OAT & TAO Introduction

FLIP Event Rome, June 6th 2019

Mark Molenaar – Open Assessment Technologies

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Platform,
Do It Yourself

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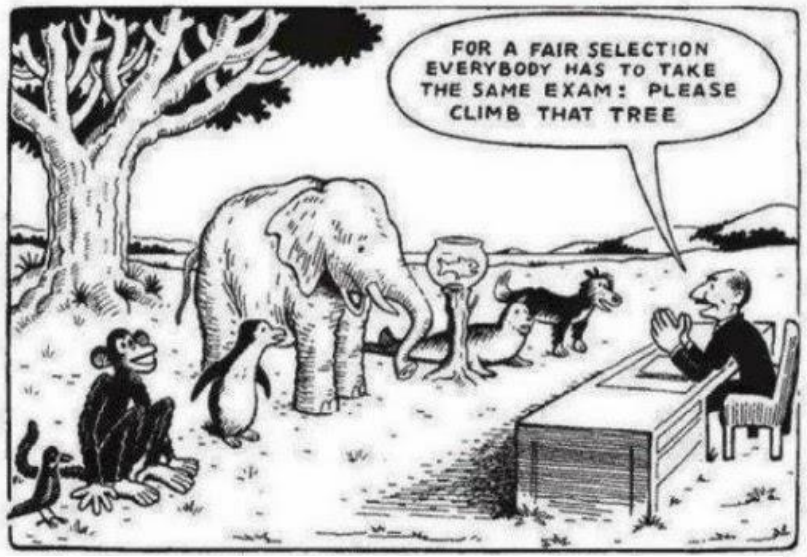
TAO PREMIUM EDITION

TAO in the Cloud,
Log in and Get
Going

Learn More

Compare All Three Editions

Technology Is Transforming Education In a BIG Way



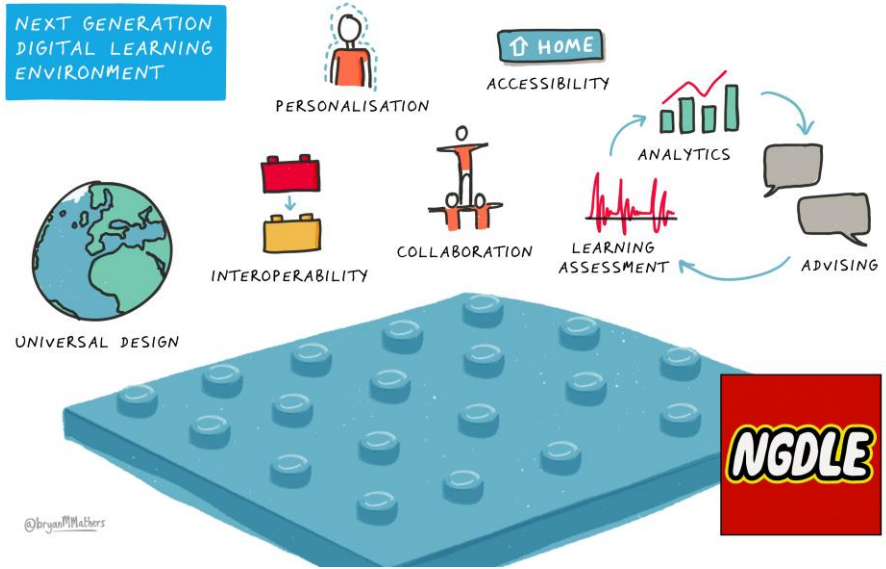
From one-size-fits-all…

To:

PersonalizedLearning

The Next Generation Digital Learning Environment (NGDLE)

"A learning environment consisting of learning tools and components that adhere to common standards."



The Next Generation Digital Learning Environment

A Report on Research

Malcolm Brown, EDUCAUSE Learning Initiative

Joanne Dehoney, EDUCAUSE

Nancy Millichap, Next Generation Learning Challenges

ELI Paper
April 2015

Abstract

In partnership with the Bill & Melinda Gates Foundation, EDUCAUSE explored the gaps between current learning management tools and a digital learning environment that could meet the changing needs of higher education. Consultations with more than 70 community thought leaders brought into relief the contours of a next generation digital learning environment (NGDLE). Its principal functional domains are interoperability; personalization; analytics, advising, and learning assessment; collaboration; and accessibility and universal design. Since no single application can deliver in all those domains, we recommend a "Lego" approach to realizing the NGDLE, where NGDLE-conforming components are built that allow individuals and institutions the opportunity to construct learning environments tailored to their requirements and goals.

