

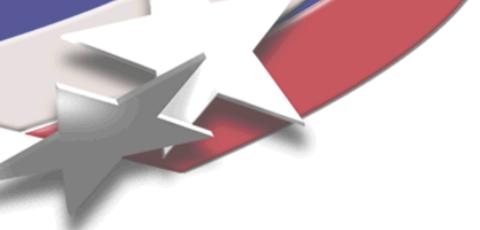
# EReaders, Our Readers, and Electronic Collections

## Where Do We Go from Here?

**Electronic Resources & Libraries**

**February 28 – March 2, 2011**

**Danielle Pollock**  
**Web Content Manager, Sandia Technical Library**



# Summary

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- Brief overview of the Sandia eReader pilot
- EReaders and our readers
- EReaders and our collections
- Where do we go from here?
- Questions



# The Lab

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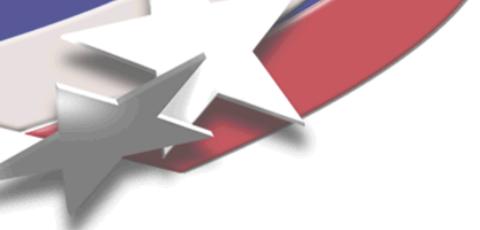


# The Library

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# The Library



Technical Library

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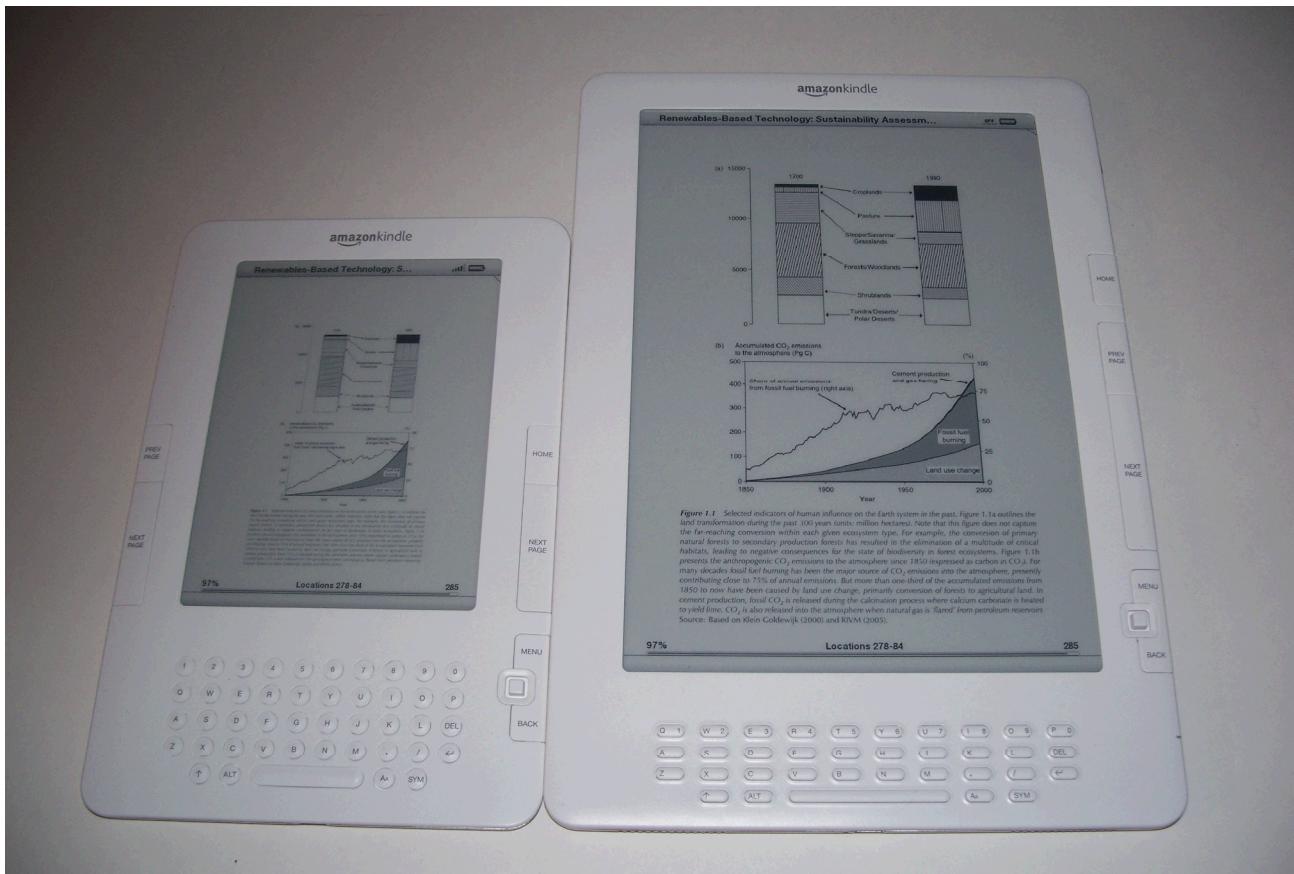


# The EReader Pilot

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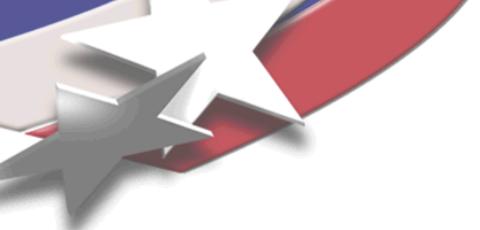


