



# eLearning, Open Education & Analytics @ICDE

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International Council for Open and Distance Education - ICDE

To be the global facilitator for inclusive,  
flexible, quality learning and teaching in the  
digital age.



INTERNATIONAL  
COUNCIL FOR OPEN AND  
DISTANCE EDUCATION

Founded 1938



Support  
From  
Norway  
29 years

UNESCO  
Partner  
>50 years



Open, Transparent,  
Accountable and focus on good  
Governance



ICDE activities related to:

- Quality
- Open (OER, Open Licencing, Open Access, Open Education...)
- Learning Analytics
- Leadership for digital transformation
- Lifelong learning
- Policy development
- Collaboration and building of learning communities



**Incheon Declaration**  
and  
**Framework for Action**

for the implementation of  
Sustainable Development Goal 4

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

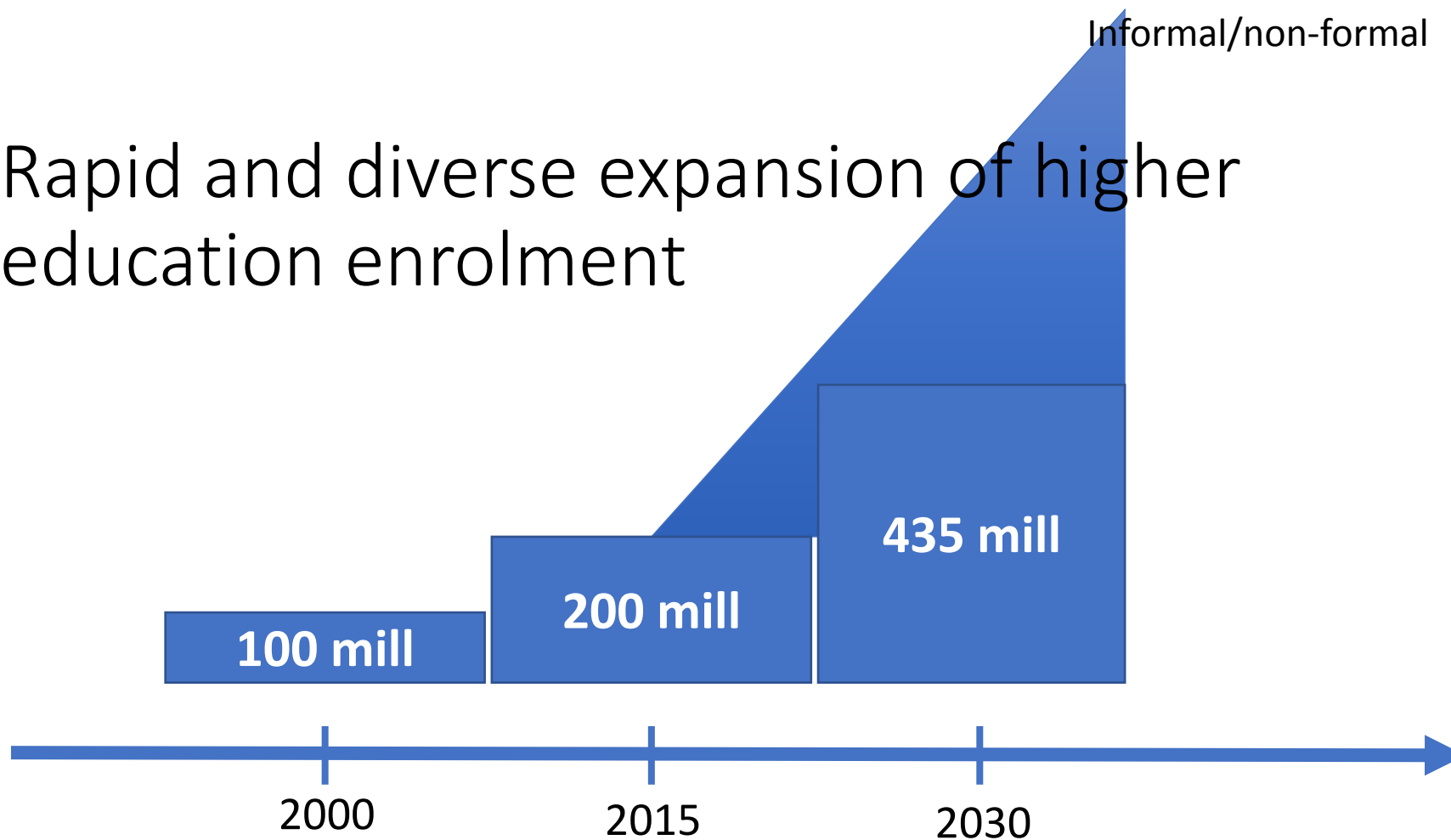


## Target 3, point 43.:

A well-established, properly-regulated tertiary education system supported by technology, Open Educational Resources (OERs) and distance education modalities can increase access, equity, quality and relevance, and narrow the gap between what is taught at tertiary education institutions and what economies and societies demand. The provision of tertiary education should be progressively free, in line with existing international agreements.

