Data Sharing: Different Needs, Different Solutions

(http://www.esp.org/rjr/Data-Sharing-RJR.ppt)

Robert J. Robbins rrobbins@fhcrc.org (206) 667 4778

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In some communities, data sharing is both needed and expected.

In many labs, local data management has become the rate-limiting step.

Topics

- Data Sharing
- Data Exchange Standards
- Industry Trends: Information Appliances
- Industry Trends: Information Services

Data Sharing

Driving Parameters

Data Sharing

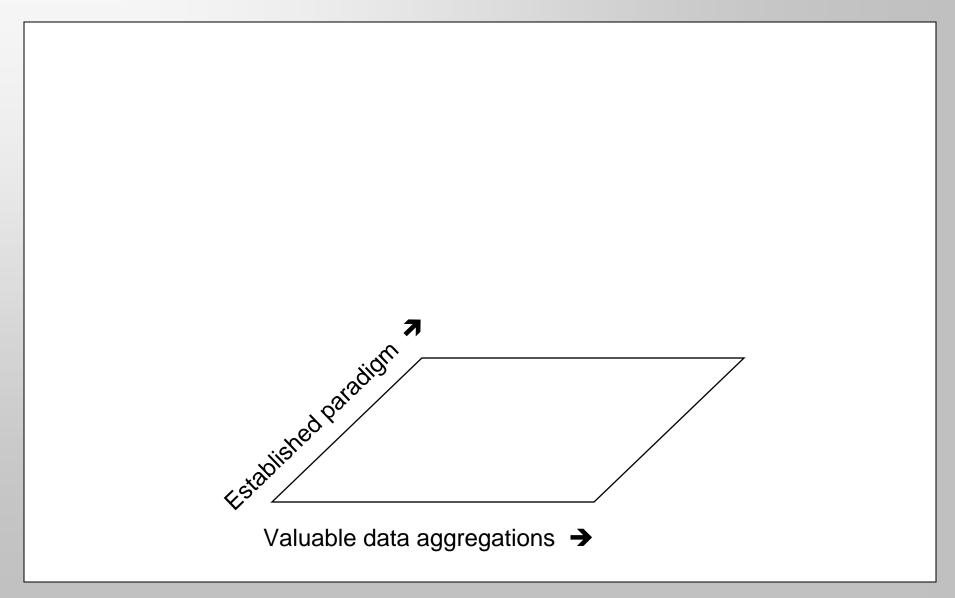
Not all data-management or data-sharing or data-exchange problems are created equal. Not all data-management or data-sharing or data-exchange problems are created equal.

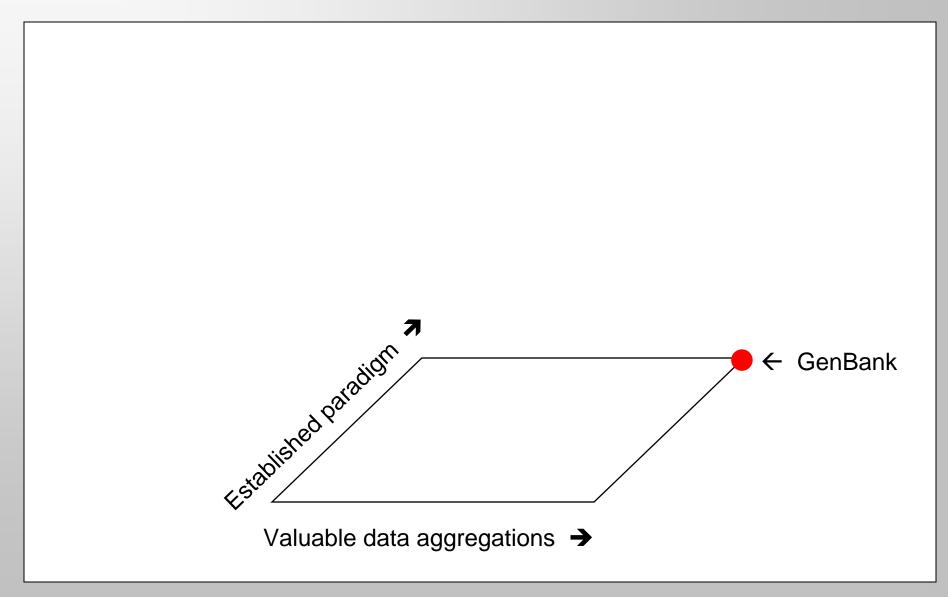
Different needs call out for different solutions.

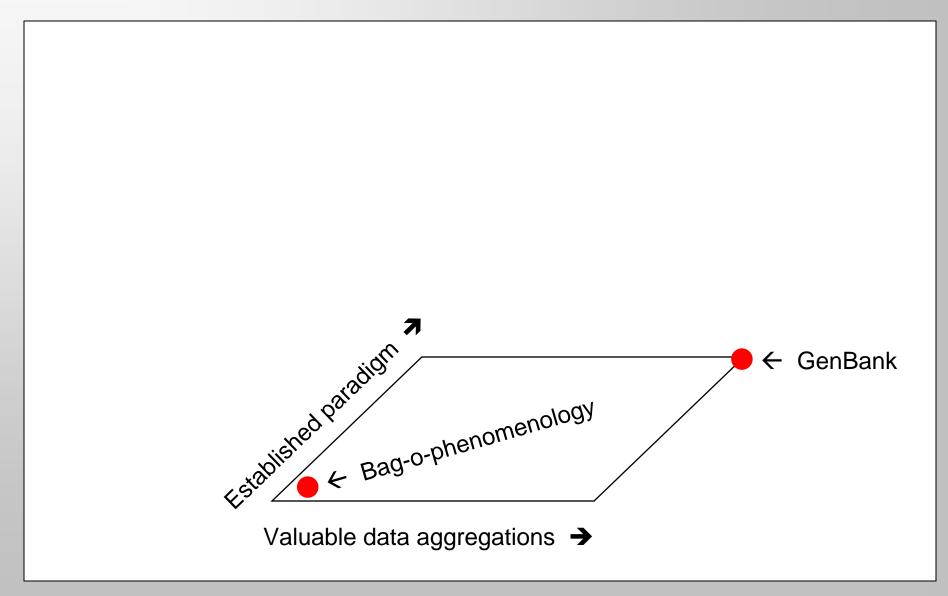
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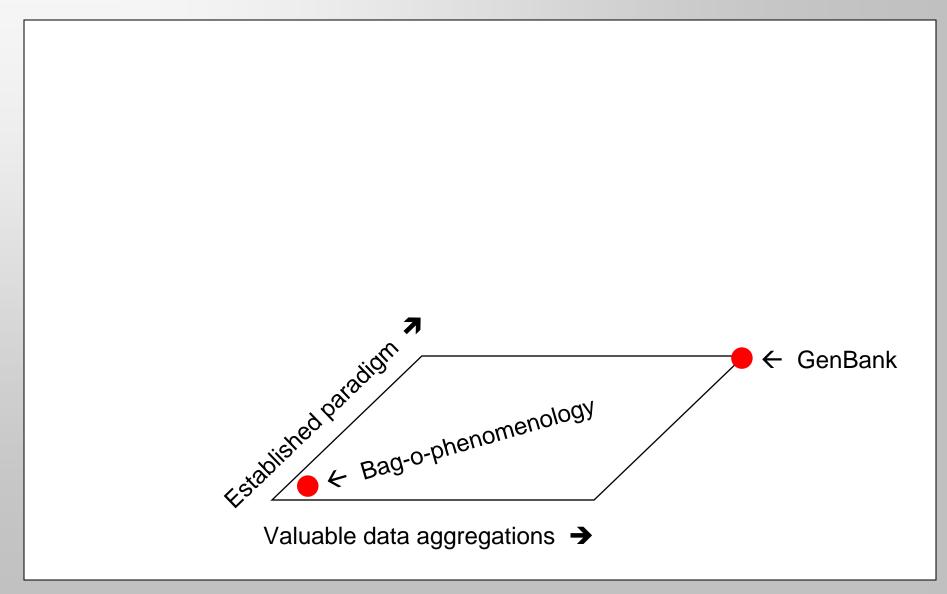
Some of the different needs trace directly to different attributes of the data themselves.

