
Welcome !

Campusbibliotheek Arenberg (CBA)

"CBA : Library for the Future …"

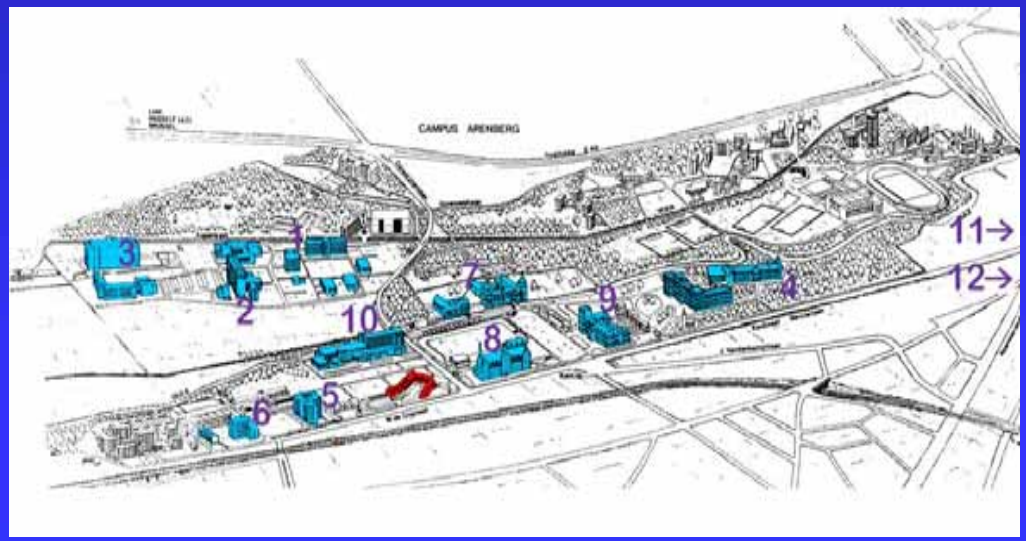
The situation of the past :

- **Structure of the University Library in Leuven**
  1. Central library
     (local deposit library, general reference works, historical & cultural heritage)
  2. 4 Campus library services
     (Humanities, Behavioral Sciences, Biomedical, and Sciences & Engineering)
  3. Each campus has several sectional libraries
     (in faculties or departments)

Science & Engineering Libraries

- **Some Numbers - Location :**
  1. Ca.18 libraries (incl. many small library units without staff)
  2. Almost 1.000.000 volumes (incl. Depot)

     3.050 journals
     ca. 7.500 incoming / 13.000 outgoing ILL-requests/year
     20 km stacks in different libraries, 445+ seats, 3.670 m² surface area
     ca. 8.000 students, 2.000 academic staff



Organisation before 2002

- Each department was responsible for its own collection, each library was typically staffed by a single librarian
- Cataloguing and ILL centralized in campus service
- Centralized acquisition of journals through EBSCO
- Campus library committee has taken away redundant subscriptions
- A limited list of “multidisciplinary journals” was funded by a central budget, composed according to a proportionality rule with respect to each faculty’s working budget

CONSEQUENCES:

- Collections adapted to research groups, with little care for undergraduate usage
- No general acquisition policy

Discussion on Centralization

- **Arguments for continuation of present situation**
  - Short walking distance between library and office
  - Local commitment towards acquisition budget
  - Familiarity of librarian with his/her customers
  - Facilities for access
    (private keys to library door!)

Discussion on Centralization

- **Arguments for centralization**
  - Multidisciplinarity of sciences
  - Individual research libraries forget their didactical mission
  - Small understaffed libraries have resulted in:
    - limited opening hours
    - often closed for holidays
    - no specialised services
  - Centralization may lead to:
    - Better (external) services
    - Smooth implementation of modern IT
    - Larger distances will be compensated by decentralized electronic information delivery
    - More possibilities for expansion & Improved “visibility” of the campus

Discussion on Centralization

- **Why do we still need a (physical) library ?**
  - In spite of modern digital information technology, we still need space for *books*
  - University concept is moving towards more "*guided self-study*" by the students;
    - → We have to offer them the necessary infrastructure!
  - The *intermediation* of electronic information requires a centralized management structure