# Amazon Kindle 2 & Kindle DX



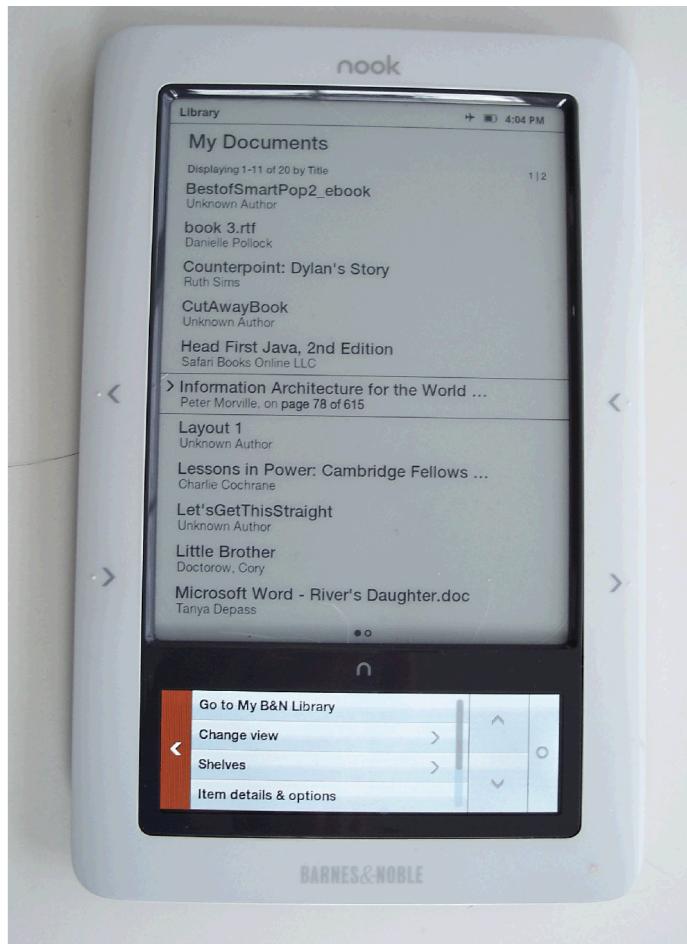
**Figure 1.1** Selected indicators of human influence on the Earth system in the past. Figure 1.1a outlines the last few centuries of major changes in the Earth system, showing the conversion of natural land to farmland and the far-reaching conversion within each given ecosystem type. For example, the conversion of primary natural forests to secondary production forests has resulted in the elimination of a multitude of crevices habitats. Figure 1.1b presents the anthropogenic CO<sub>2</sub> emissions to the atmosphere since 1750 (expressed as carbon in CO<sub>2</sub>). For many decades fossil fuel burning has been the major source of CO<sub>2</sub> emissions into the atmosphere, presently comprising about 80% of the total. The remaining 20% is emitted from cement production and gas flaring. Emissions from 1850 to now have been caused by land use change, primarily conversion of forests to agricultural land. In cement production, fossil CO<sub>2</sub> is released during the calcination process where calcium carbonate is heated to produce calcium oxide. Natural gas is 'flared' from petroleum reservoirs.

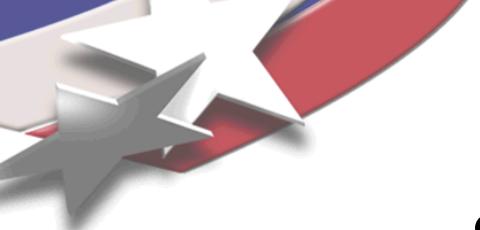
Source: Based on Klein Goldewijk (2000) and RIVM (2005).



# Barnes & Noble Nook

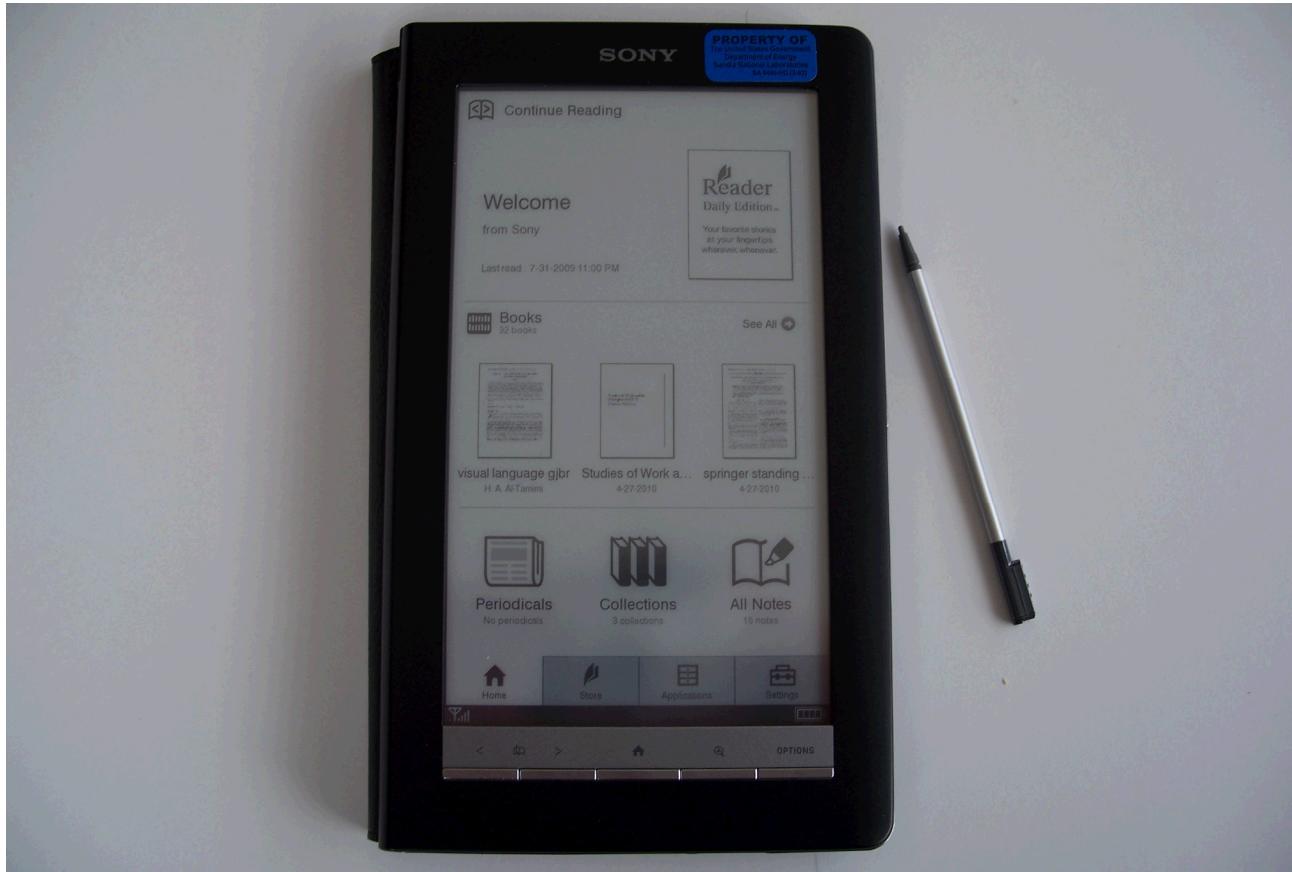
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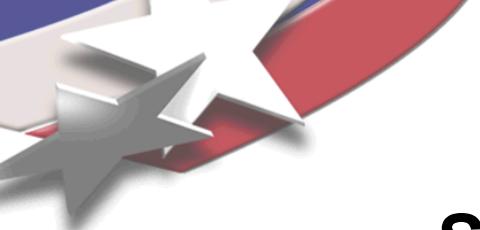