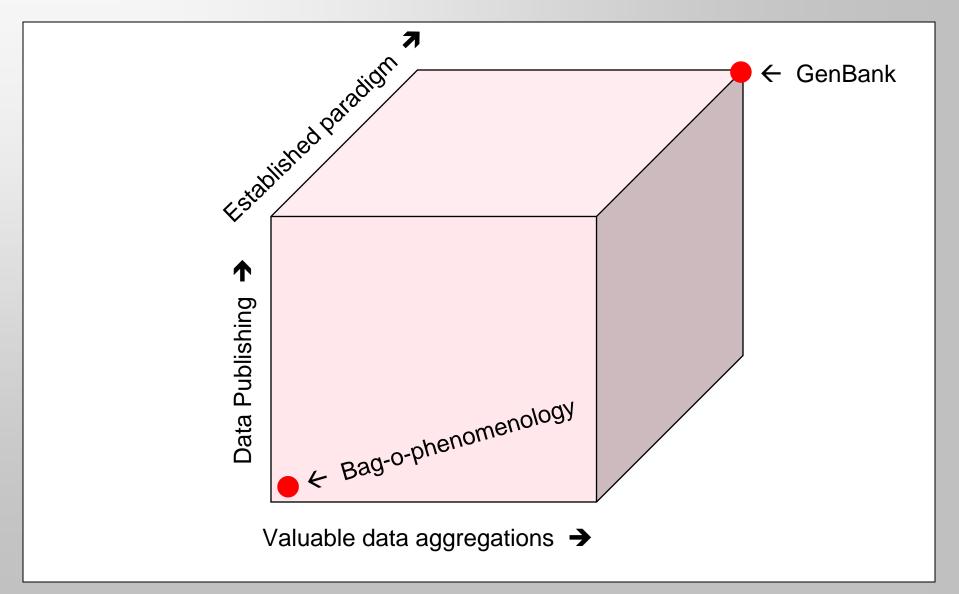


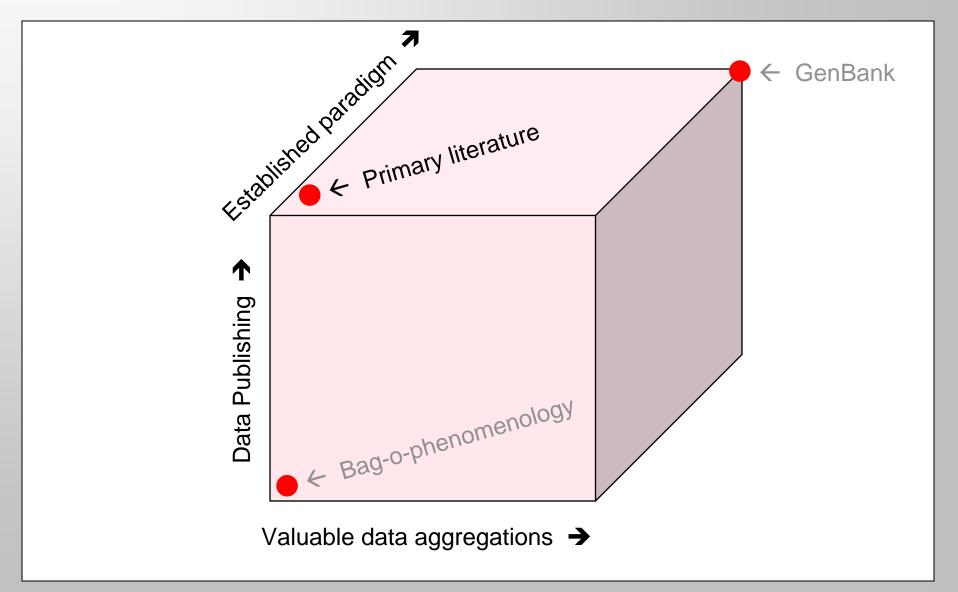


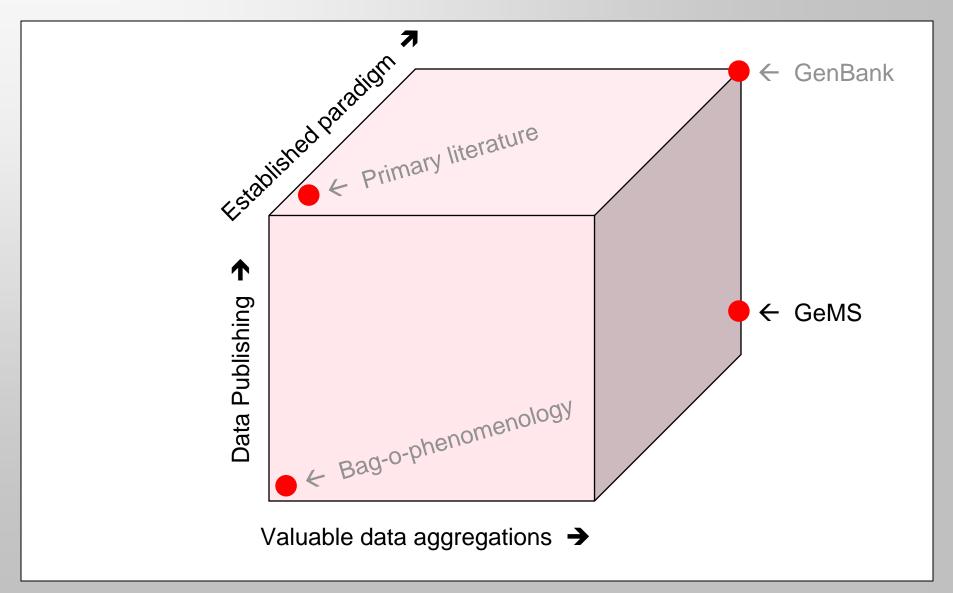


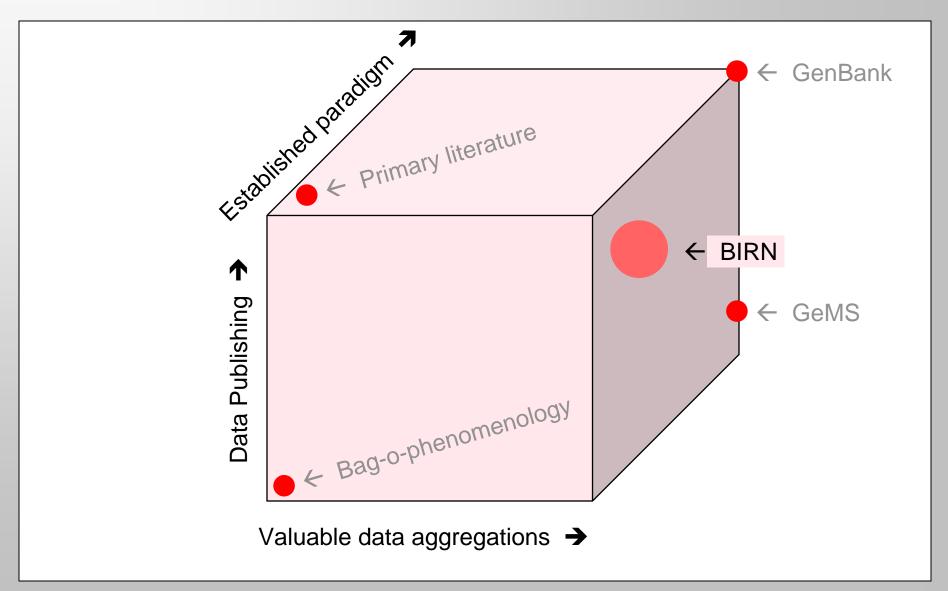






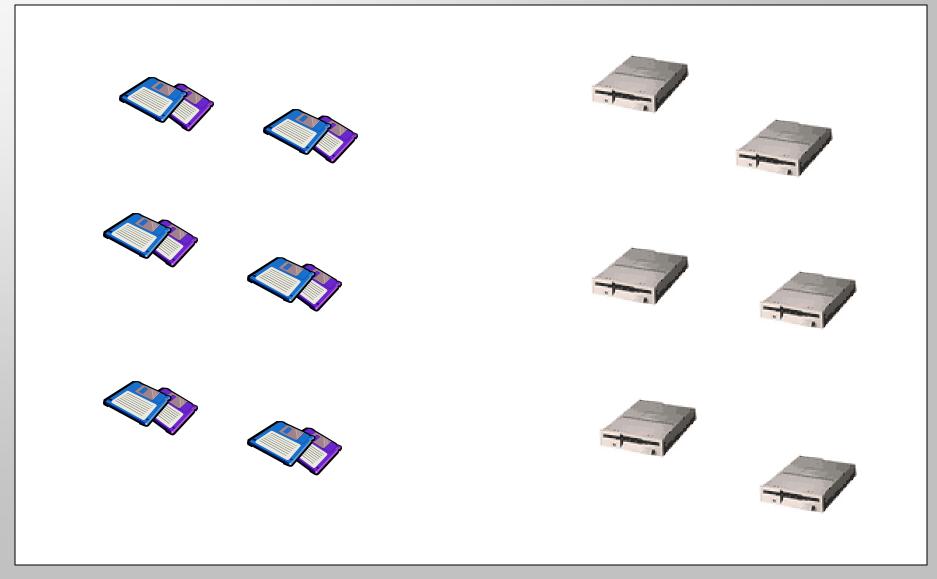