CBA Concept

1. **Library :**
   - Clusters
   - Maximizing ‘open-stack’ collection
   - Lay-out : journals, books, ‘compactus’, depot
   - Automatic check-out (RFID) & (later) check-in
2. **Information Center :**
   - CBA-Infonet & website
   - SUN network (hot desking)
   - …
3. **Study Center :**
   - Seminar rooms
   - Carrels
   - Videoconferencing - Distance Learning Facilities

Building & Site :
Old Celestine Monastery

- **Architect – International Contest :**

  → ***Jose Rafael MONEO***

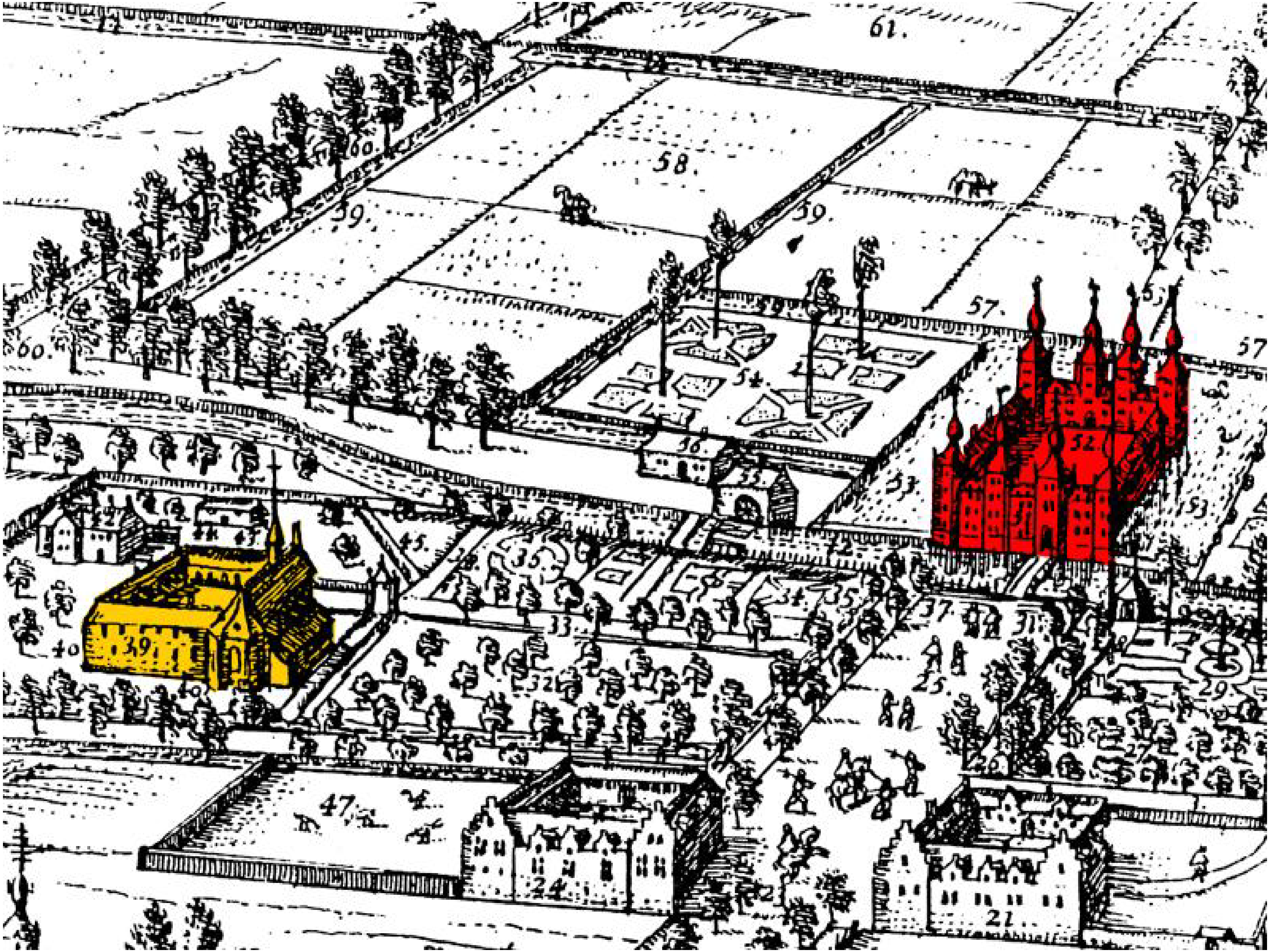
- **The Celestine Monastery :**

Jose Rafael Moneo
architect

- 16th century (1521-1526) monastery of the Celestine order, attached to the Arenberg Castle
- 1783: convent suspended by Joseph II
- 1796: church plundered and left in bad shape
- 1816: duke of Arenberg breaks down the church and part of the West wing
- Around 1900: Refectorium used as horse stable
- End of 20th Century: Remaining parts are the East wing (Refectorium), part of West wing and 3 wings of courtyard gallery; university uses the site for a variety of purposes.

