

LIBRARY SERVICES AND SPACE: a primer

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Pre-Internet

Post-Internet

Collection - centric

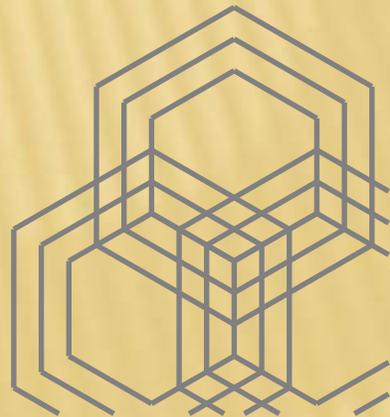
User - centric

Permanence
Stability
Individual
Quiet
Solemnity
Status quo
Storage
Content consumption
Planned-use spaces
Capacity trumps experience
Quantities

Collections

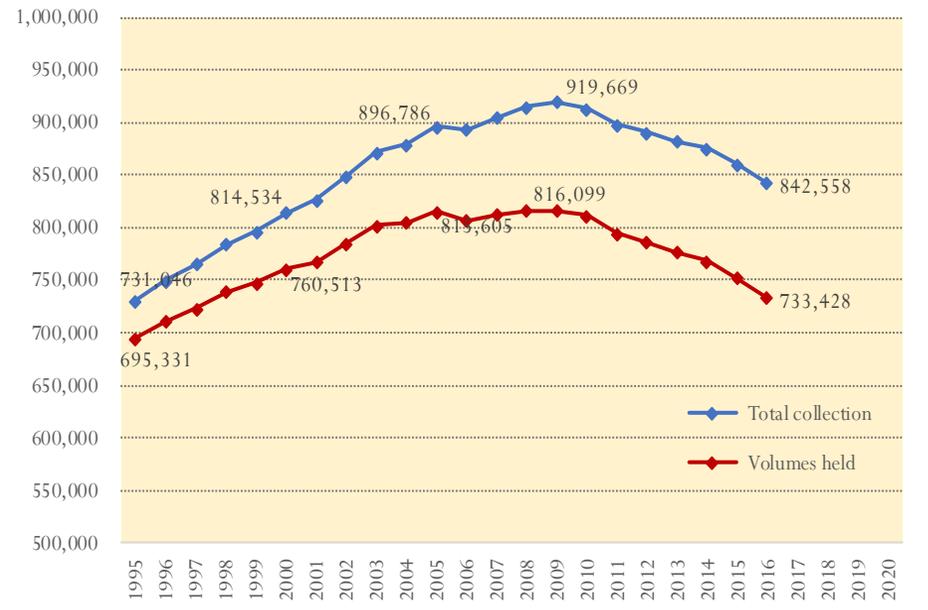
Responsiveness
Flexibility
Communal
Bustle
Playfulness
Innovation
Production
Content creation
Multi-use spaces
Experience trumps capacity
Qualities

Connections

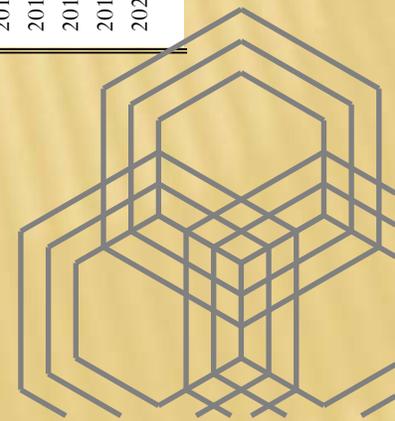
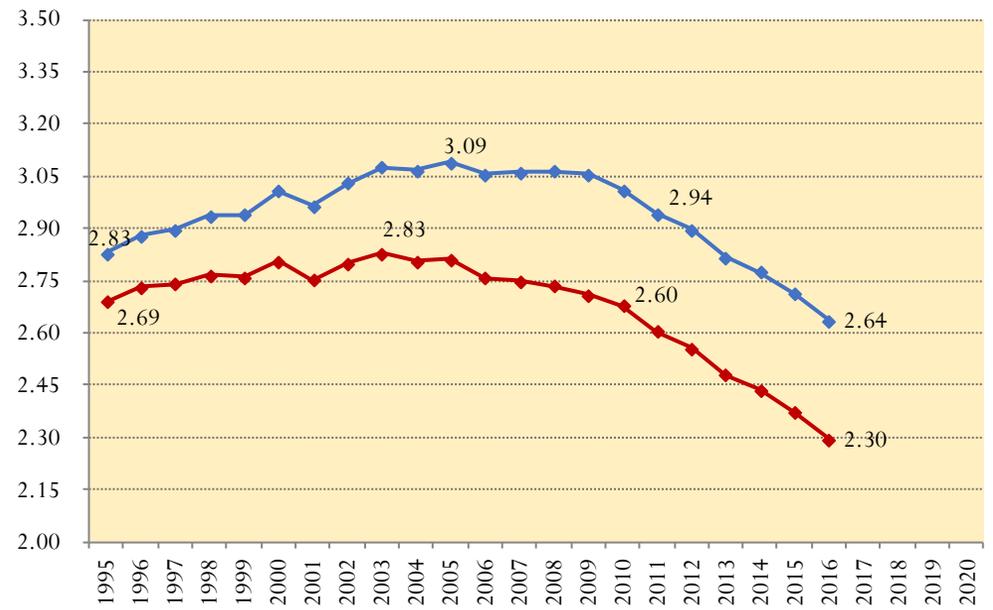