# Sony Daily Edition: PRS900

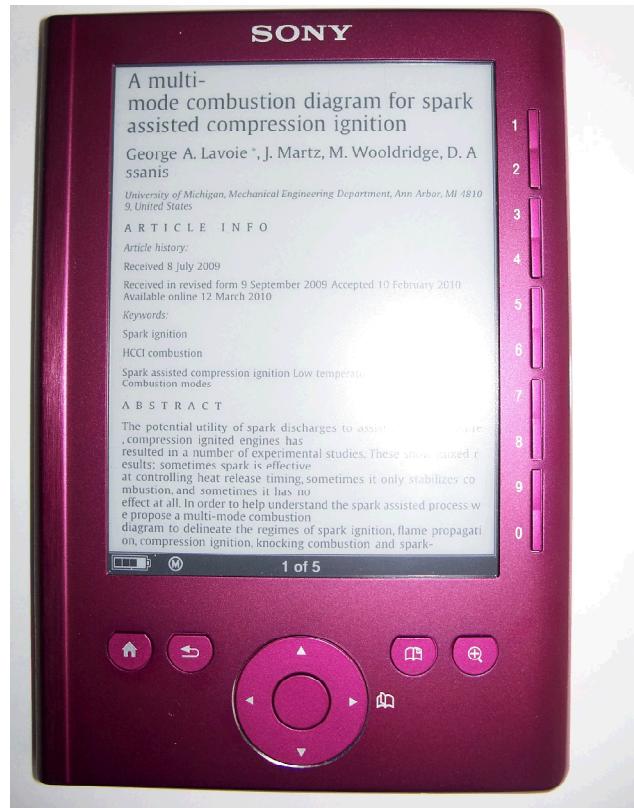
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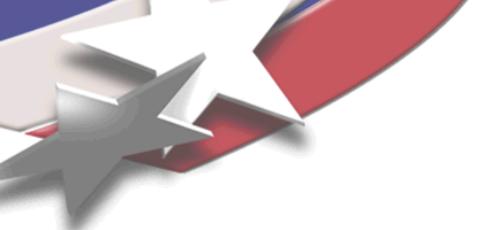




# Sony Pocket Edition: PRS300

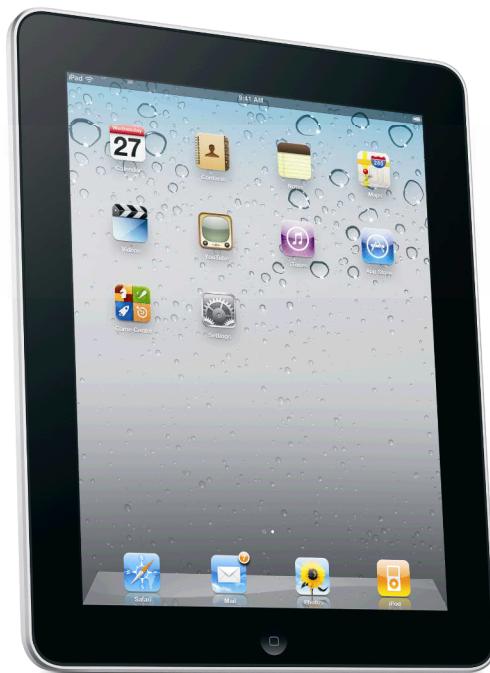
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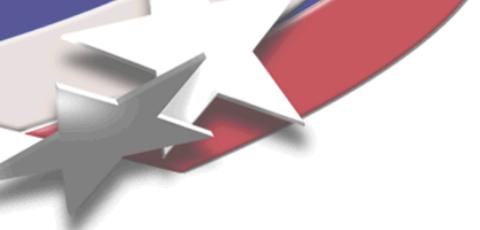




# Enter the iPad

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# EReaders and Our Readers



## EReaders & Our Readers

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**Over 40 library users spent at least an hour with at least one device...**



## EReaders & Our Readers

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- **What are they reading?**
- **Where are they reading?**
- **How are they reading?**
- **What features are important to them?**

# EReaders & Our Readers: What Are They Reading?

## Our readers: Emphasis on scientific and technical books, articles and reports.

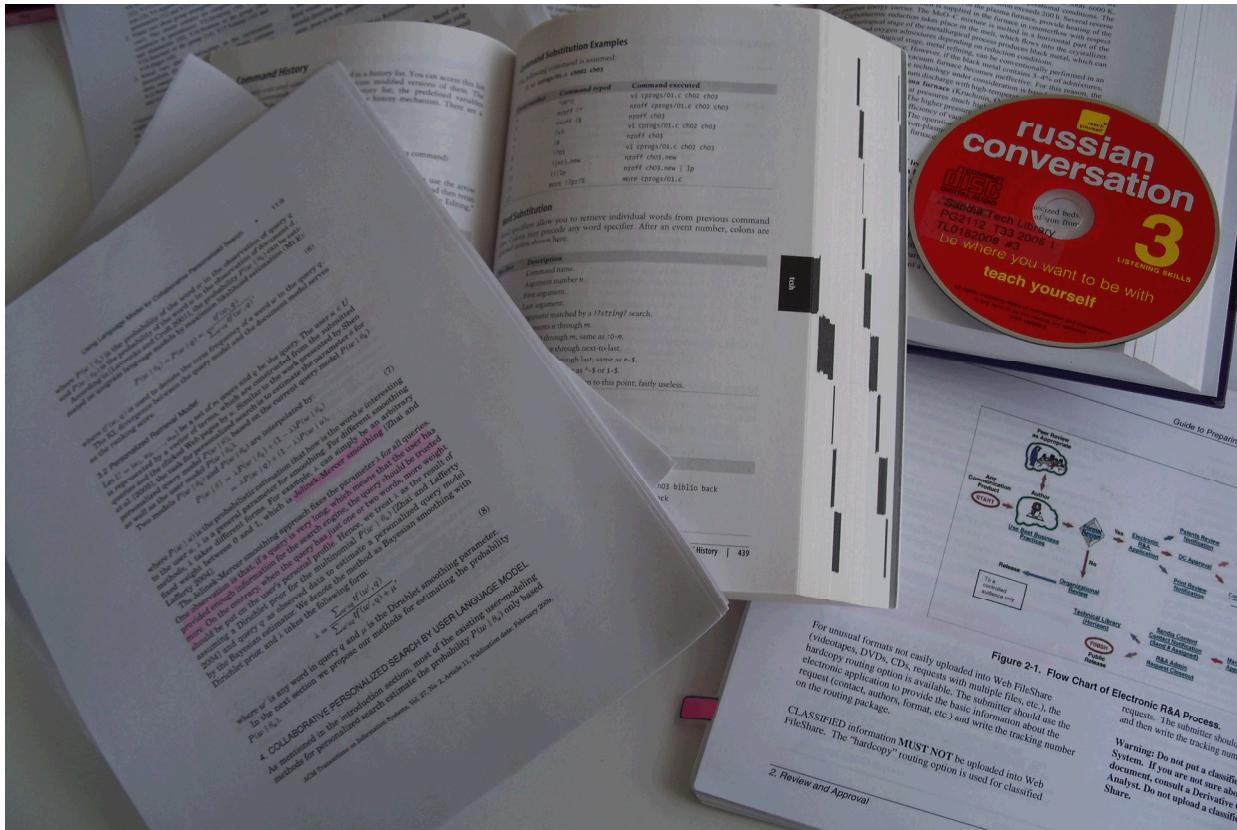
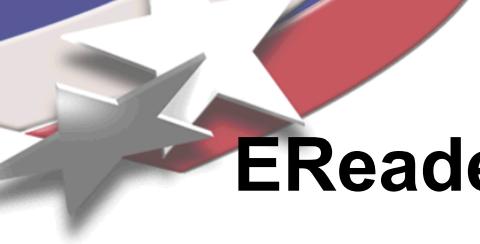