Informal/non-formal

Rapid and diverse expansion of higher  
education enrolment



Only possible facilitated by online, open and flexible learning





# Visionary Leadership for Digital Transformation

## Higher education for the sustainable world we want

24 May 2017

UNESCO HQ, Paris, France

*Hosted by UNESCO, organised by all three partners*



will not be met unless stakeholders, drawing on humanistic values, collaborate to lead the digital transformation of higher education - making online, open, flexible, and technology enhanced learning a part of the solution.

# ICDE and open



## 1.3 Contribute to successful development and utilisation of Open:

- Open Education Resources
- Open Licensing
- Open Access
- Open Learning and Education
- Open Knowledge
- Open Source
- Open Innovation
- Open Policy

**ICDE**  
**Strategic Plan**  
**2017 - 2020**





2<sup>nd</sup> OER World OER Congress Ljubljana:  
OER Action Plan adopted to mainstream open-licensed educational  
resources: <http://www.oercongress.org/woerc-actionplan/>



UNESCO General Conference decision 8 November 2017:

To come in 2019

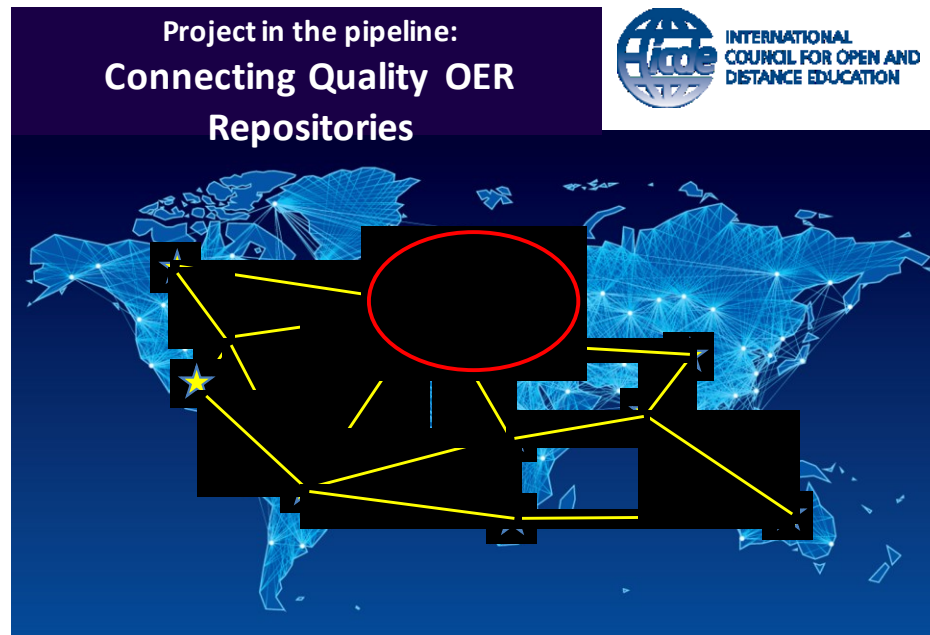
**UNESCO Recommendation for  
Future International Collaboration  
in the field of Open Educational  
Resources (OER)**

# ICDE main responses:



ICDE Chairs in OER

ICDE OER Advocacy Committee



# Paradox



The gap between widespread OER production and the efficiency and efficacy of their reuse to support learning and widen access to higher education

# The goal for GOL



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*“To have global access to and use of quality-assured, freely licenced OERs for curricula / grades in upper secondary and higher education available across countries, across languages and across cultures.”*

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# Learning Analytics



*“Learning Analytics is the measurement, collection, analysis and reporting of data about learners and their contexts, for purposes of understanding and optimizing learning and the environments in which it occurs”. (Wikipedia, October 2017).*

*The 2016 Horizon Report described learning analytics as "an educational application of web analytics aimed at learner profiling, a process of gathering and analyzing details of individual student interactions in online learning activities."*

Relevance only for online educators?