The final realization …

1 October 2002



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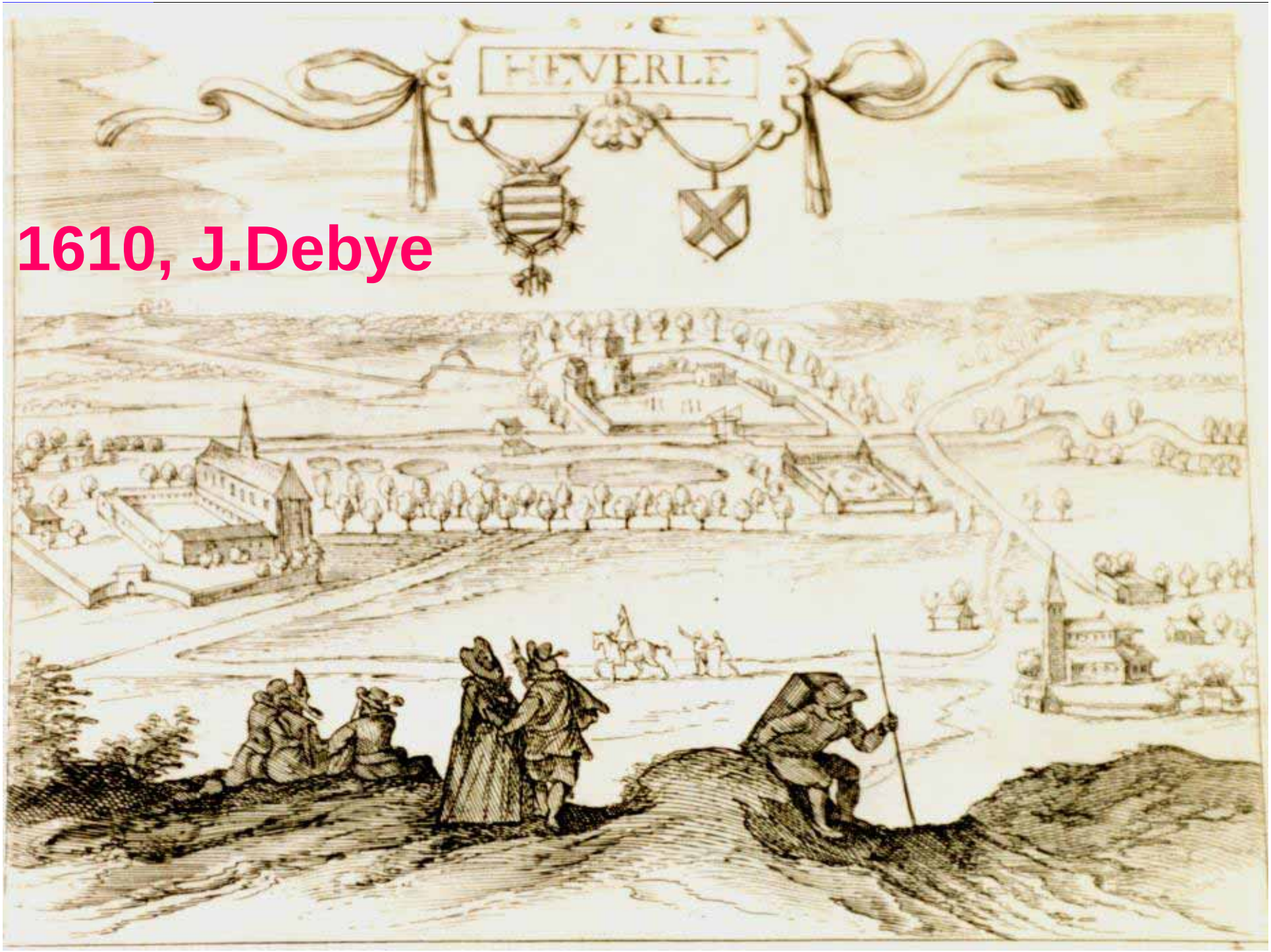