Figure 2-1. Flow Chart of Electronic R&A Process

For unusual formats not easily uploaded into Web FileShare, hardcopy mailing option is available. The submitter should use the electronic application to provide the basic information about the request (contact, authors, format, etc.) and write the tracking number on the routing package.

Warning: Do not put a classified request. The submitter should fill in the basic information about the request (contact, authors, format, etc.) and write the tracking number on the routing package.

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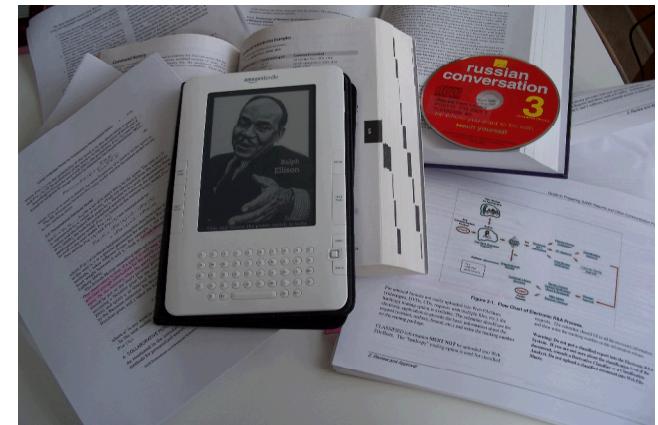


# EReaders & Our Readers: What Are They Reading?

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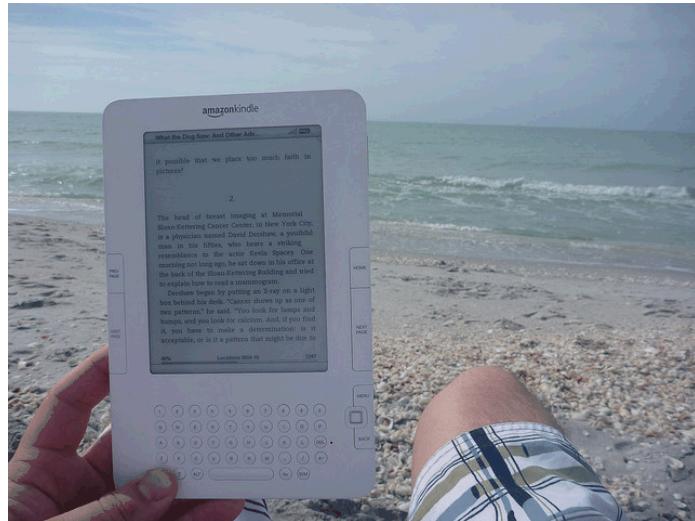
**Ideal eReader would be able to handle:**

- B&W and color illustrations, photos, charts and graphs
- In-text equations, mathematical symbols & code examples
- Docs in which original text itself is in **color**
- Docs with original text in two or more columns
- Video, audio, multimedia





# EReaders & Our Readers: Where Are They Reading?



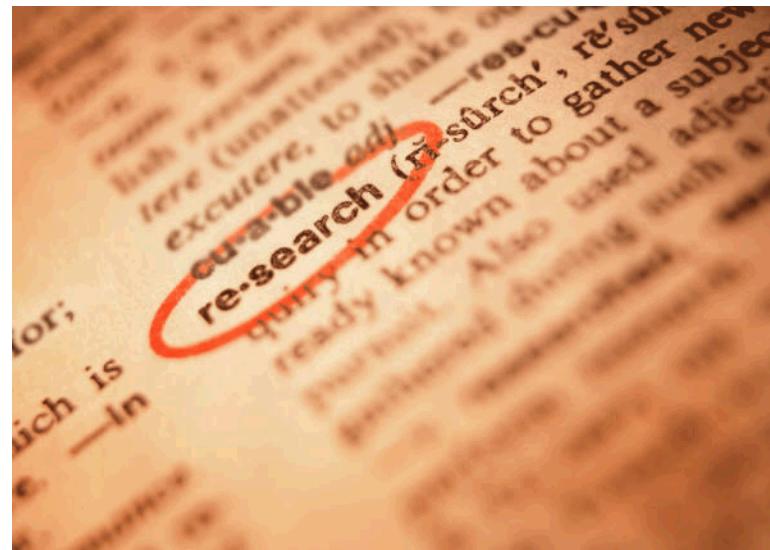
Top right photo used under Creative Commons from Flickr user [bradjward](#).

