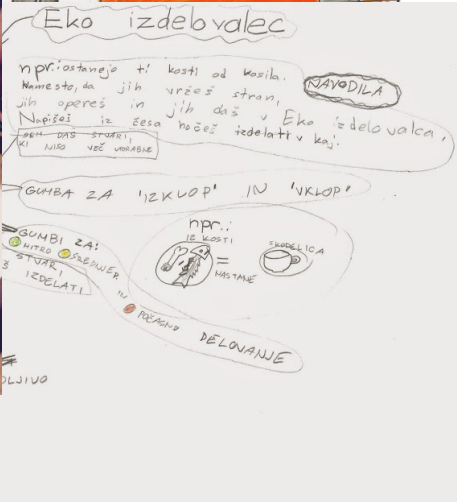




# The Case of the Kindergarten Trnovo, Ljubljana



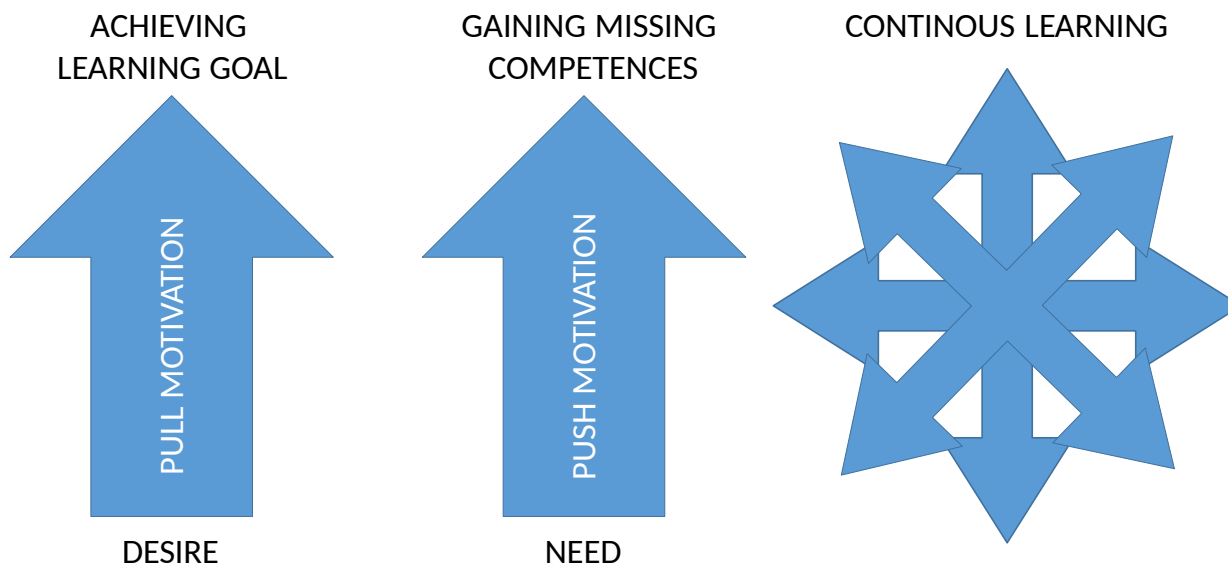
ROBOT ZA MENJAVANJE LUČI NA AVTOMOBILIH  
ROBOT Z  
DOLGIM ZAROKOM  
SLUŠALKE  
ZA



# Added Value Models (Motivation)

A shared but personalised goal.

For students, for teachers, for schools, for economy, for society, for humanity.



# Competences and Skills Demand

**Top down:** Various qualification and credential standards – by institution, country, region, continent (LOM, Diploma supplement, EQF, ...)

Hard to synchronise.

Legislative and policy restrictions.

Trust?

**Bottom up:** Skills and competences checked by the employer.

Costly and time consuming.

Various descriptions.

Existing data allows modelling.