Leaner inventories

**TOTAL INVENTORY (in 000s)
ALL U.S. LIBRARIES**

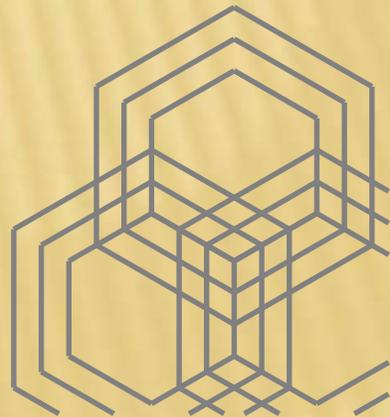


**ITEMS HELD PER CAPITA
ALL U.S. LIBRARIES**



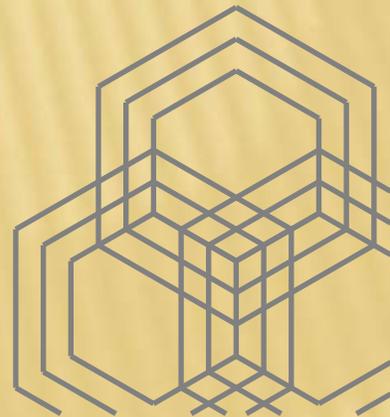
User experience: convenience

72" or 66" shelving is the new normal

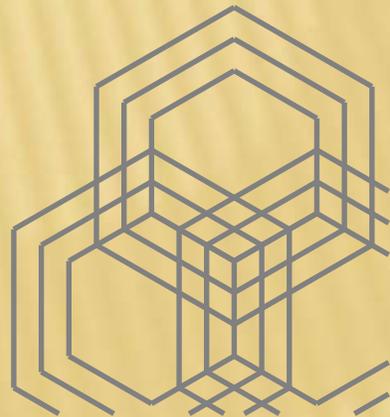
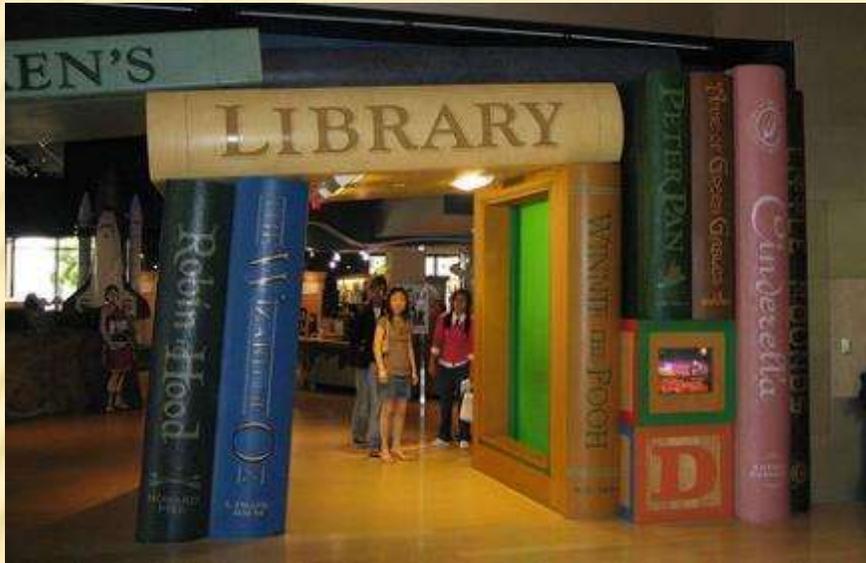


