KARUTA
PORTFOLIO INITIATIVE

Jacques Raynauld – MATI Montréal, HEC Montréal
OUTLINE

1. Sakai CLE OSP tools
2. Karuta – the name
3. Relevance of assessment portfolios
4. Our approach: flexibility and prototyping
5. Structure, Unit, Unit-structure, Resources
6. Examples
7. Leveraging KARUTA
8. Technology
9. Additionnal fonctionnalities
10. Road-map

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SAKAI CLE OSP TOOLS

• The Open Source Portfolios tools in Sakai CLE
  • Have reached a significant level of maturity
  • Have taught us a great deal about how to do portfolios
  • Have significant issues with usability, quality of code, performance and QA
• We want to continue to offer portfolios in Sakai while upgrading their capabilities and usability
• HEC Montréal with Kyoto University, Three Canoes LLC with the help of IUT-2 Grenoble have proposed KARUTA, a new LTI enabled evaluation portfolio tool for Sakai CLE

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THE NAME

Karuta (カルタ金) was a type of armour worn by samurai warriors during the feudal era of Japan.

The word karuta comes from the Portuguese word meaning "card", (carta) as the small square or rectangular plates that compose the armour resemble traditional Japanese playing cards.

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RELEVANCE OF ASSESSMENT PORTFOLIOS

Many types of portfolios
• Learning portfolios
• Showcase portfolios
• Assessment portfolios
  • A specific collection of artifacts and reflections that represent an individual’s learning and accomplishments within a programmatic learning context.
  • Evidence is linked to learning outcomes and evaluated using rubrics.
  • Reports aggregate and analyze data and identify representative artifacts.
RELEVANCE OF ASSESSMENT PORTFOLIOS

MINISTÈRE DE L’ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

UNIVERSITÉ NUMÉRIQUE

Livre blanc "la démarche ePortfolio dans l’enseignement supérieur français"

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RELEVANCE OF ASSESSMENT PORTFOLIOS

The European Qualifications Framework for Lifelong Learning (EQF)

WEB RESOURCE
Degree Qualifications Profile Corner
Here you will find a variety of information and resources for institutions working with the DQP and those interested in becoming involved with or learning from other institutions’ work. NILOA is working with Lumina Foundation for Education to better understand the utility of the DQP as a framework for assessing and advancing student learning. More »
December 21, 2012 | National Institute for Learning Outcomes Assessment (NILOA)
RELEVANCE OF ASSESSMENT PORTFOLIOS

Competency Report

Liberal arts Major Small Business Administration Minor

Analyze complicated materials
Analyze paintings and literature along with major themes in Marx, Spencer, Durkheim, and Simmel. Evaluate the differences between cognition and perception and analyze theories of human nature. Discuss emerging narrative and ideological components of postwar film and world literature. Demonstrate an understanding and knowledge of film Noir, "Nations at War in the Middle East" and of the Cold War and its aftermath.

Write about culture effectively
Write a summary of a major position in Social Psychology, a clear analysis of victimization, and a position paper based on an argument.

Compose academic essays in various rhetorical styles
Write a summary of a major position in Weber, Veblen, Cooley, and Mead and a research proposal and paper in a liberal arts discipline with an annotated bibliography.

Demonstrate knowledge of potential and limitations of technology’s advances
Demonstrate understanding of impacts of technology on institutions and humanity. Discuss impact of technology on facets of psychology and Sociology; the perpetuation of stereotypes through technology and possible changes in human nature and ethics due to technology.
OUR APPROACH

A framework in the spirit of OSP that permits … to organize different resources (text, documents, rubrics, comments, etc.)…

… according to a workflow for different users (students, tutors, etc.) … for assessment, guidance, reporting and presentation.

Lessons learned over the last three years
No one portfolio is the same
Flexibility is key, prototyping is a must

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OUR APPROACH WITH PARTNER SCHOOLS

KARUTA Designer
Prototype - Pilot
KARUTA Production

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EXAMPLE ASSESSMENT*

* Thanks to VirginiaTech for letting their TESOL Portfolio
  February 7 2014
### Content Knowledge of Language: Linguistics, Acquisition, and Development

#### Evaluation (tutor)

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Comments of the tutor.</th>
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<tr>
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#### Evaluation (peer)

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WAD - Web Application Designer

Mati Montréal

jacques.raynauld@hec.ca

Log in
Mati Montréal

Select a role

- designer
- concepteur
- étudiant
- reader
- superviseur
- tuteur

Submit

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**Welcome**

WAD is a tool to prototype web electronic portfolios

<table>
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Create

Sigle *
KarutaParis

Model

Save
Structure Chapter 1

Add a "Unit"
Add a "UnitStructure"
Add a "TextField"
Add a "Field"
Add a "TextRaw"
Add a "Document"
Add a "URL"
Add a "Calendar"
Add a "Image"
Add a "Video"
Add a "Comments"
KarutaParis