# Job Changes and OER

rofile



# What Have We Achieved So Far?

First nation-wide initiative

Recommendation at the UNESCO level

WORLD SLOVENIA MAP

Strategic commitment of Slovenian government

>30 running projects

EC and UNESCO awareness and support

First policy initiatives

First EOI from potential investors

Followers knocking

Opening up Balkans





# Current Activities

**Pursuing the recommendation – political action**

**Dynamic coalition of OER-ised countries**

Regular check-point events/conferences

**Initiating normative instrument on OER in EU**

12 EU countries signed and supported UNESCO instrument  
→ **recommendation**

*... Opening Up Mercosur?*





# UNESCO Chair Running Activities

## Process for UNESCO recommendation on OER

Dynamic coalition of countries: *MERCOSUR* role? *Individual Countries?*

Opening Up Slovenia

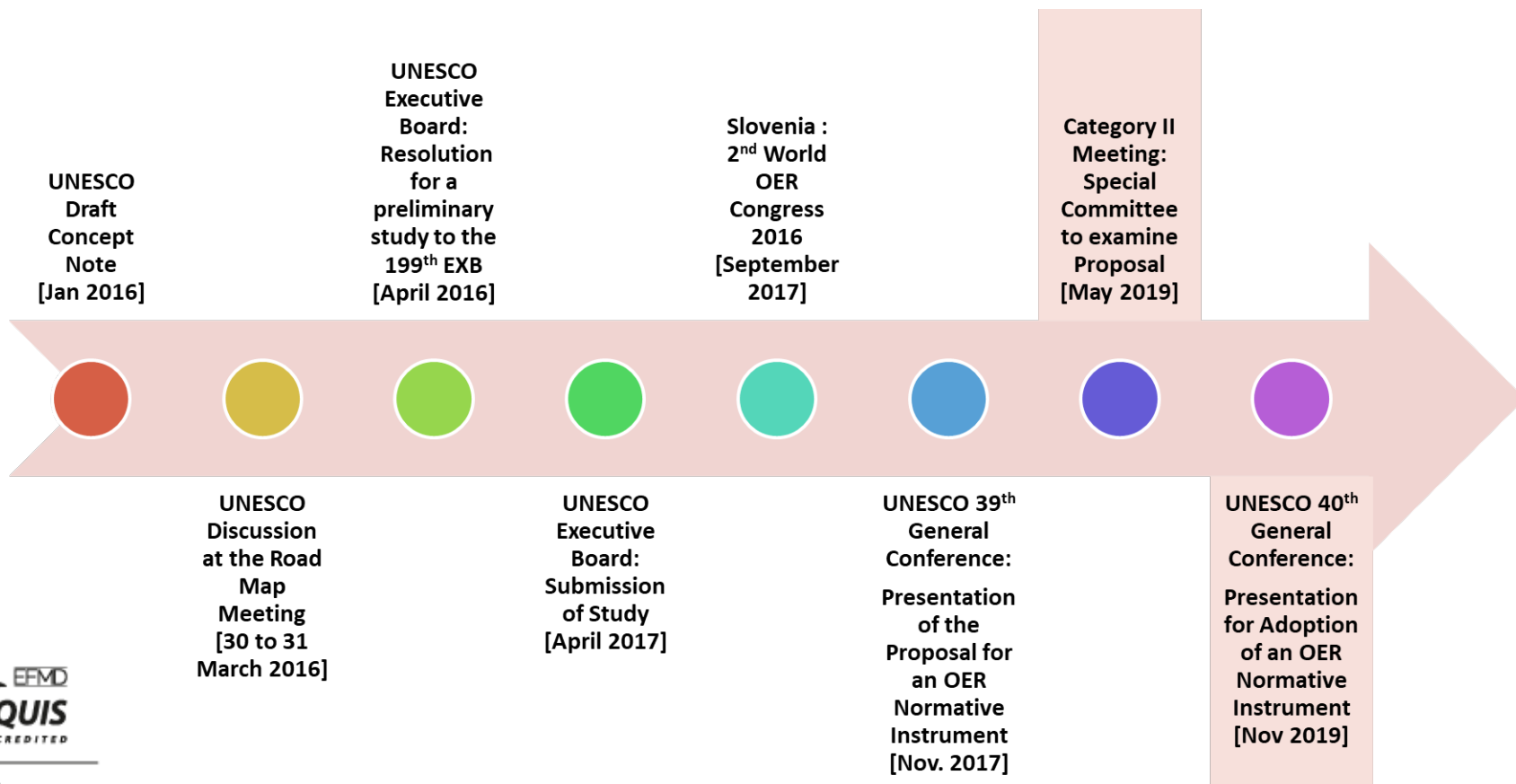
Opening Up SEE/MERCOSUR(?)

OER for a Better World:

Series of RTD projects:

- *IT enabled learning*
- *Smart cities, smart transport and mobility, smart grids*
- *Transparent government*
- ....

# Macro Process and Time Line



# OU MERCOSUR: *What is Needed?*

***A clear strategy*** – example of OuS (SI and UNESCO)

**Agreement** between stakeholders including ministries (ALL)

Critical mass for **a mind shift** (UNESCO and open communities)

A mechanism to influence **global through regional** (UNESCO)

*Concrete projects, open results, best practice sharing, joint programmes (ALL)*

An influential cross-border, regional community of stakeholders  
**(YOU)**

.... **A global perspective!**

# But...

What it counts most is ...

***Parallel and persistent BOTTOM UP AND TOP DOWN  
APPROACH TO CREATE THE CONTEMPORARY  
BALANCE***

***But not without...***

***PROACTIVE AND VISIONARY STAKEHOLDERS AND  
BELIEVERS***



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