User experience: high-view high tech

Highlight the tools users need

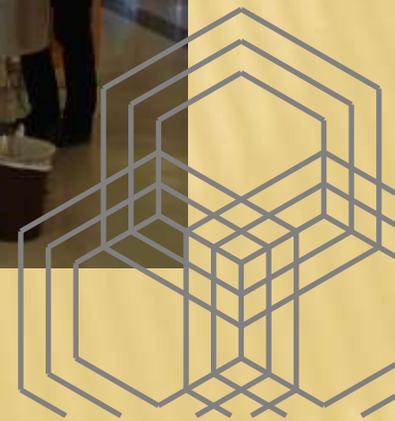


User experience: engagement

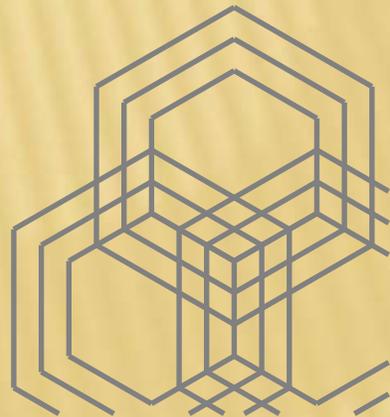


User experience: collaboration

For users, for staff

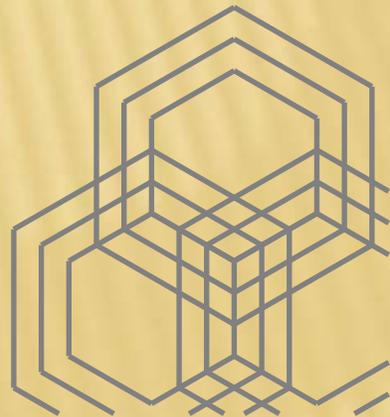


User experience: foster connections

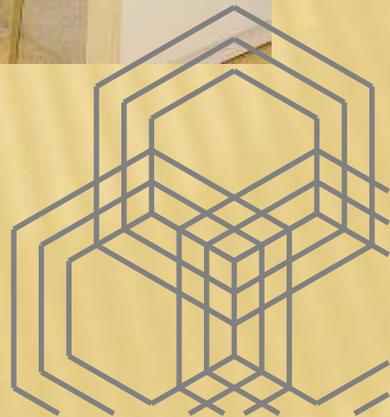
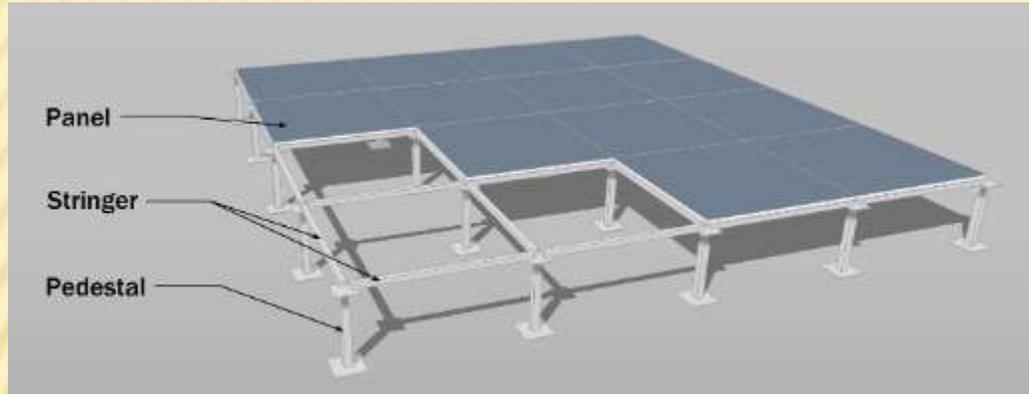


Flexibility: multi-use

Fewer single-use spaces



Flexibility: power access



Where will technology lead?

