

# ePortfolio: Past, Present and Future

Dr. Helen Barrett  
International Society for  
Technology in Education and  
University of Alaska Anchorage

## *Past*

### ✦ 1991~1996

- ✦ Dedicated desktop applications (Scholastic, Grady Profile) - K-12

### ✦ 1997~2001

- ✦ Internet-compatible formats (PDF, HTML) - Higher Ed
- ✦ Small-scale implementation
  - ✦ Classrooms, Courses, Individuals

## *Present*

### ✦ 2001~2004

- ✦ Increasing interest in Higher Ed
- ✦ NLII & Industry focus (Educause)
- ✦ Decreasing interest in K-12 in U.S. (NCLB)
- ✦ Commercial Market emerging
- ✦ Institution-wide implementation
  - ✦ Programs, campuses, Boards of Education
- ✦ From desktop/CD to the WWW

## *NLII e-Portfolio Definition*

- ✦ a collection of authentic and diverse evidence,
- ✦ drawn from a larger archive representing what a person or organization has learned over time
- ✦ on which the person or organization has reflected, and
- ✦ designed for presentation to one or more audiences for a particular rhetorical purpose.

## *Electronic Portfolio Development*

**Publishing environments:**  
Optical media (CD-R, DVD-R) or WWW

**Authoring environments:**  
Common Tools or Customized Systems

## *Common Desktop Tools with hyperlinks*

- ✦ Office - Word, Excel, Powerpoint
- ✦ Hypermedia authoring tools - HyperStudio
- ✦ Inspiration or Kidspiration (mind mapping)
- ✦ Adobe Acrobat
- ✦ HTML Editors - Front Page, Dreamweaver, Netscape/Mozilla Composer
- ✦ Multimedia Authoring
  - ✦ Macromedia Director & Flash, Ezedia

## *My evaluation study of online software, services, or strategies*

- ✦ <http://electronicportfolios.org/myportfolio/versions.html>
- ✦ Under On-line Publications
- ✦ To date, recreating my new portfolio using **17 different software packages, services, or strategies**

## *Online Portfolio Tool Characteristics*

- ✦ Custom-designed Electronic Portfolio Systems- (A) system includes database to align artifacts to standards
- ✦ Free Server Space
- ✦ Open Source Software
- ✦ Commercial Software - primary market: Higher Ed, Teacher Ed, PK-12, Any
- ✦ Content Management System (CMS)
- ✦ Web Log Software or Journal - "Blogs"
- ✦ License agreement with - individual or institution
- ✦ Hosting - Hosted: resides on a centralized server; Server: software installed or data stored on own server space
- ✦ Cost & Storage space available

## *Conclusions*

- ✦ Too early to judge
- ✦ Scales applied to each system
  - "Trade-offs" - "Balance"
- ✦ Creativity
- ✦ Ease of Use
- ✦ Cost/Storage & ROI
- ✦ Features
- ✦ Flexibility/Customization Allowed
- ✦ Integration with Assessment System
- ✦ Transfer & technology skill development

*"They each exhibit trade-offs between the flexibility inherent in an HTML-based tool with the relative ease-of-use but lack of creativity in a system built on a data-base."*

## *Brainstorm at your table*

- ✦ **Alternative Futures**
  - ✦ Possible - 2005-2015
  - ✦ Probable
  - ✦ Preferable

## *Future - Possible*

- ✦ **2005~2015**
  - ✦ 1 credit course on eportfolios
  - ✦ Capstone requirement
  - ✦ Integrated with business/industry database
  - ✦ PDA/cell phone - ubiquitous
  - ✦ Personal information manager - biometrics & medical informations

## *Future - Possible*

- ✦ **2005~2015**
  - ✦ State/National implementation
    - ✦ "an e-portfolio for every citizen by 2010"
    - ✦ Workplace and life-wide/life-long development
  - ✦ Multiple publishing formats
    - ✦ WWW, CD, DVD, ???
  - ✦ Use of multimedia - moving beyond static text and images
  - ✦ Focus on reflective digital storytelling

## *Future - Probable*

✦ 2005~2015

- ✦ Cell phone -
- ✦ Broadband - increased use of multimedia
- ✦ Personal video creation

## *Future - Probable*

✦ 2005~2015

- ✦ More creative use of technology to support assessment of/for learning  
*(Who among us predicted the WWW in 1990?)*
- ✦ Increasing use of networks to support learning communities - both human and technological
- ✦ Technology becomes more ubiquitous... and invisible
- ✦ Cradle to Grave - responsibility of families

## *Future - Preferable*

✦ 2005~2015

- ✦ At the point of learning and reflectively
- ✦ Move away from high stakes to portfolios
- ✦ Lifelong tool
- ✦ Extremely easy and creative
- ✦ Open standards

## *Future - Preferable*

May all your  
**electronic portfolios**  
become dynamic  
**celebrations and**  
**stories of deep**  
**learning**  
across the lifespan.

*Presentation online and  
some stories are on my CD*

- ✦ <http://electronicportfolios.org> and click On-Line Publications  
*"Electronic Portfolios as Digital Stories of Deep Learning"*
- ✦ <http://electronicportfolios.org> and click Recent Conference Presentations
- ✦ My CD has examples of digital stories as well as hands-on activities to learn the process on Mac and Windows XP

*Dr. Helen Barrett*

- ✦ Co-Director ISTE's Community & Assessment in PT3 Catalyst Grant
- ✦ [hbarrett@iste.org](mailto:hbarrett@iste.org)
- ✦ <http://electronicportfolios.org/>