Source: http://www.ngdle.org

Powered by Open Standards

IMS GLOBAL®

Current Registrations:
imscert.org

OAT Leadership

- Co-chair aQTI/QTI 3
  - Currently (natively) supporting QTI 2.0, 2.1, 2.2, APIP 1.0
  - Support for Portable Custom Interaction (PCI), allowing interoperable Technology Enhanced Items (TEIs)
  - Initiator and co-chair Standard on CAT (Computer Adaptive Testing)
- Participant in LTI, Caliper, CASE, Standard on Proctoring Workgroups
  - Currently supporting LTI 1.1
- Member and former chairs of IMS Assessment Product Steering Committee (APSC, formerly EBA); currently chaired by Jason Carlson
  - Also governing Standard on (Remote) Proctoring

Relevant Standards

QTI — Question & Test Interoperability

PNP — Personal Needs & Preferences

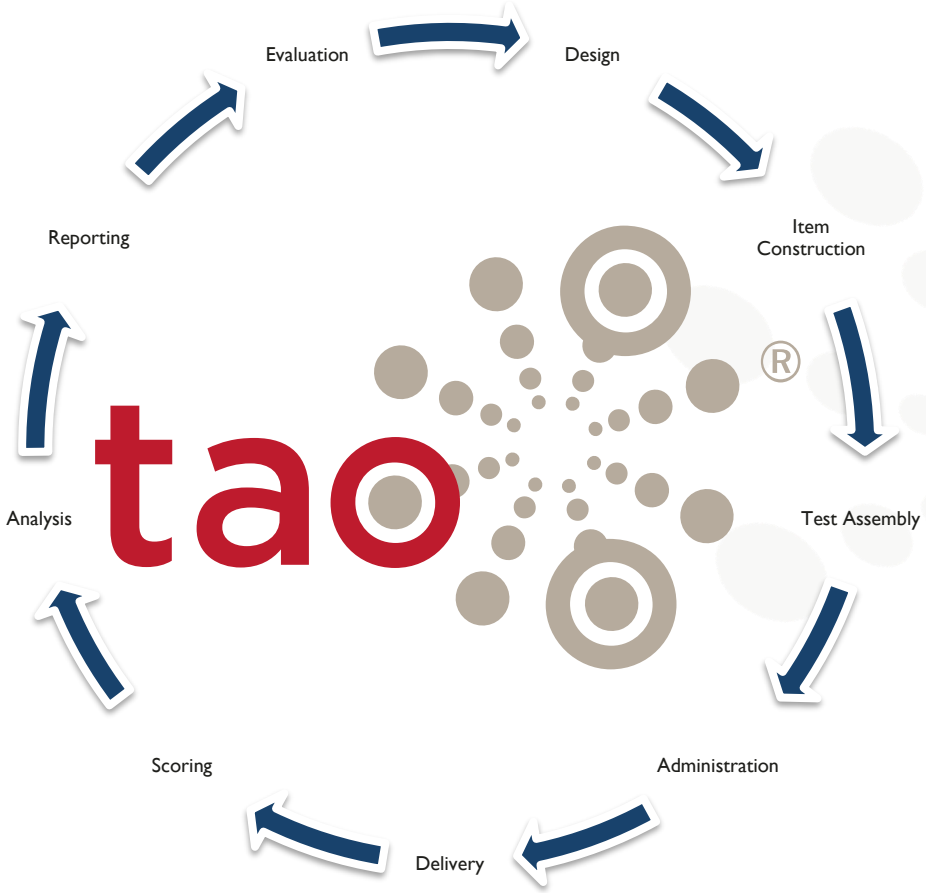
One Roster — OneRoster: Candidate, Rostering Info