Stores with no checkout

Autonomous cars

Virtual shopping

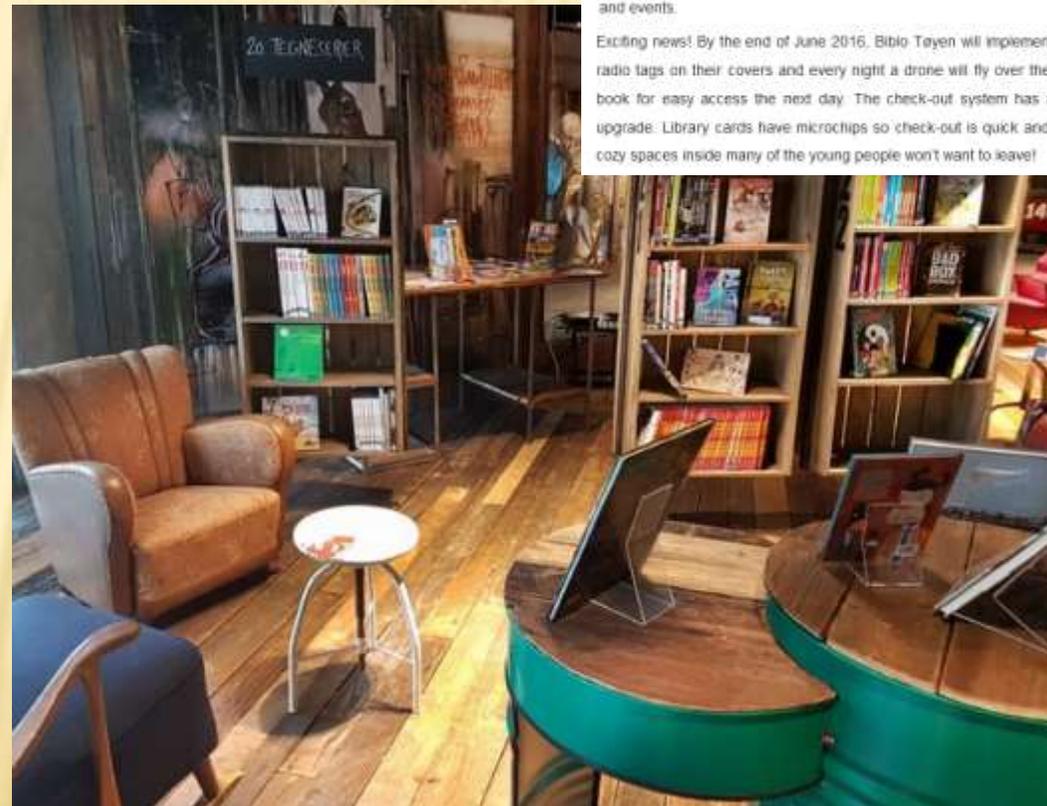
Augmented reality glasses

Voice-controlled assistants

Delivery drones

“It's not just Amazon Go: 6 amazing ways
technology will transform how we shop”

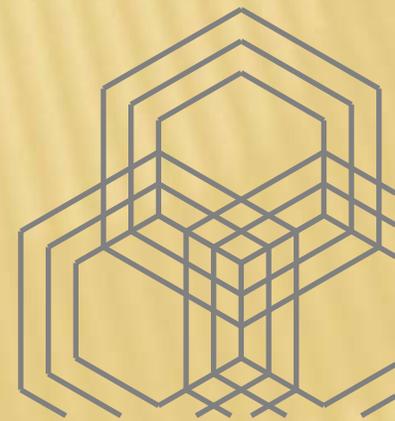
USA Today
Sept 29, 2018



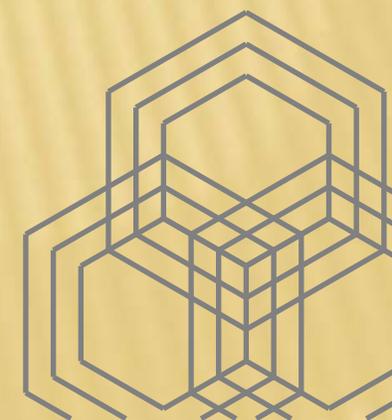
Library of the Future and Book Drones

Say goodbye to the old fashion library classification system! Books are grouped by themes or features such as 'animals' or 'short and good' so a science fiction book may be next to a book about robots to encourage discovery in more natural way. In this way, no book has a permanent location and all the bookshelves hang from rails on the ceiling making it easy to rearrange the space for different functions and events.