# A classroom in a regular primary school in Norway





# Every pupil has their own ipad

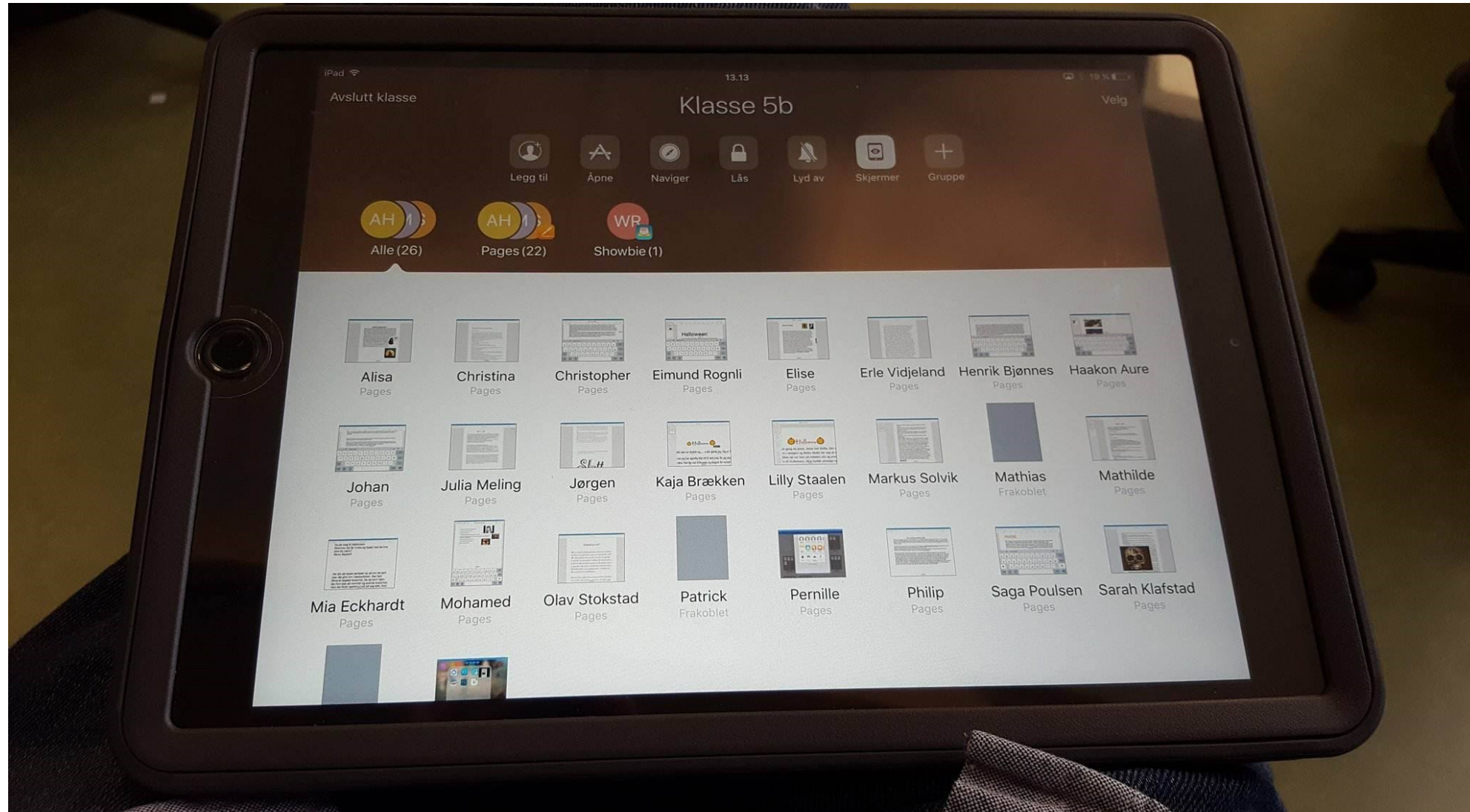


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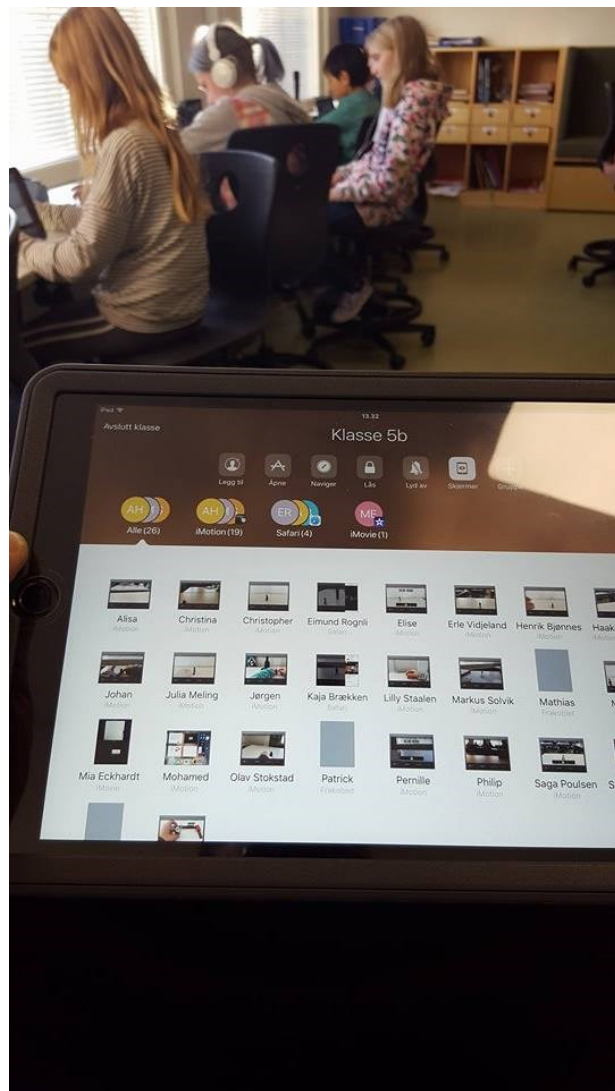




# The teacher monitors every screen



The teacher is placed in the background



And the  
pupils at  
the front  
(this girl  
explains her  
math  
homework to  
the rest of the  
class in the big  
screen)





The teacher role and working environment has changed a lot



# Significant changes



- Learning happens more and more online, also in traditional F2F learning environments
- Virtual learning produces data that can feed learning analysis = increased transparency
- Students expect more personalized learning and feedback
- Teachers can monitor students more closely and adapt their teaching
- Institutions, Accreditation Bodies and QA agencies need to monitor and report statistics of success rates, retention etc.