CASE — Curriculum & Academic Standards Exchange

LTI — Learning Tools Interoperability
LTI Resource Search

Caliper — Caliper: Learning Analytics

One Core


Evaluation
Design
Item Construction
Test Assembly
Administration
Delivery
Scoring
Analysis
Reporting
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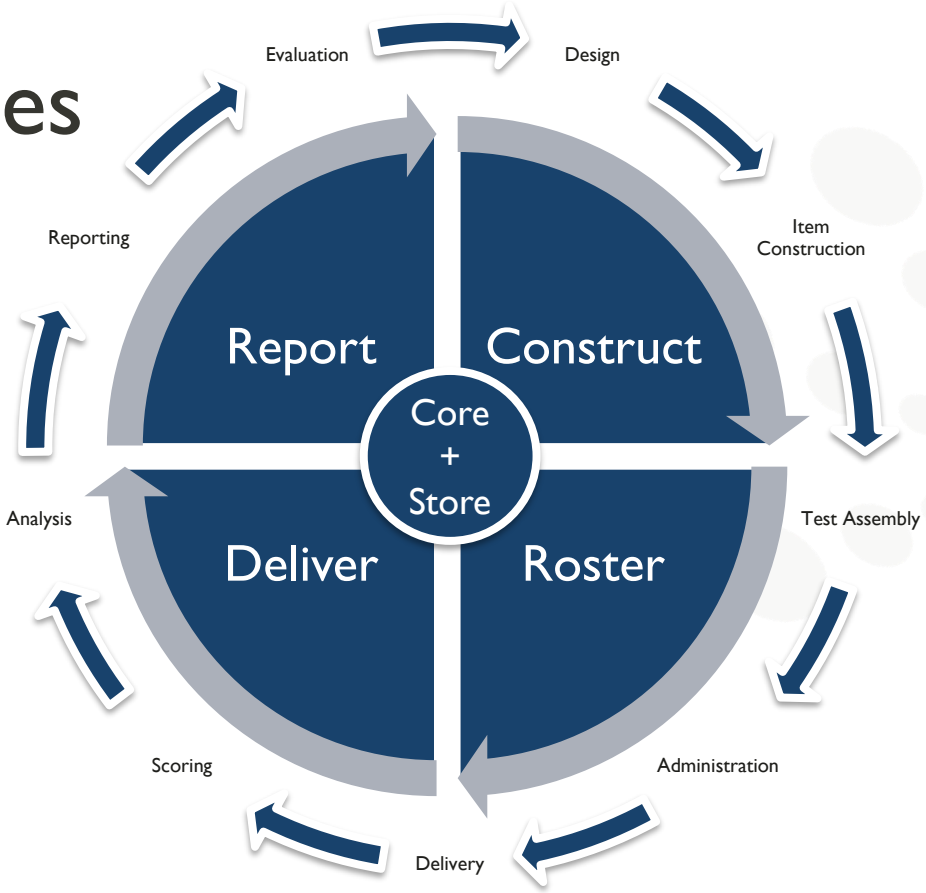
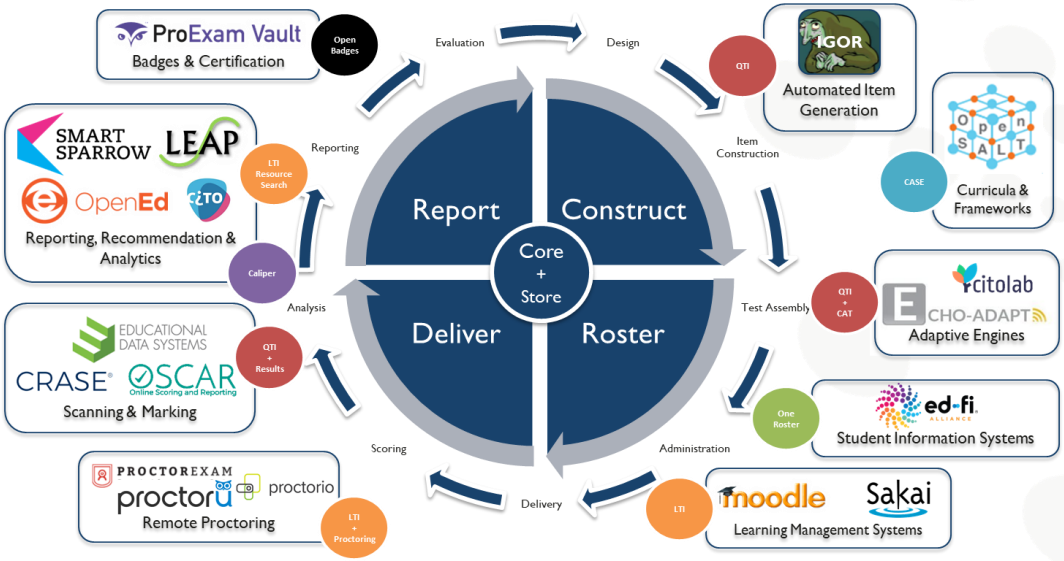
Four Modules