Exciting news! By the end of June 2016, Biblio Tøyen will implement a book drone system. All books have radio tags on their covers and every night a drone will fly over the bookshelves to scan and locate each book for easy access the next day. The check-out system has also been given a technology infused upgrade. Library cards have microchips so check-out is quick and simple. However, with all the cool and cozy spaces inside many of the young people won't want to leave!



The library as an incubator for growth



Why it matters

Through the public library, communities combine resources to foster learning, self-improvement and advancement

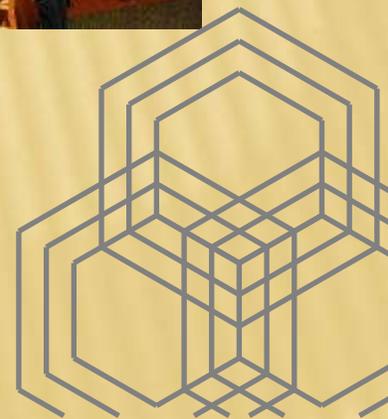
Levels the field

Promotes economic independence for individuals, economic stimulus for communities

Today, the library meets this challenge by offering an increasingly diverse array of materials, tools, and technology

Master new skills, recreate yourself

The traditional place for static storage becomes an environment for engagement



Service + space needs assessment

The starting point

Specify service / resource inventory

Figure out what the library needs to house to find out how big the house needs to be

- Define a service goal

- Apply a formula allowance to estimate space need

Establishes scope and scale of the project

Public Library Space Needs: A Planning Outline

<https://dpi.wi.gov/pld/board-directors/space-needs>



Service + space needs assessment

Seven (or eight) types of space

Collection space

- Print

- Nonprint

- Magazines

Technology space

Reader seating space

Staff work space

Meeting space

- Multi-purpose

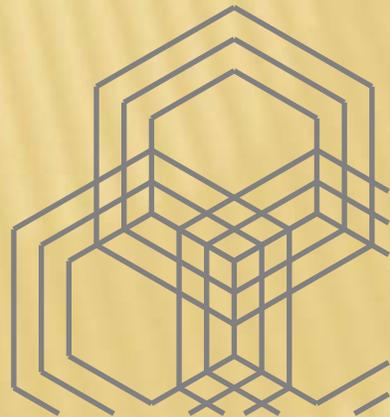
- Storytime

- Conference

Special use space

Nonassignable space

Dedicated allowances (maybe)



Service + space needs assessment

Preliminaries

Consider the library's service population – how is it changing?

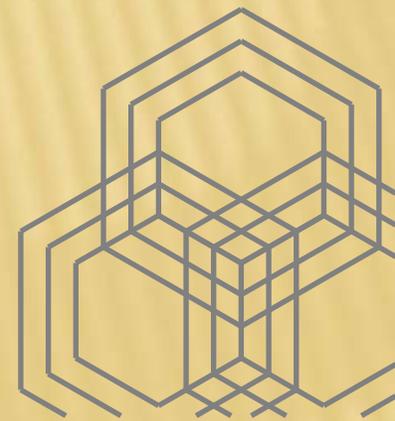
Growing? Stable? Contracting?

Essential demographic characteristics

Estimate the design population

20-year forecast of primary jurisdiction population

Consider accommodation of nonresident use



Service + space needs assessment

Collection space -- books

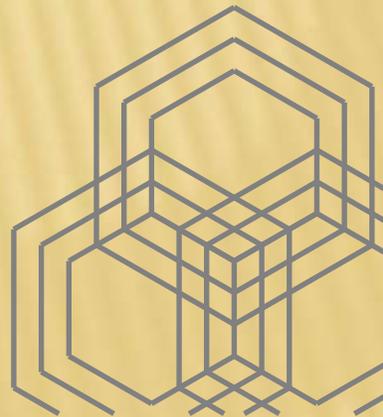
Estimate future inventory needs

- State standards
- Growth rates
- Comparisons with other libraries
- Local demographics
- Impact of digital delivery



Apply the corresponding factor for volumes per square foot

		Shelf height		
		84"	72"	60"
Aisle width	36"	13.50	12.00	9.50
	42"	12.50	10.00	9.50
	48"	11.00	9.50	8.50



Service + space needs assessment

Other service components – Part 1

Collections – nonprint

Apply a factor of **10**, **13** or **15** items per sq.ft.