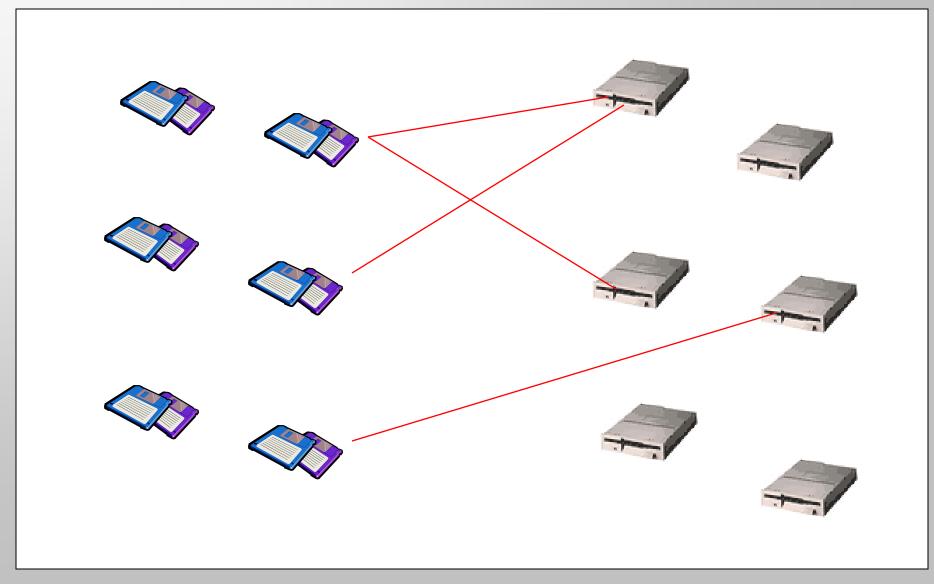


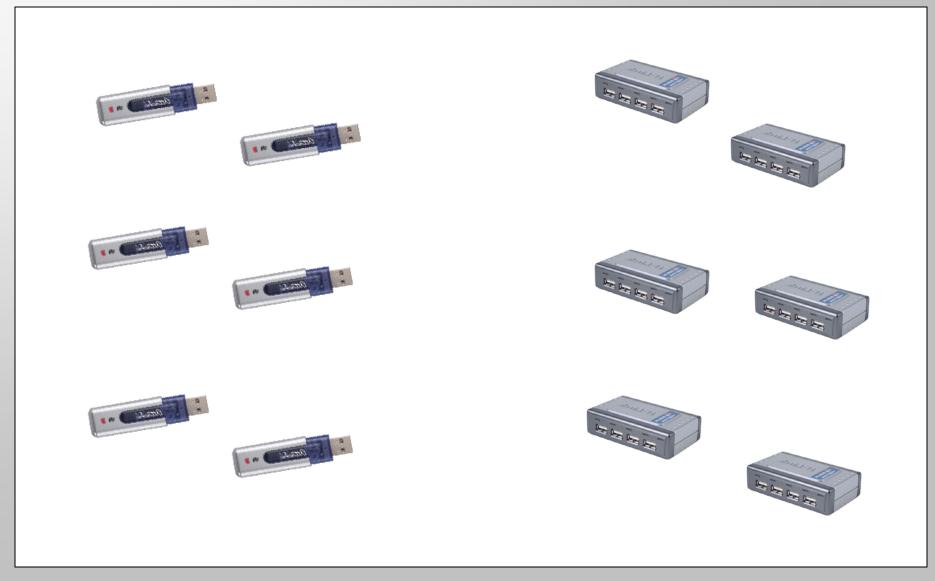


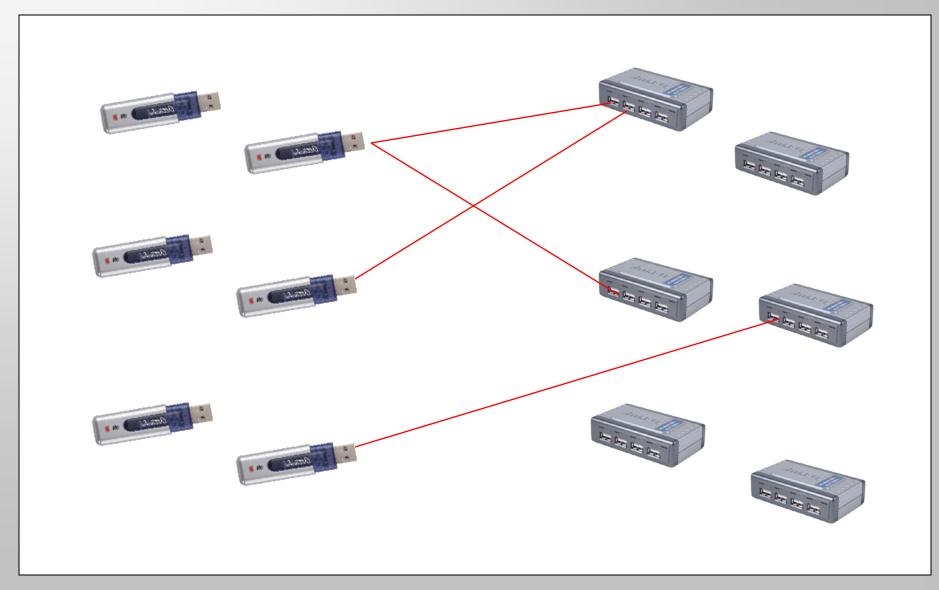
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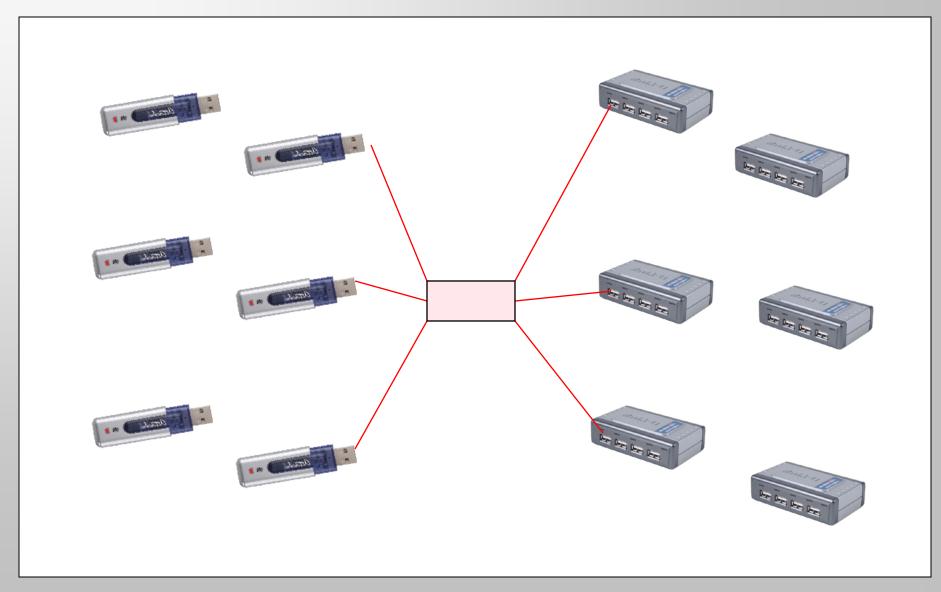
Data Exchange

