AN EMERGING INNOVATION SCORECARD
Informing the Adoption of New Learning Technologies

Ed Clark
Vice President for Technology and Chief Information Officer

Lisa Burke
Director of Instructional Transformation

John Kinsella
Instructional Systems Consultant
Minnesota’s largest private university, founded 1885

10,200+ Students

3 Campuses
- St. Paul, MN
- Minneapolis, MN
- Rome

7 Academic Divisions
- 90+ Majors
- 60+ Minors
- 60 Graduate Degrees

6200 Undergraduate

4000 Graduate
INSPIRATION
INNOVATION LIFECYCLE
INNOVATION LIFECYCLE

Should we invest further?

Should this move to baseline support?

Can this replace something in our service catalog?
research

(noun) 1 the systematic study of materials, phenomena, or processes
1. Knowledge
2. Persuasion
3. Decision
4. Implementation
5. Confirmation

Rogers (2003)
Diffusion of Innovations
1. Knowledge
2. Persuasion
3. Decision
4. Implementation
5. Confirmation

How effective is it?
Is it easier to use?
How much does it cost?
Does it work with our systems?
Can I use it to solve another problem?

(Kleinschmidt and Cooper, 1995; Tornatzky & Klein, 1982; Panne, et al., 2003, Anand, et al., 2006)
Can I try it out?

Who else is using it?

Can someone help me if I get stuck?

(Lin & Chen, 2012; Anand, et al., 2006; Ducharme, et al., 2007; Davis, 1989; Venkatesh, 2000; 2003)
<table>
<thead>
<tr>
<th>Organizational</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agenda-setting</td>
</tr>
<tr>
<td>2. Matching</td>
</tr>
<tr>
<td>3. Redefining/Restructuring</td>
</tr>
<tr>
<td>4. Clarification</td>
</tr>
<tr>
<td>5. Routinization</td>
</tr>
</tbody>
</table>

Rogers (2003)
Diffusion of Innovations
Organizational

1. Agenda-setting

2. Matching

3. Redefining/Restructuring

4. Clarification

5. Routinization

Does it solve a key problem for us?

Does it promote our strategic goals?

Does it work with our systems?

Do we have enough funding to keep this going?

(Rogers, 2003; Van De Ven, 1986; Venkatesh 2000; 2003)
Organizational

1. Agenda-setting

2. Matching

3. Redefining/Restructuring

4. Clarification

5. Routinization

How do we change it so that it works here?
How do we reorganize to adopt this?
What system(s) does this replace?

(Rogers, 2003; Van De Ven, 1986; Venkatesh 2000; 2003)
## Innovation Value Chain (IVC)

1. **Idea Generation**
2. **Conversion**
3. **Diffusion**

---

Hansen & Birkinshaw (2007)
Idea Generation

Ideas are screened

Ideas are funded

Ideas are converted into new applications

Ideas introduce new business practices

(Hansen & Birkinshaw, 2007)
<table>
<thead>
<tr>
<th>Individual</th>
<th>Organizational</th>
<th>IVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Knowledge</td>
<td>1. Agenda-setting</td>
<td>1. Idea Generation</td>
</tr>
<tr>
<td>4. Implementation</td>
<td>4. Clarification</td>
<td></td>
</tr>
<tr>
<td>5. Confirmation</td>
<td>5. Routinization</td>
<td></td>
</tr>
<tr>
<td>Individual</td>
<td>Organizational</td>
<td>IVC</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>1. Knowledge</td>
<td>1. Agenda-setting</td>
<td>1. Idea Generation</td>
</tr>
<tr>
<td>4. Implementation</td>
<td>4. Clarification</td>
<td></td>
</tr>
<tr>
<td>5. Confirmation</td>
<td>5. Routinization</td>
<td></td>
</tr>
</tbody>
</table>
THE EMERGING ST. THOMAS INNOVATION SCORECARD

https://www.flickr.com/photos/forestfarming/8666064891
Should we invest further?

Can this replace something in our service catalog?

Should this move to baseline support?

Pilot

Diffusion

INNOVATION LIFECYCLE
ST. THOMAS INNOVATION SCORECARD

• Five Categories
  • Innovation
  • Fit
  • Risk
  • Maturity
  • Integration

https://www.jisc.ac.uk/sites/default/files/ideas-campaign.jpg
DEMO
(TRY IT WITH ME!)

We would love your feedback!!

http://www.stthomas.edu/innovationrubric
ST. THOMAS INNOVATION SCORECARD

• Weighted scoring
  • 35% Innovation
  • 20% Fit
  • 15% Risk
  • 10% Maturity
  • 20% Integration

https://www.jisc.ac.uk/sites/default/files/ideas-campaign.jpg
APPLICATION OF THE ST. THOMAS INNOVATION SCORECARD

• Validated against recent deployments
  • Lynda.com
  • iLos
  • Camtasia
### Results for: Lynda.com

<table>
<thead>
<tr>
<th></th>
<th>Innovation:</th>
<th>Fit:</th>
<th>Risk:</th>
<th>Maturity:</th>
<th>Integration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Score</td>
<td>33</td>
<td>44</td>
<td>15</td>
<td>20</td>
<td>18</td>
</tr>
<tr>
<td>Weighted Score</td>
<td><strong>27.50</strong></td>
<td><strong>17.25</strong></td>
<td><strong>14.06</strong></td>
<td><strong>8.70</strong></td>
<td><strong>20.00</strong></td>
</tr>
</tbody>
</table>

**Overall Percentage:** 87.51 %
Results for: iLos

<table>
<thead>
<tr>
<th></th>
<th>Innovation:</th>
<th>Fit:</th>
<th>Risk:</th>
<th>Maturity:</th>
<th>Integration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Score</td>
<td>32</td>
<td>45</td>
<td>14</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Weighted Score</td>
<td>26.67</td>
<td>17.65</td>
<td>13.13</td>
<td>6.52</td>
<td>16.67</td>
</tr>
</tbody>
</table>

**Overall Percentage:** 80.639999999999999 %
### Results for: Camtasia / Ensemble Video

<table>
<thead>
<tr>
<th></th>
<th>Innovation:</th>
<th>Fit:</th>
<th>Risk:</th>
<th>Maturity:</th>
<th>Integration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Score</td>
<td>22</td>
<td>33</td>
<td>12</td>
<td>16</td>
<td>13</td>
</tr>
<tr>
<td>Weighted Score</td>
<td>18.33</td>
<td>12.94</td>
<td>11.25</td>
<td>6.96</td>
<td>14.44</td>
</tr>
</tbody>
</table>

**Overall Percentage:** 63.919999999999995 %
INNOVATION SCORECARD
DOWNLOAD OPTIONS:

Word

Qualtrics