Collections – magazines (current display)

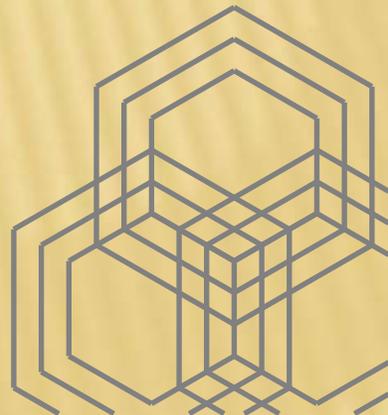
Allow **1.0** sq.ft. per title received

Collections – magazines (back issues)

Allow **0.5** sq.ft per title per year held

Technology

Apply a factor of **35**, **45**, or **50** sq.ft. per station



Service + space needs assessment

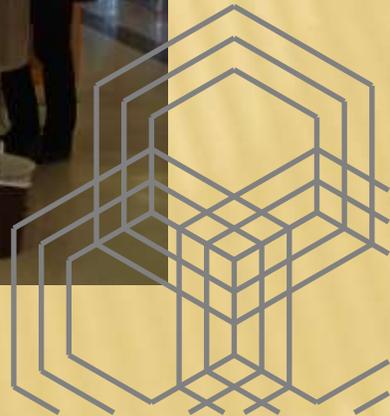
Other service components – Part 2

Reader seating

Apply a factor of 30, 35, or 40 sq.ft. per seat

Staff work space

Apply a factor of 100, 110, or 125 sq.ft. per staff station



Service + space needs assessment

Other service components – Part 3

Meeting space – multi-purpose

Allow **10** sq.ft. per seat + speaker / stage
(100 sq.ft. min)

Meeting space – storytime

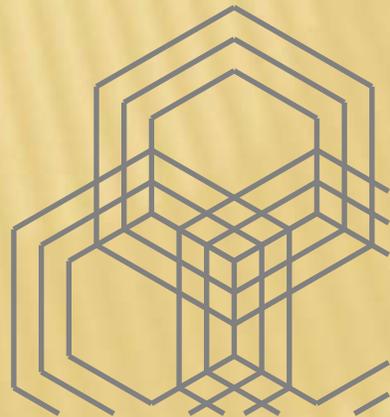
Allow **10** or **15** sq.ft. per seat + presenter
(75 sq.ft. min)

Meeting space – conference

Allow **30** sq.ft. per seat + 10 sq.ft. per
gallery seat

Meeting space – computer training lab

Allow **50** sq.ft. per station + presenter
(75 sq.ft. min)



Service + space needs assessment

Other service components – Part 4

Special use space

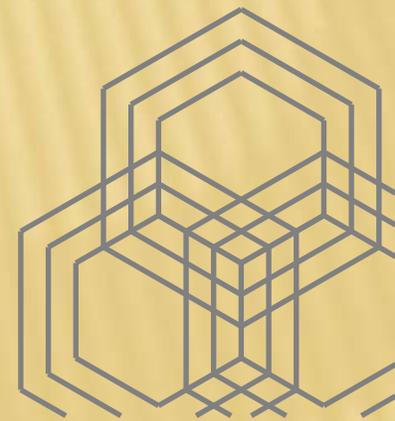
Allow 12%, 15% or 17% of gross building area

Nonassignable space

Allow 25%, 27% or 30% of gross building

Dedicated allowances

- Bookmobile garage?
- Automated Mats Handling?
- Café / Friends store?
- Something else entirely???