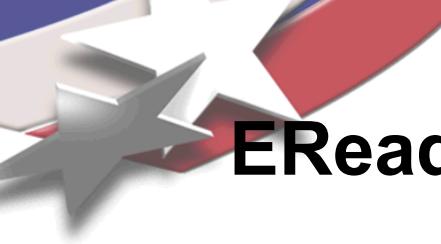


# EReaders & Our Readers: How Are They Reading?

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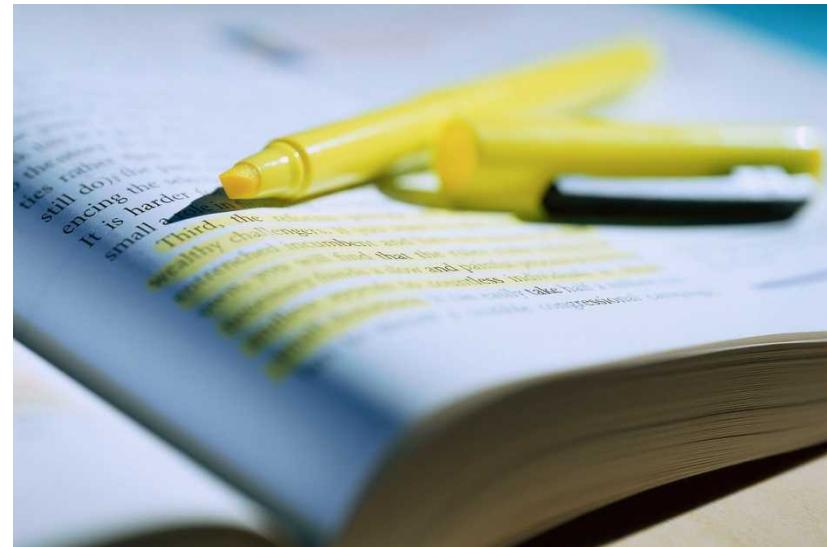
## Research-oriented reading



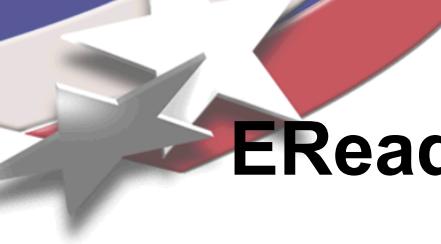


# EReaders & Our Readers: How Are They Reading?

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**Ability to highlight and make notes is very important.**



# EReaders & Our Readers: How Are They Reading?

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Some of our users have a preferred eReader already...



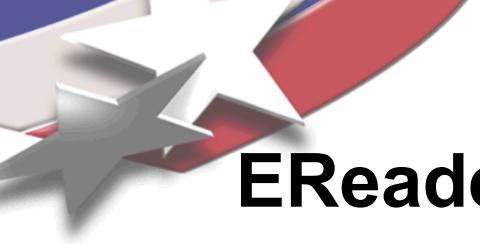


# EReaders & Our Readers: How Are They Reading?

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...for many, it's a smart phone.

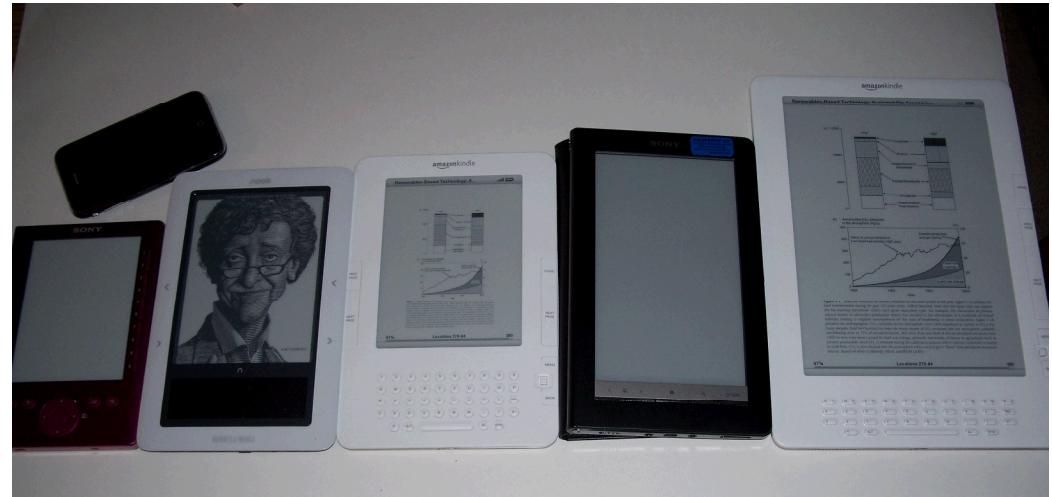


# EReaders & Our Readers: What Features Are Important?

---

**Many users mentioned:**

- **Text-to-Speech**
- **Enlargeable Print**
- **Easy-to-Use Controls**
- **Light Weight**
- **Fast Speed**

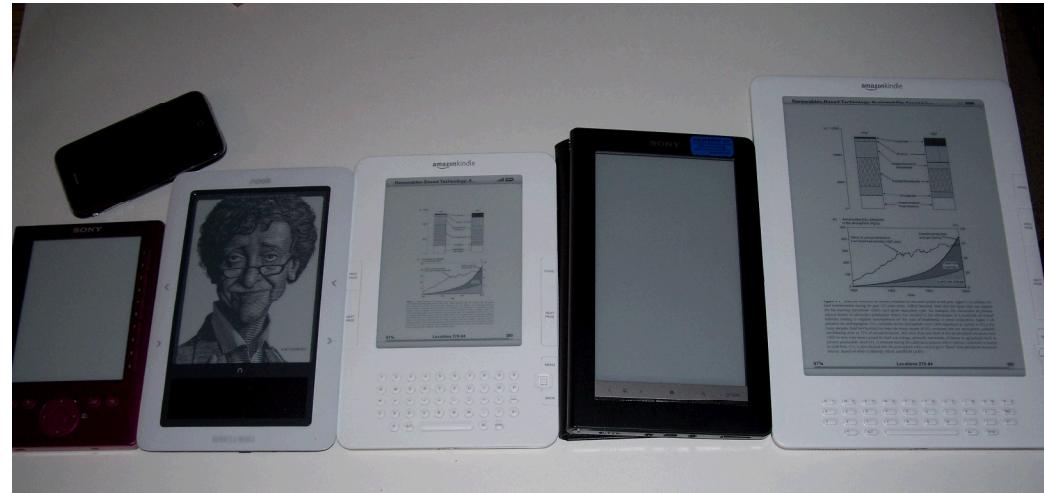




# EReaders & Our Readers: What Features Are Important?

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- **Size**
  - Ideal size tended to vary by user
  - Wanted compact & light enough to carry, yet with a screen big enough to be easy to read