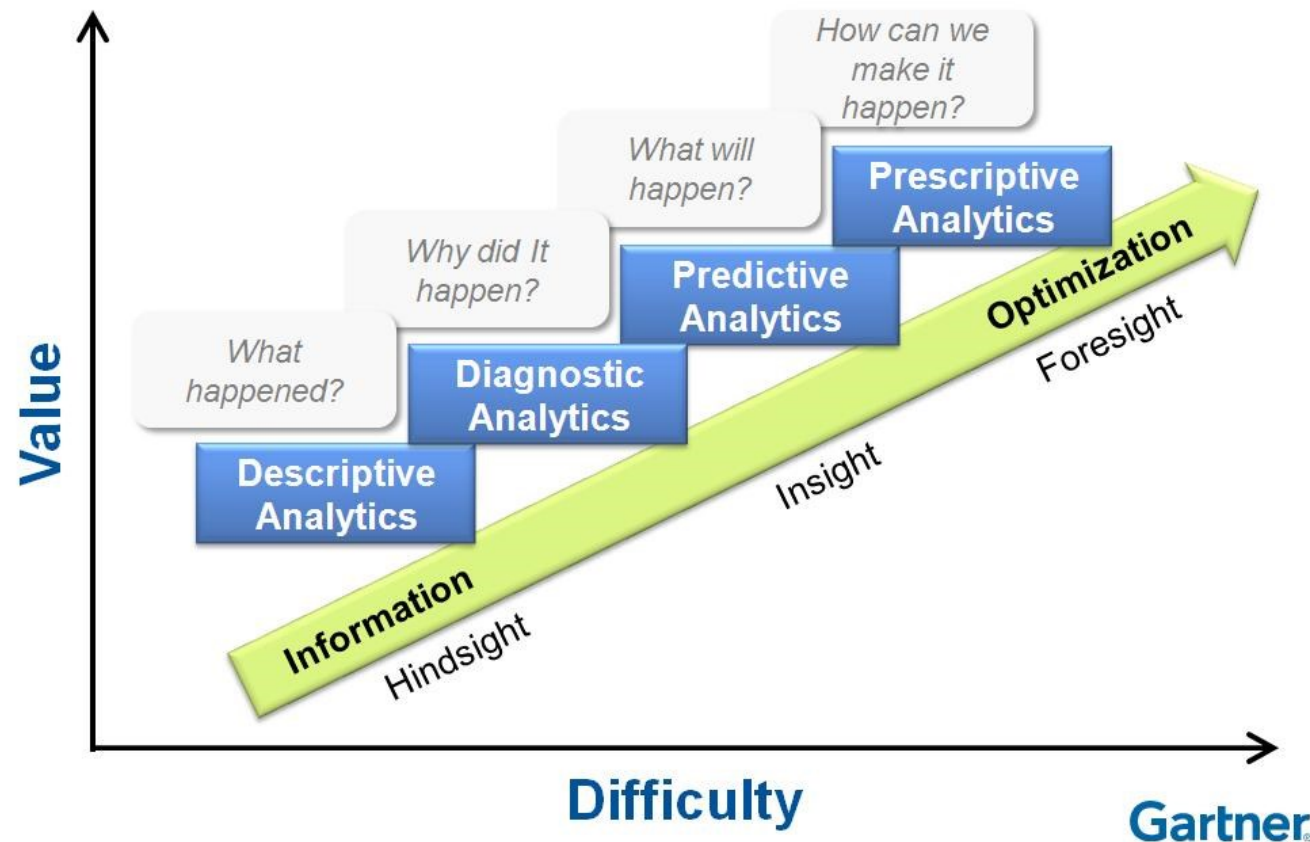
# Use and value of Analytics

(Gartner)



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## Analytics Are No Longer a Nice to Have



# Many questions raised



- Institutional adoption of LA – how do we start?
- Code of conduct for ethics in LA? (data ownership, privacy protection, transparency of institutional purposes, legal compliance, resource constraints...)
- Conflicting interests in LA from the perspective of the students vs. institutions?
- The role of OER in “closed” systems (like LMS’s) and LA
- The risk of instrumental learning and student behaviour
- LA to support individual vs. collaborative learning

# ICDE and Learning Analytics



- Two insight papers on Learning Analytics published 2016
- ICDE Leadership Summit 2017 titled: ***Leadership when transforming education through learning analytics and adaptive learning***
- Groups and activities launched 2017:
  - ICDE Cluster for Learning Analytics
  - Working group on code of conduct for ethics in LA
  - Task force for recommendations in LA


# ICDE resources and networks



Home x OER - ICDE Blog x

Secure | https://icdeblog.com/category/oer/


Apps New Tab Google Oversetter Essay on two recent Bb Flipped Learning Net Innboks (36) - togjeli ABC webmail PC og internet - et G Importér aktiviteter MinSide Participate Learning



### OER Advocacy – Some Reflections

2017-11-03