Service + space needs assessment

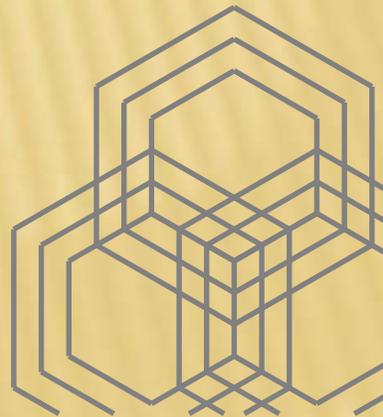
Putting it all together

- Collection space (print / nonprint / magazines)
 - + Technology space
 - + Reader seating space
 - + Staff work space
 - + Meeting space
-
- SUBTOTAL 1

- PRELIM = Subtotal 1 ÷ (100% - sp% - non%)
- + Dedicated allowances



<https://dpi.wi.gov/sites/default/files/imce/pld/xls/plspace.xls>



Service + space needs assessment

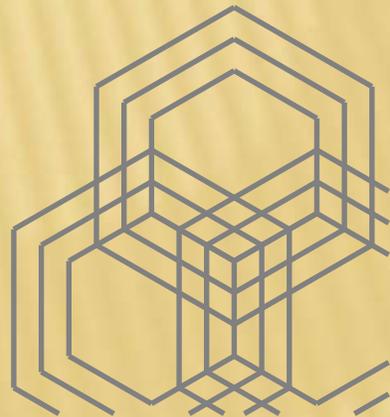
Using the results

Evaluate options

- Build on?
- Build new?
- Remodel?
- Convert?
- Do nothing?

Assess site needs

Consider (entirely too preliminary) budgets



Building program statement

What is it?

“A practical description of the library’s functional space needs based on its projected use and service goals”

The library’s instructions to the architect

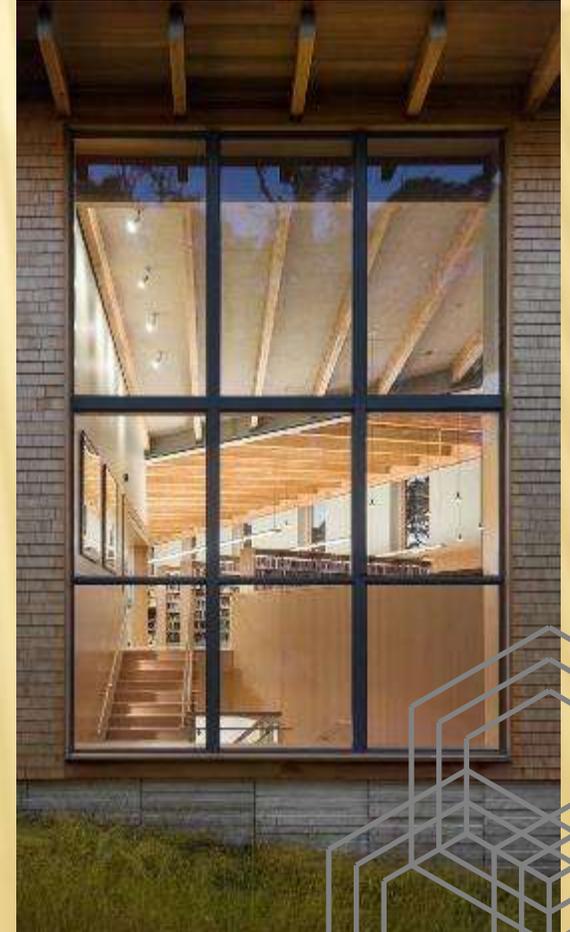
Four key questions

How big does the library need to be?

What are the component parts (depts, rooms, areas)?

How big do those functional areas need to be?

What needs to be next to what?



Building program statement

Who prepares it?

The architect?

Statement of the solution

Focus on the spaces

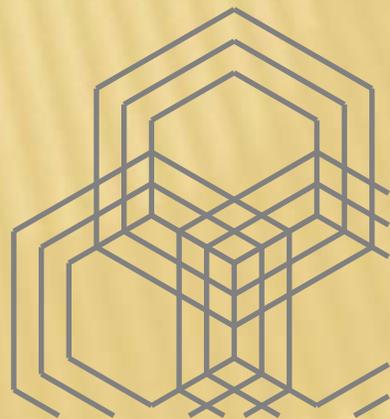
What we *are going* to do

The library!

Statement of the problem
to be solved

Focus on the services

What we *want* to do



Building program statement

How is it prepared?