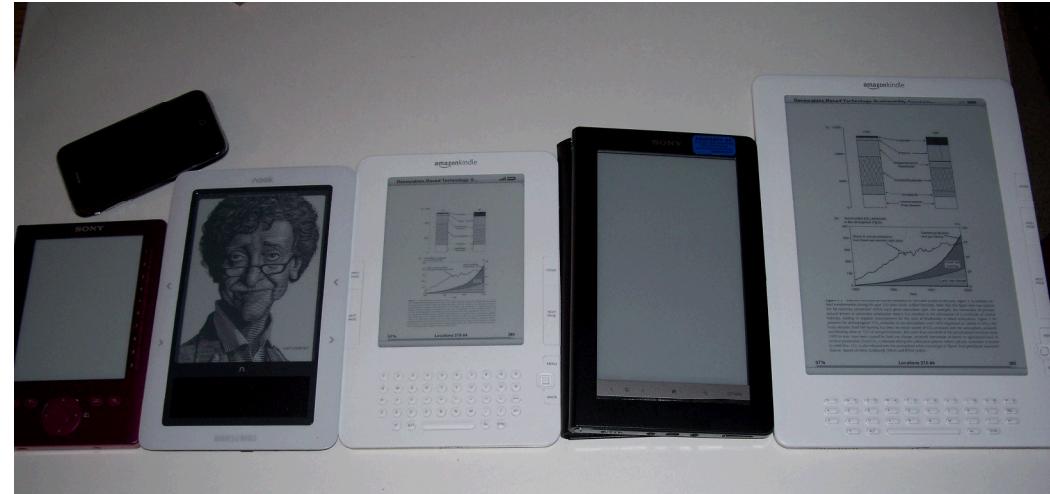


# EReaders & Our Readers: What Features Are Important?

---

## Features very important to some users:

- Color display
- Video
- Built-in Dictionary
- Web Browser
- Auto-orientation
- Touch screen

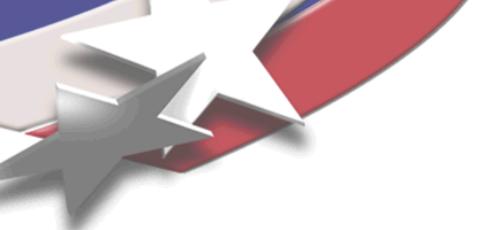




## EReaders & Our Readers

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**...in the end, there was no one eReader that worked for everyone.**



# EReaders & Our Readers

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Average Sandia User Ratings for EReaders						
	Kindle 2	Kindle DX	B&N nook	Sony PRS300	Sony PRS900	Apple iPad
I found this eReader easy to use. (1 = Not at all easy, 10 = Extremely easy)	6.52	7.04	5.06	6.6	6.53	8.41
If possible, I would use this eReader for my work at Sandia. (1 = Not at all, 10 = Definitely)	6	6.56	4.25	4.37	5.74	7.69
I would use this eReader to read journal articles, news, and other short works in my area of interest. (1 = Not at all, 10 = Definitely)	6	6.81	4.56	4.5	5.95	7.97
I would use this eReader to read books and longer works. (1 = Not at all, 10 = Definitely)	6.05	6.65	4.44	4.1	5.63	7.68



## EReaders & Our Readers

iPad was ranked highest overall. Color display and multiple apps to handle text and more were a plus for users...



...but screen glare and heavy weight relative to dedicated eReaders were an issue.



## EReaders & Our Readers

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Of the dedicated eReaders, Kindle DX was ranked highest.



A major factor was that DX's larger size made PDF documents easier to read in native format.



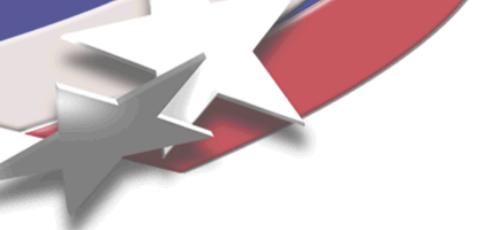
# EReaders and Our Electronic Collections



## Our Electronic Collections

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- Around 8,000 scientific and technical journals
- Over 40,000 electronic books
- Over 65,000 internal and external reports
- More than 50 scholarly databases



# Our Electronic Collections

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...And almost all of it in one format:



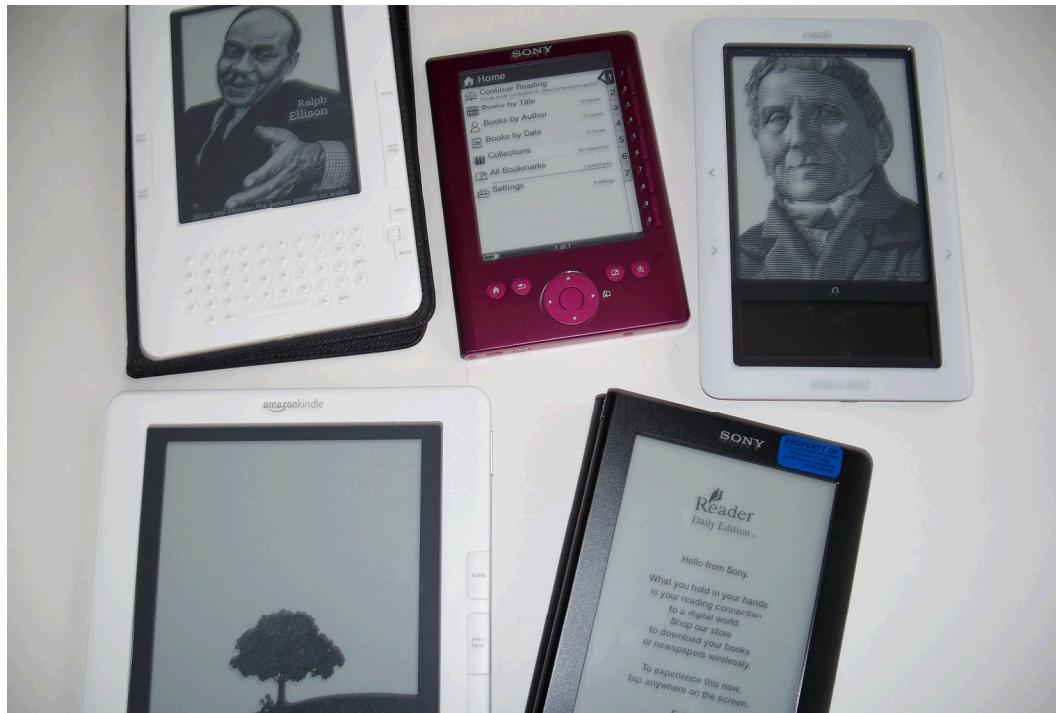
PDF



# Our Collections

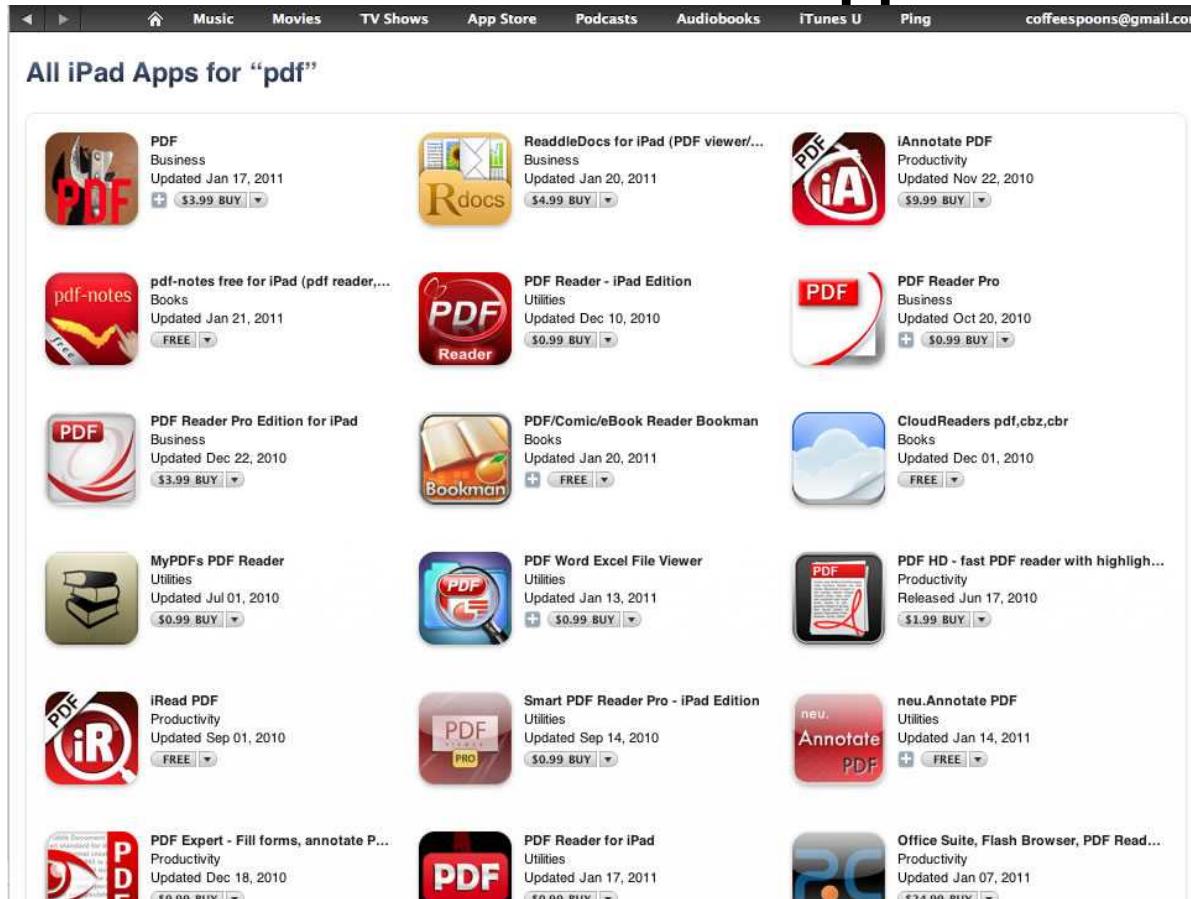
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All of these eReaders support PDF documents.



# Our Collections

iPad has more than one app for that.



The screenshot shows a grid of 15 iPad apps related to PDFs. The apps are arranged in five rows and three columns. Each app entry includes the app icon, name, category, last update, and price (if applicable). The apps listed are:

- PDF (Business, Updated Jan 17, 2011, \$3.99 BUY)
- ReadableDocs for iPad (PDF viewer/..., Business, Updated Jan 20, 2011, \$4.99 BUY)
- iAnnotate PDF (Productivity, Updated Nov 22, 2010, \$9.99 BUY)
- pdf-notes free for iPad (pdf reader, Books, Updated Jan 21, 2011, FREE)
- PDF Reader - iPad Edition (Utilities, Updated Dec 10, 2010, \$0.99 BUY)
- PDF Reader Pro (Business, Updated Oct 20, 2010, \$0.99 BUY)
- PDF Reader Pro Edition for iPad (Business, Updated Dec 22, 2010, \$3.99 BUY)
- PDF/Comic/eBook Reader Bookman (Books, Updated Jan 20, 2011, FREE)
- CloudReaders pdf,cbz,cbr (Books, Updated Dec 01, 2010, FREE)
- MyPDFs PDF Reader (Utilities, Updated Jul 01, 2010, \$0.99 BUY)
- PDF Word Excel File Viewer (Utilities, Updated Jan 13, 2011, \$0.99 BUY)
- PDF HD - fast PDF reader with highlight... (Productivity, Released Jun 17, 2010, \$1.99 BUY)
- iRead PDF (Productivity, Updated Sep 01, 2010, FREE)
- Smart PDF Reader Pro - iPad Edition (Utilities, Updated Sep 14, 2010, \$0.99 BUY)
- neu.Annotate PDF (Utilities, Updated Jan 14, 2011, FREE)
- PDF Expert - Fill forms, annotate P... (Productivity, Updated Dec 18, 2010, \$0.99 BUY)
- PDF Reader for iPad (Utilities, Updated Jan 17, 2011, \$0.99 BUY)
- Office Suite, Flash Browser, PDF Read... (Productivity, Updated Jan 07, 2011, \$24.99 BUY)



## Our Collections

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**But there were some common problems.**



# Our Collections

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## **Some things to evaluate:**

- **Will all the eReader's features work with your documents?**
- **Can the text be enlarged?**
- **Text reflow—Is it available, and what do documents actually look like on the eReader's screen?**

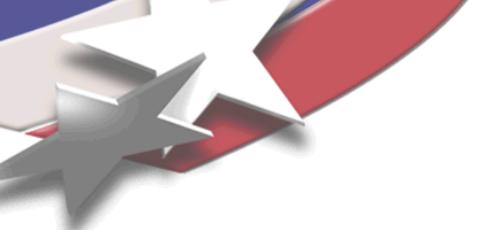


# Our Collections

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- **Can the text be enlarged**
- **? Text reflow—Is it available, and what do documents actually look like on the eReader's screen?**



## Our Collections

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# DRM?