TAO: Part of a Bigger Ecosystem



Open Standards Based Approach: Use It, Improve It, Define it

Open Source Benefits & Misconceptions

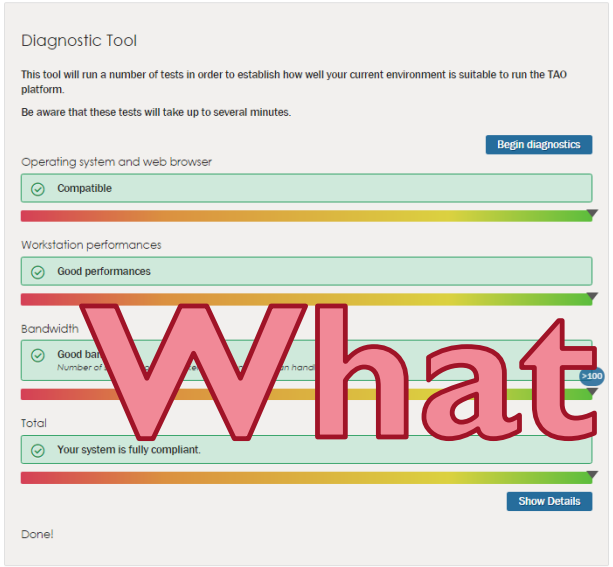
Benefits

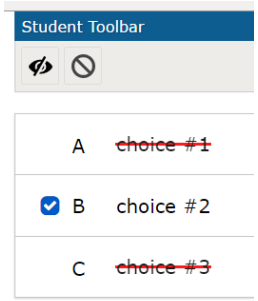
- Freedom to choose
  - Custom extensions
- Community collaboration
  - Benefit from other contributions
- No vendor lock-in
  - Take the code with you
- Lower cost
  - No license fees

https://flip-initiative.org/

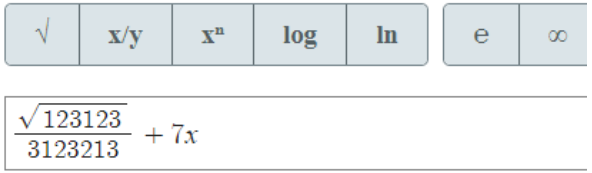
Misconceptions

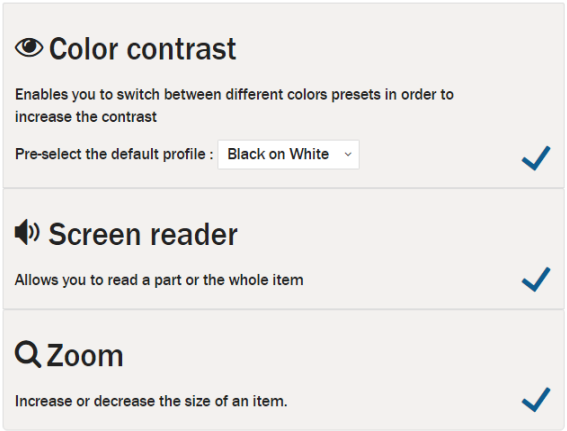
- Everyone can change your code
  - OAT led process (pull request) in place for central repositories
- No content ownership
  - All content remains yours
- Less secure
  - Increased security by transparency, not obscurity…
- Risk to privacy
  - Depends on the implementation

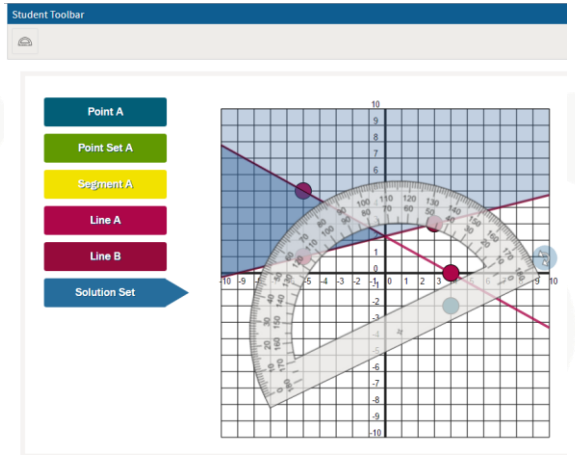




What About You?







Grazie!

markm@taotesting.com