Apply needs assessment as foundation

Use existing models

IDENTIFY departments and functional areas

CLASSIFY resources into functional areas

SPECIFY the appropriate settings (aisle widths and such)

CODIFY adjacencies



Building program statement

Collaboration is the key

The library



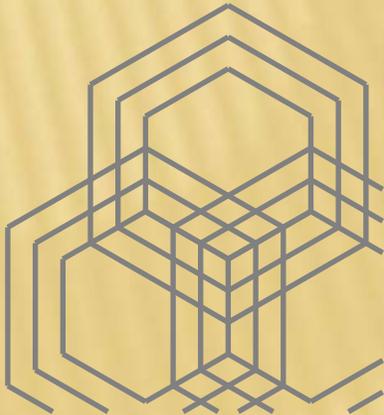
Inside-out

The architect



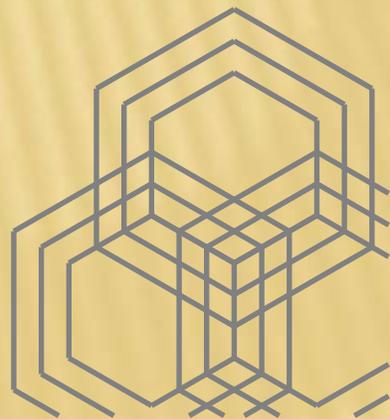
Outside-in

The solution

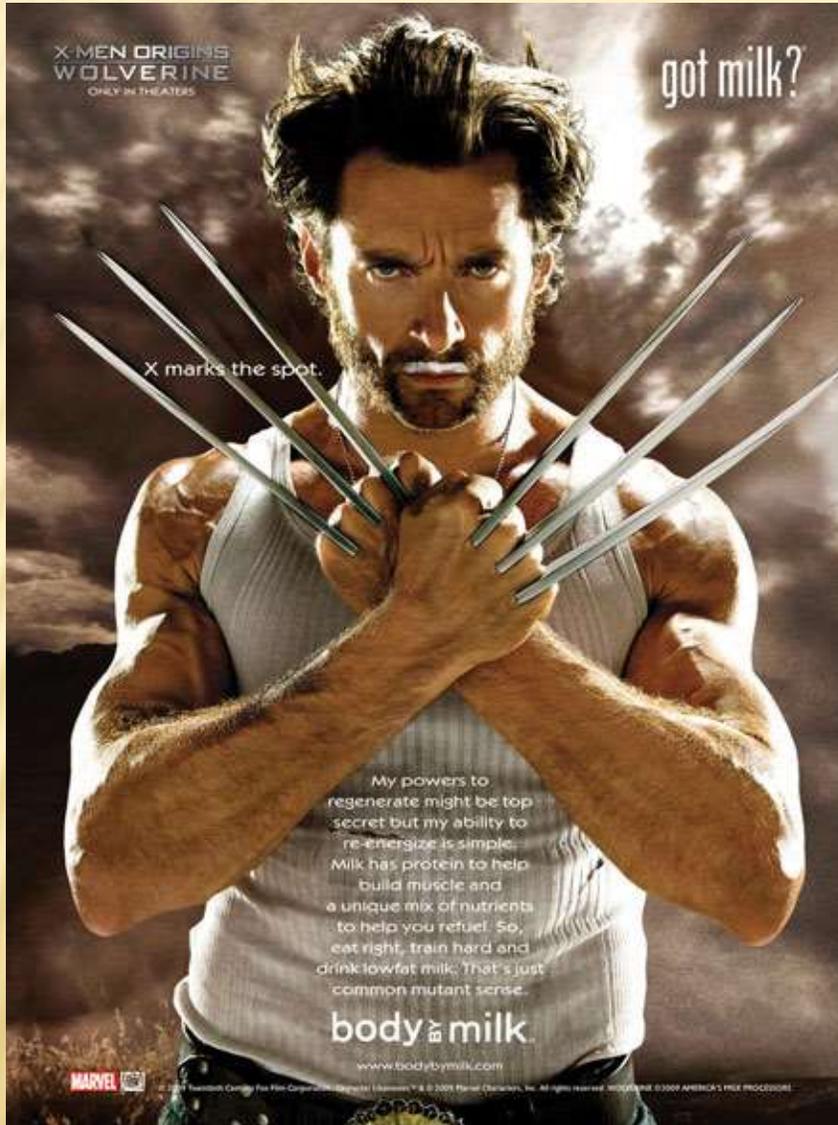


“The public library today is less about what we *have* for you and more about what we can *do* for you and with you.”

– Sari Feldman
President
American Library Assn



Got questions...?



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