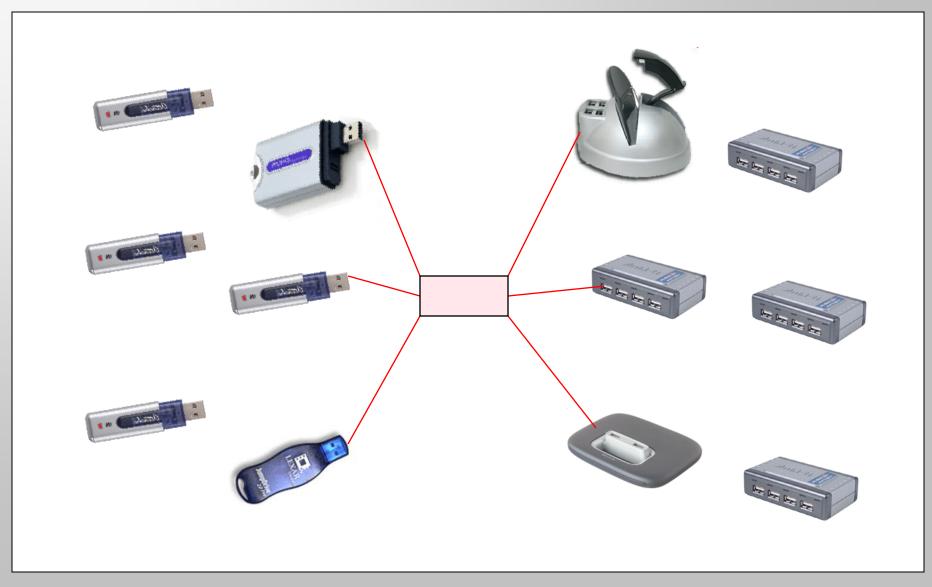


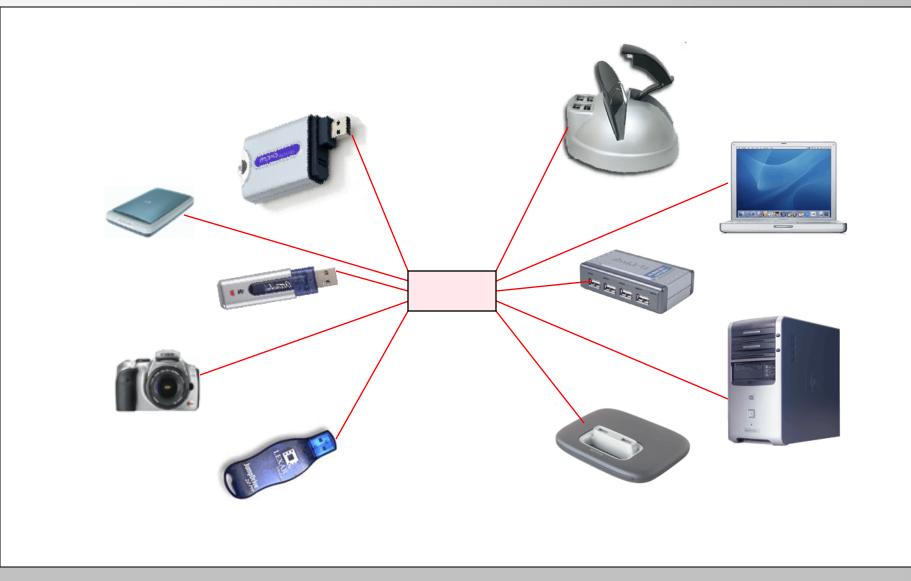






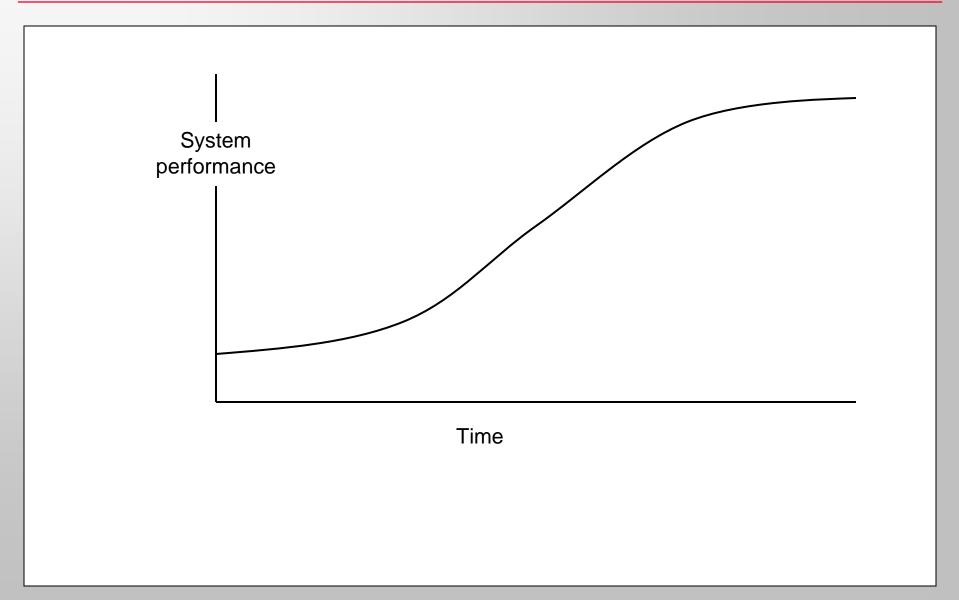


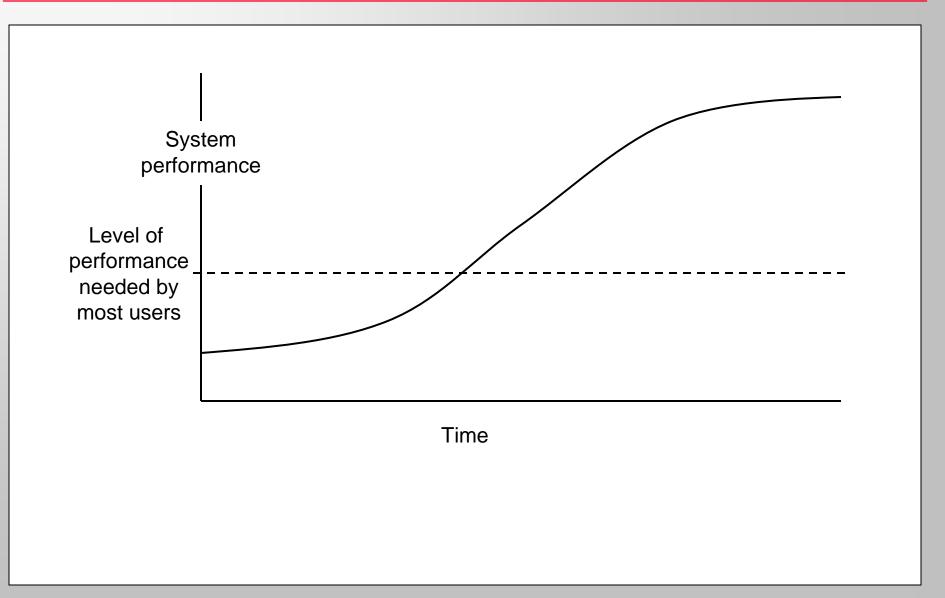


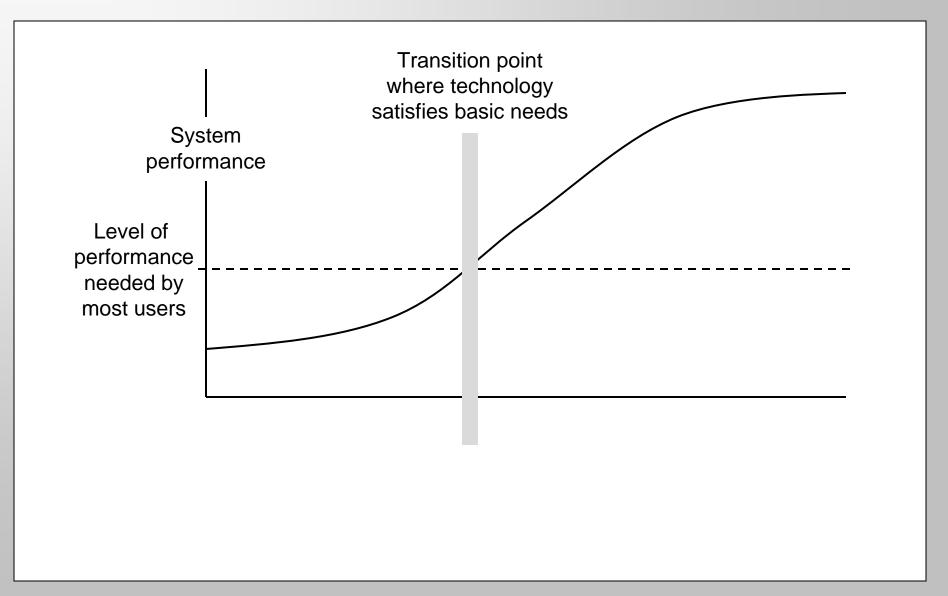