What should advocates for expanded use of OER and open courses and open access be doing these next 25 years to make OER, open courses, open access – and even access to working computers and reliable wireless or wired networks – a universal reality?



### OER: "Moving towards the tipping point"

2017-09-22

A three days world congress of OER has come to an end, hosted by a small country with an impressive dedication to OER as an enabler for inclusive and equitable quality education and the Education 2030 Agenda.



### Open consult Global Open

2017-09-21

At the 2nd OER World network, Global Open presented. Now we v Wednesday 11 October

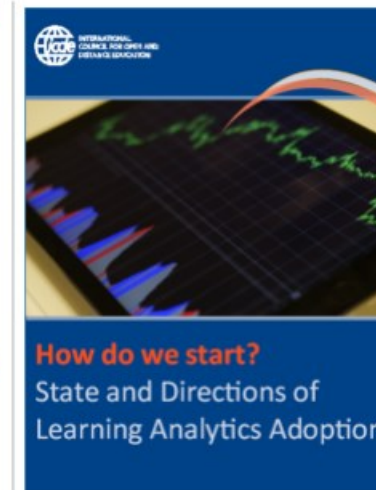
By: Gard Titlestad, S

ICDE Blog

## Insight Papers on Learning Analytics

ICDE has published two insight papers written by esteemed scholars:

- *'Higher Education and the Revolution in Learning Analytics'* by Anne Boyer
- *'State and Directions of Learning Analytics Adoption'* by Shane Dawson,



Learning Analytics Cluster for members with activities in LA





# Sources



Anne Boyer: [\*Learning Analytics – Mode ou opportunité\*](#), Insight Report, Contact North, 2017

Gartner: [\*Analytics Framework, 2013\*](#)

Dragan Gacevic et. al: [\*How do we start? State and directions of Learning Analytics Adoption\*](#), ICDE Insight Paper, 2016

Anne Boyer and Geoffray Bonnin: [\*Higher Education and the Revolution of Learning Analytics\*](#), ICDE Insight Paper, 2016

# Thank you



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