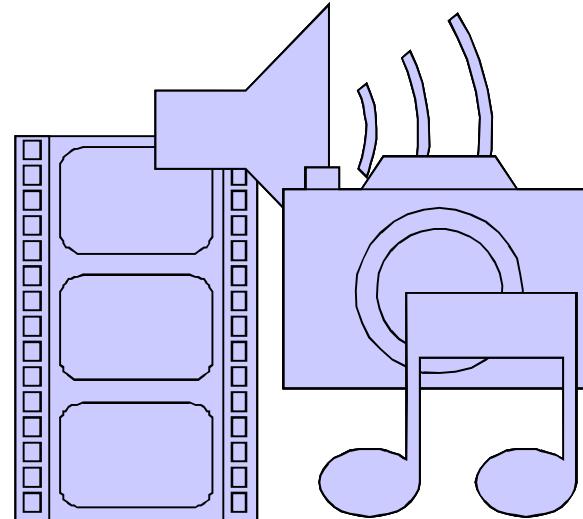


# Our Collections

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## Non-text content:

- Audio books?
- Podcasts?
- Music?
- Video?
- Images?
- Multimedia?





# Okay...So Where Do We Go from Here?



# Where To Go from Here with EReaders

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- EReader lending
- EReader support
- Future collection development considerations



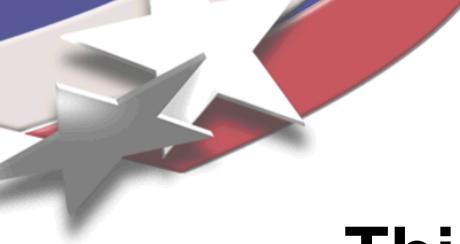
# Should You Lend EReaders?

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## Inevitable Cost Considerations

- Buying
- Replacing, if one is lost or damaged
- Cost of content
- Upgrading





# **Things Are Changing Fast: This Presentation Is Already Dated**

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- Between typing the 1<sup>st</sup> and last sentence of final project report: Kobo and Nook Wi-Fi.
- Between finished and published report: Kindle 3.
- Between submitting presentation abstract and now: Nook Color and Google Bookstore.
- And thousands of new iPad apps in the meantime.



# Should You Lend EReaders?

---

## Inevitable Cost Considerations (Staff Time)

- Downloading content
- Deleting content
- Troubleshooting
- De-registering & re-registering device with parent store





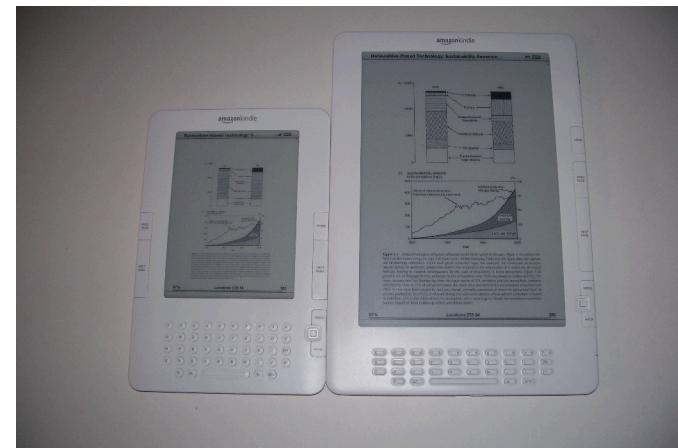
# Legal Considerations

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## From Amazon's Kindle License Agreement and Terms of Use:

**“Unless specifically indicated otherwise, you may not sell, rent, lease, distribute, broadcast, sublicense, or otherwise assign any rights to the Digital Content or any portion of it to any third party...”**

--*Amazon Kindle: License Agreement and Terms of Use*. July 28, 2010  
<http://www.amazon.com/gp/help/customer/display.html?nodeId=200505590> (accessed Jan. 24, 2011).





# Providing Support for eReaders

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**Purchase of library-owned units for staff training and troubleshooting?**



# Support for eReaders

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**Our challenge:**



**No eReaders or personally-owned electronic devices allowed in the library.**



# Support for eReaders

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**Our challenge:**



**Where and how to offer support?**

# Support for eReaders



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**MyLibraryShelf Beta**

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# Collection Development Considerations

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**Know what decisions might limit usability for users with eReaders.**

**Some content cannot be used with some devices.**

**Examples:**

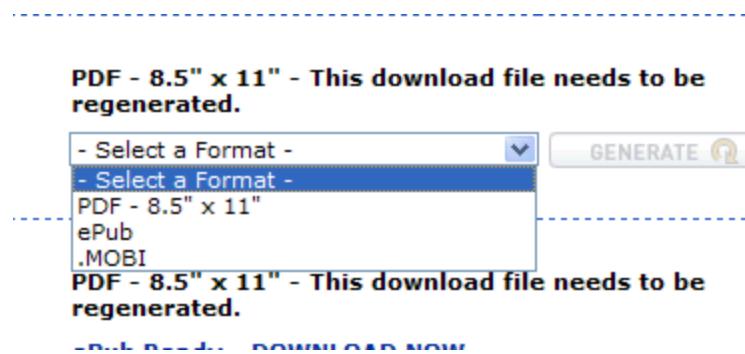
- Adobe Digital Editions: Won’t work with Kindles.**
- Flash: Won’t work with iPad/iPhone.**



# Collection Development Considerations

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## Is content available in multiple formats?



PDF - 8.5" x 11" - This download file needs to be regenerated.

- Select a Format -

- Select a Format -
- PDF - 8.5" x 11"
- ePub
- .MOBI

GENERATE 

PDF - 8.5" x 11" - This download file needs to be regenerated.

[GO BACK](#) [DOWNLOAD NOW](#)



# Collection Development Considerations

---

- Support for mobile readers?
- App?



Annual Reviews Mobile  
Open iTunes to buy and download apps

**Descri**  
The Annu  
into a pov  
institution

**Atypon S**

**What's**  
Now a uni

New featu

[View In iTunes](#)





# Questions?

Danielle Pollock  
[depollo@sandia.gov](mailto:depollo@sandia.gov)