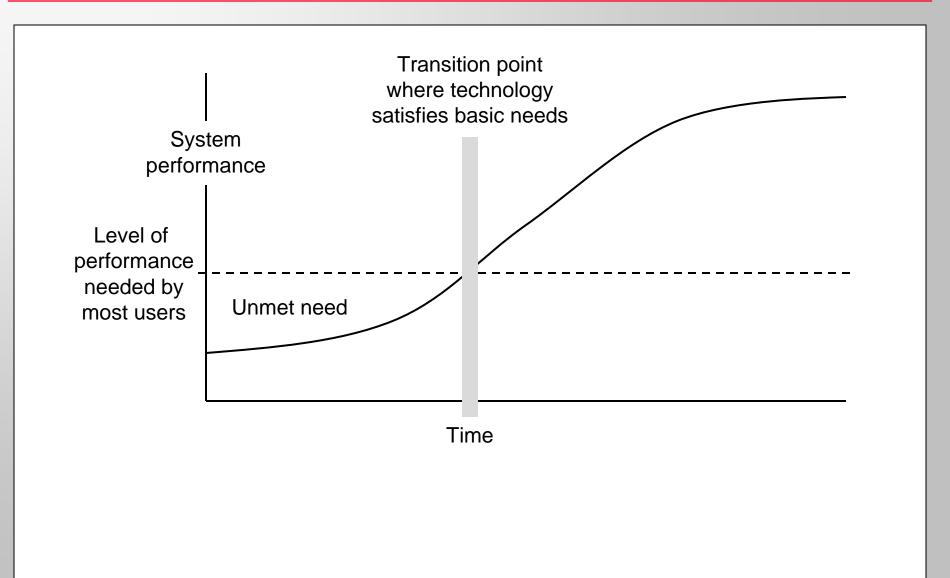


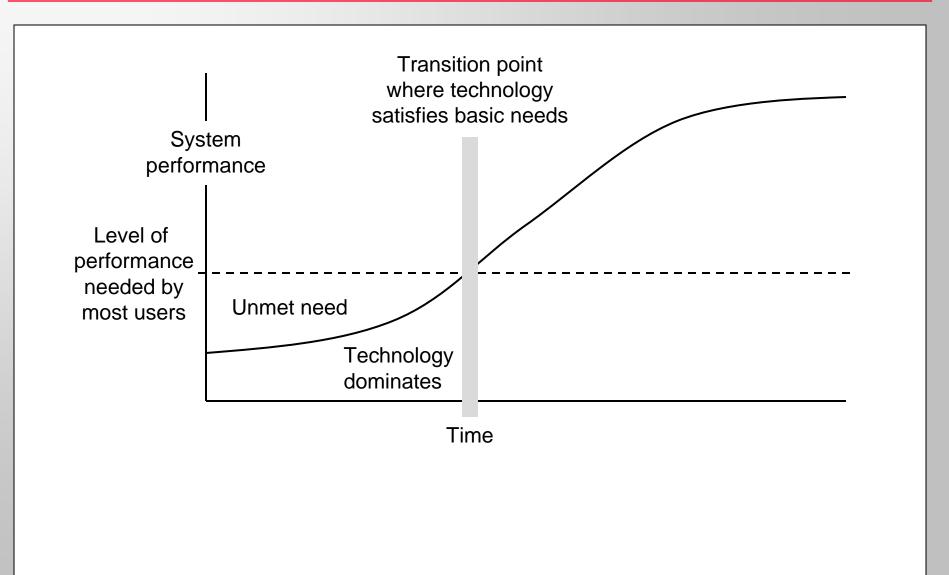
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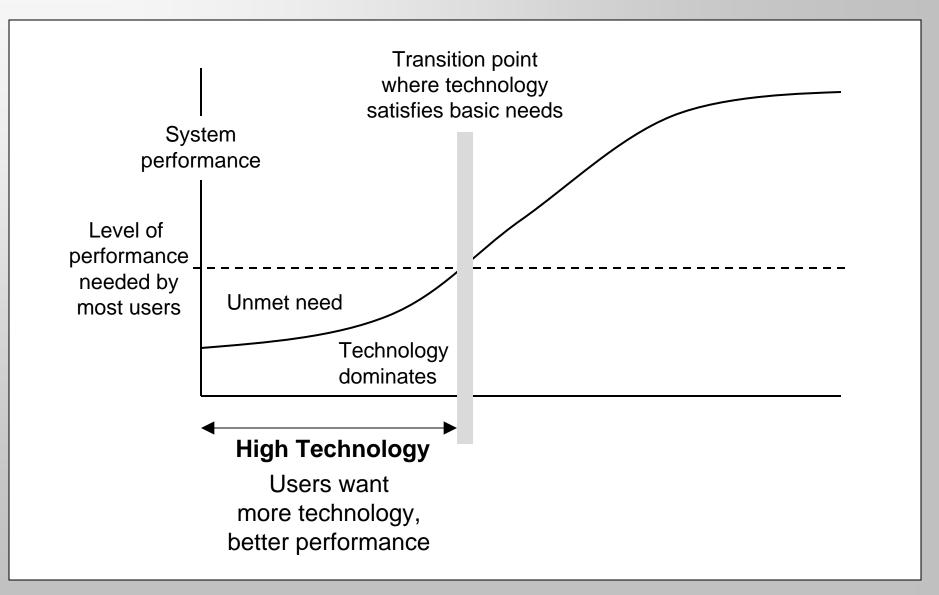