Unit - Page 1

asmint -

Add a "UnitStructure"

- Add a "TextField"
- Add a "Field"
- Add a "TextRaw"
- Add a "Document"
- Add a "URL"
- Add a "Calendar"
- Add a "Image"
- Add a "Video"
- Add a "Comments"
Unit - Page 1

Unit Structure - Section 1

Add a "UnitStructure"
Add a "TextField"
Add a "Field"
Add a "TextRaw"
Add a "Document"
Add a "URL"
Add a "Calendar"
Add a "Image"
Add a "Video"
Add a "Comments"
STRUCTURE-UNIT METADATA

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STRUCTURE – UNIT
OTHER METADATA

Resources #3

Roles - submit
Roles - edit
Edit - Title
Search
Roles - show
Roles - show to
Visible
Verification function
Menus
LEVERAGING KARUTA SPECIAL RESOURCES

Item
Get_Resource
Proxy
Menu

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LEVERAGING KARUTA ITEM

TESOL Rubrics

3 Distinguished. The candidate exhibits superior mastery of knowledge skills and dispositions required by the standard. The candidate substantially exceeds expectations by providing multiple layers of connected and convincing evidence to show exceptional performance in meeting the professional standard.

2 Proficient: The candidate exhibits intermediate to advanced performance in relation to essential knowledge, skills, and dispositions required by the standard. The candidate exceeds minimum expectation by providing multiple sources of clear evidence to make a strong case for meeting the professional standard.

1 Basic: The candidate exhibits minimum to intermediate performance in relation to essential knowledge, skills, and dispositions required by the standard. The candidate meets minimum expectations providing...
LEVERAGING KARUTA
GET_RESOURCE

Evaluation (tutor)

<table>
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<tr>
<td>2 - Proficient</td>
<td></td>
</tr>
<tr>
<td>1 - Basic</td>
<td></td>
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</table>

**Evaluation**

- **3 - Distinguished.** The candidate exhibits superior mastery of knowledge, skills and dispositions required by the standard. The candidate substantially exceeds expectations by providing multiple layers of connected and convincing evidence to show exceptional performance in meeting the professional standard.
- **2 - Proficient.** The candidate exhibits intermediate to advanced performance in relation to essential knowledge, skills and dispositions required by the standard. The candidate exceeds minimum expectations by providing multiple sources of clear evidence to make a strong case for meeting the professional standard.
- **1 - Basic.** The candidate exhibits minimum to intermediate performance in relation to essential knowledge, skills, and dispositions required by the standard. The candidate meets minimum expectations providing at minimal evidence to meet the professional standard.

Get_Resource

Search

KarutaRubrics.RubricA.label

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LEVERAGING KARUTA PROXY

Summary page for tutor

Evaluation content (tutor)

Search

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LEVERAGING KARUTA MENU

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LEVERAGING KARUTA MENU

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LEVERAGING KARUTA MENU
TECHNOLOGY

1. jQuery, javascript client
2. REST APIs implemented in Java and mySQL
3. Responsive Design
4. Twitter Bootstrap CSS
5. Group-role permissions
6. IMS LTI-1 (Three Canoes)
7. Almost LEAP2A (XML import/export)

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ADDITIONNAL FEATURES

1. Bilingual
2. Export, import, share, print portfolios
3. Showcase portfolio
4. Dashboards (matrices)
5. Reports
6. Online editing (no pop-up)
7. HTML output (publication)
8. Admin tools for instanciation of portfolios (KARUTA production)

Demo:
https://confluence.sakaiproject.org/display/OSP/Portfolios+for+the+Future+of+Sakai

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ROAD-MAP

1. To submit an Apereo Community Incubation Project
2. Improve the UI
3. Investigate scalability issues
4. Improve Admin tools
5. Notification LTI-1+ (Unicon)
6. Working on KARUTA 1.0 (May 2014)
7. Apereo Miami Conference  June 2014

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QUESTIONS?

Thanks to:

Olivier Gerbé, HEC Montréal
Janice Smith, Three Canoes LLC
Shoji Kajita, Kyoto University
Eric Giradin and Marc Vassoille, IUT-2 Grenoble
Nobry Ouk, MATI Montréal

And all our partner schools

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### STRUCTURE - UNIT

#### Resources #3

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**Metadata**

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<table>
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<tbody>
<tr>
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<tr>
<td>Roles - edit resource</td>
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