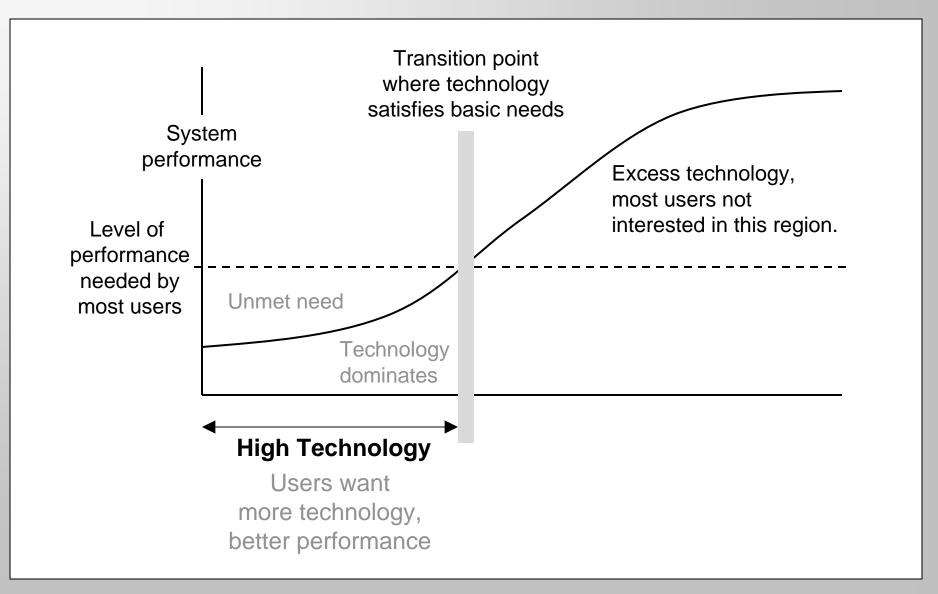




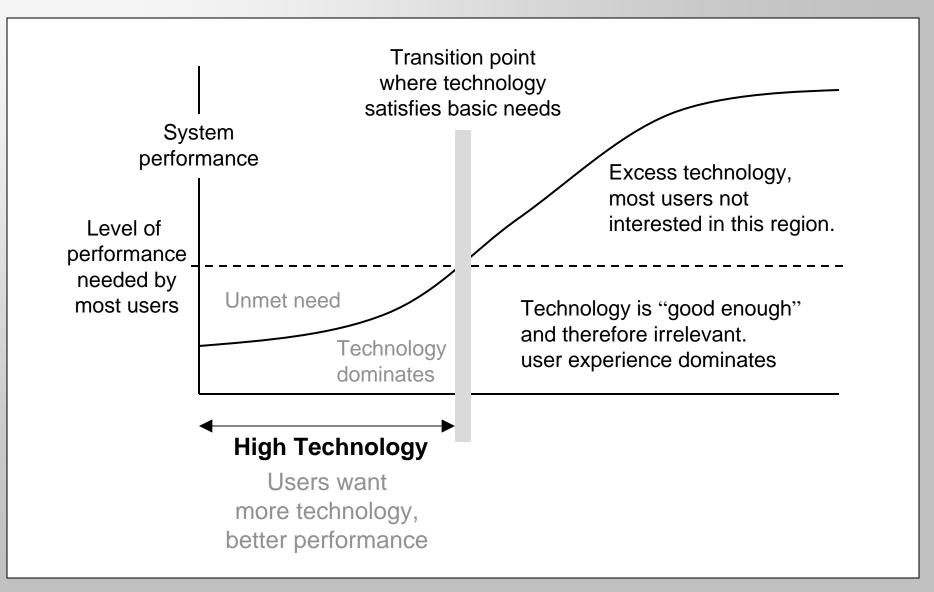




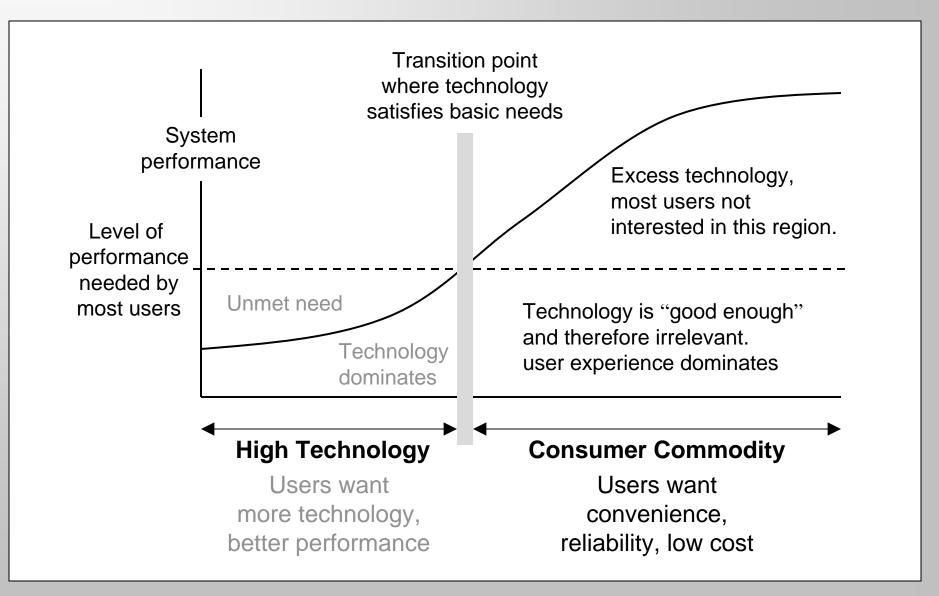




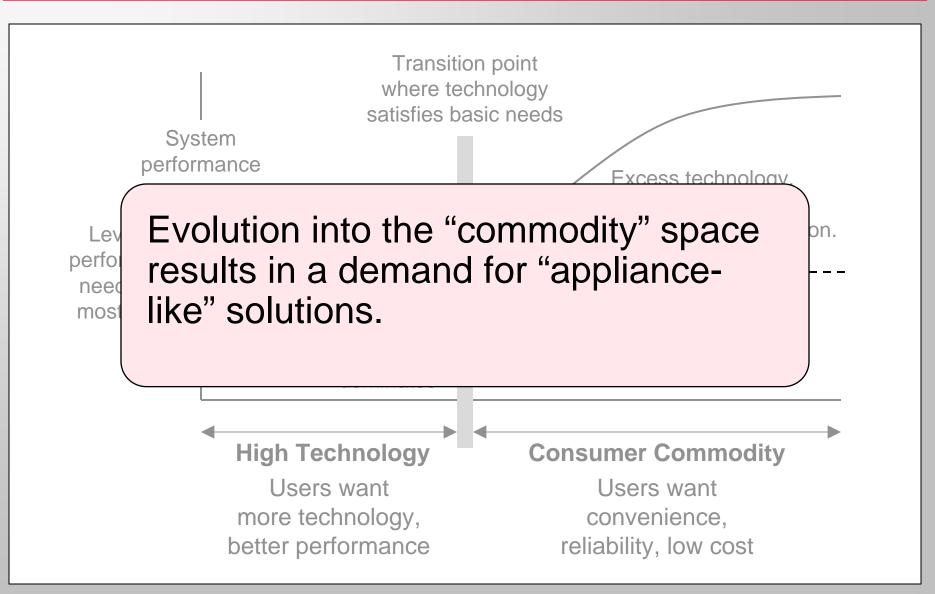
Industry Trends



Industry Trends



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Background

Information Appliances

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Information appliances can be as simple as an iPod for music files or as complicated as devices for managing the huge, specialized data stores associated with videoproduction studios.

Nearly all information appliances:

• are designed to support a specific activity, such as music, photography, or writing.

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- combine powerful software applications with the ease of use of household appliances.

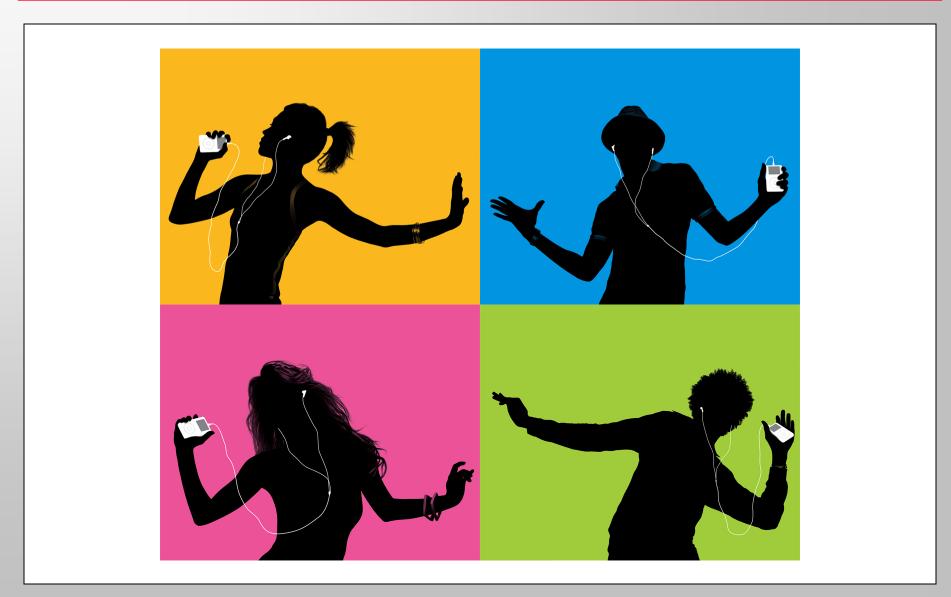
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- connect to digital networks for the purpose of gathering or distributing information.
- manage data in standard formats and can share information easily with other similar systems.

Definitive Information Appliance



Background

Information services provide online access to highquality collections of coherent information, usually on related topics.

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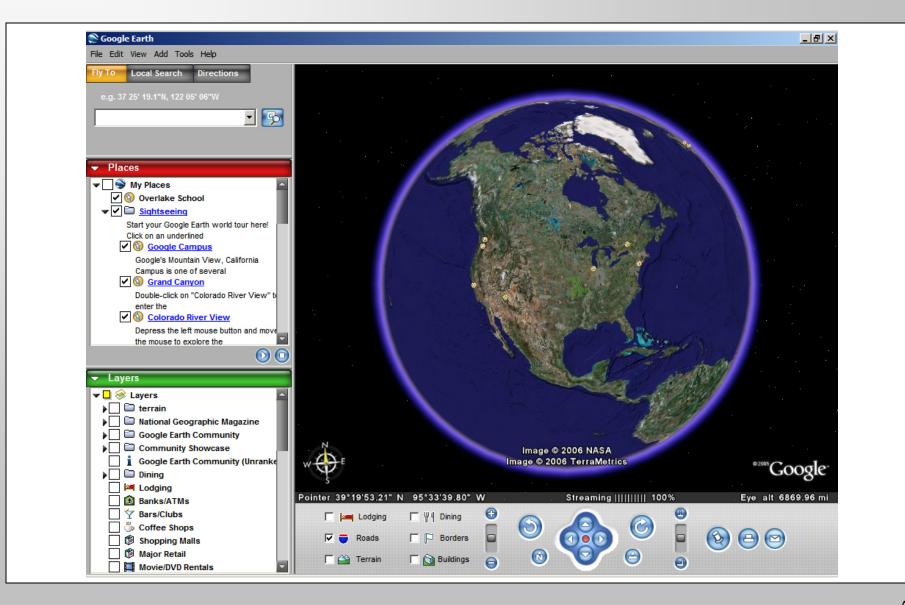
Edited information services provide a value-added level of coherence and quality control.

Unedited information services provide open publishing opportunities for authors.

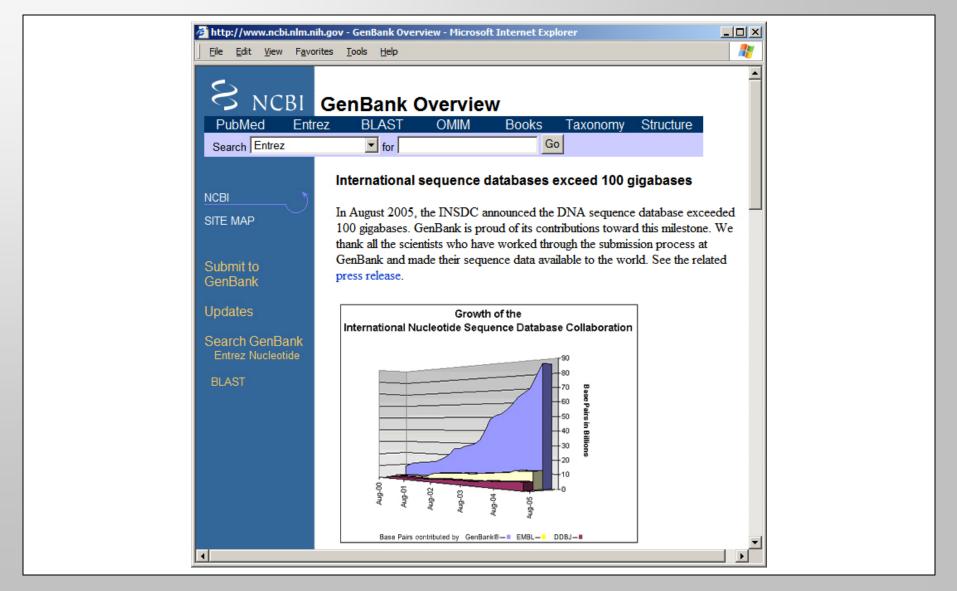


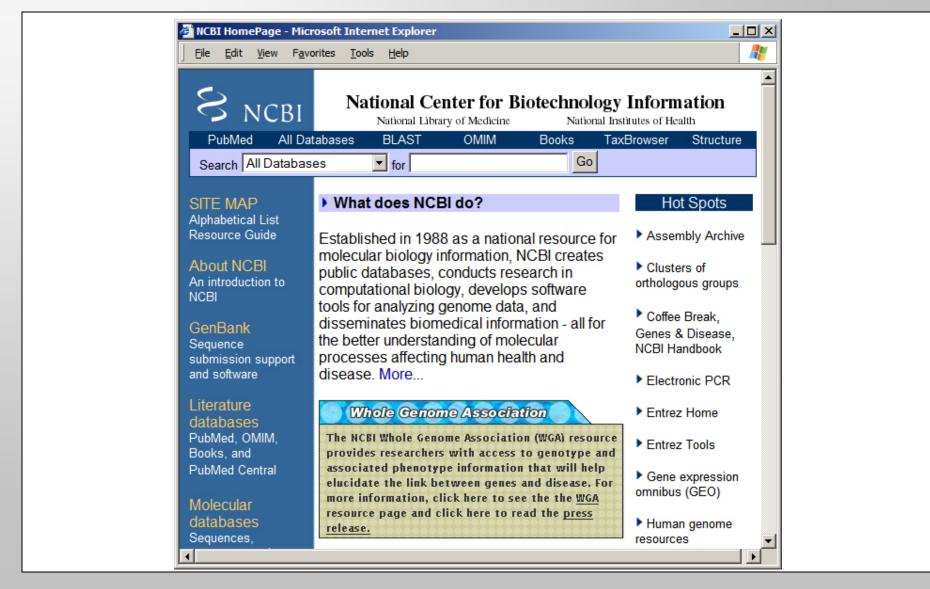
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SUMMARY

Different types of data need different data-sharing solutions.

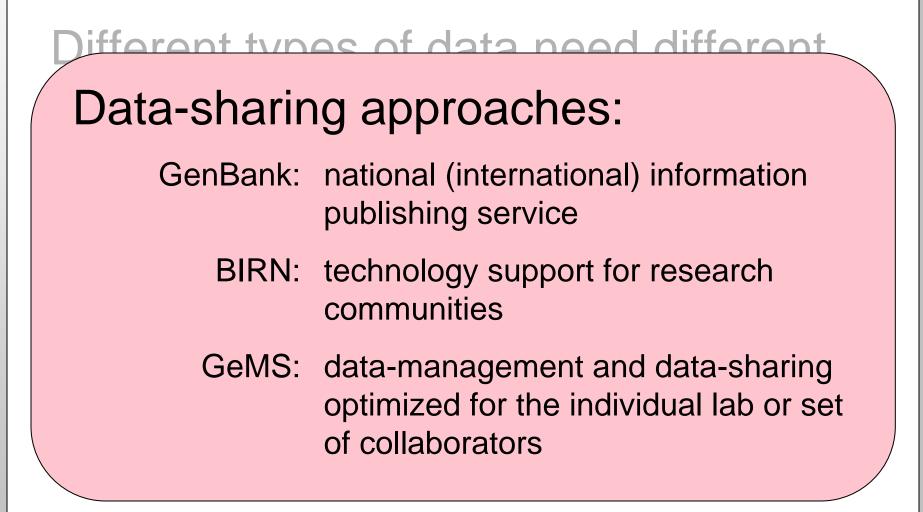
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Information appliances and services are major industry trends.



END