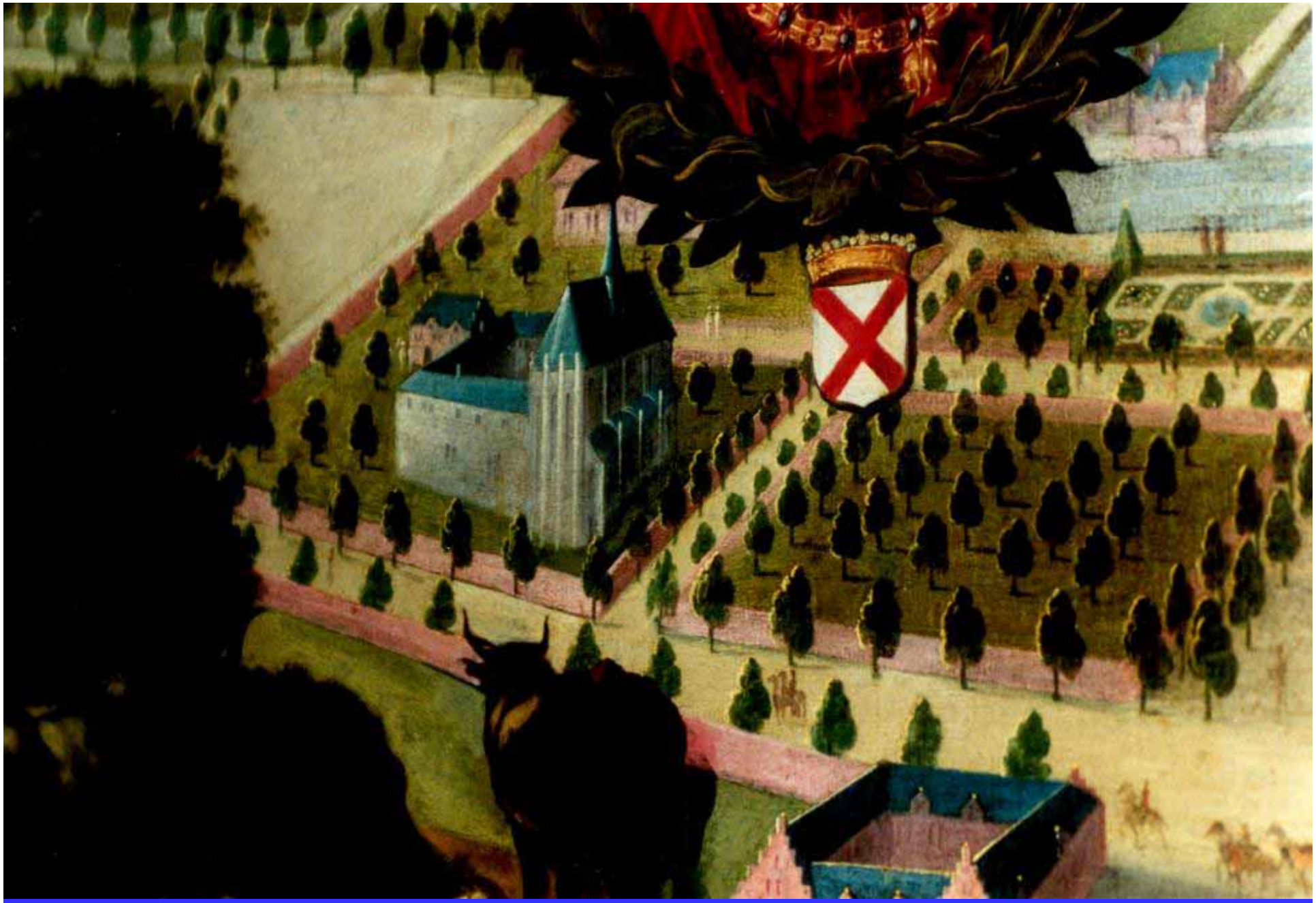
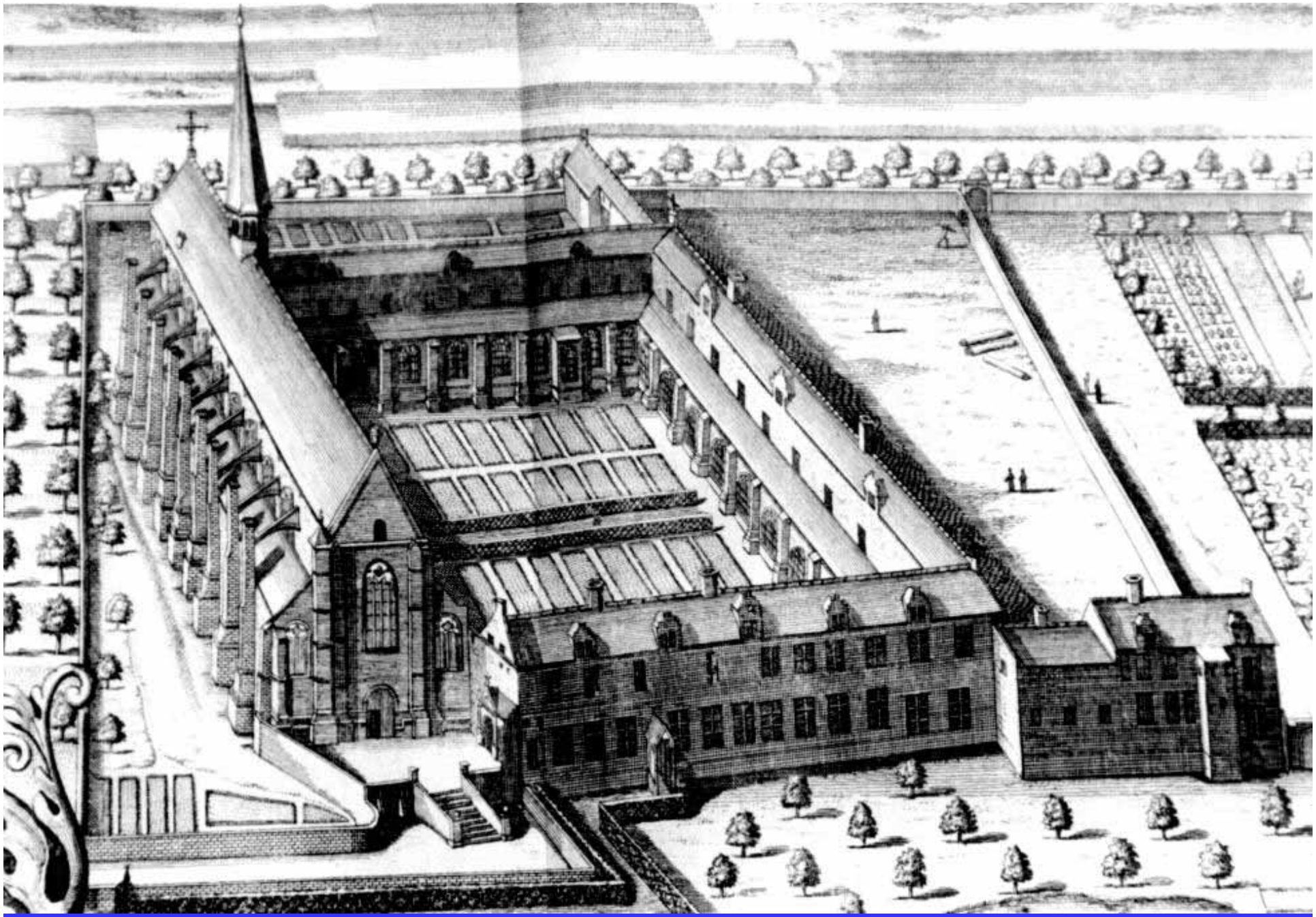


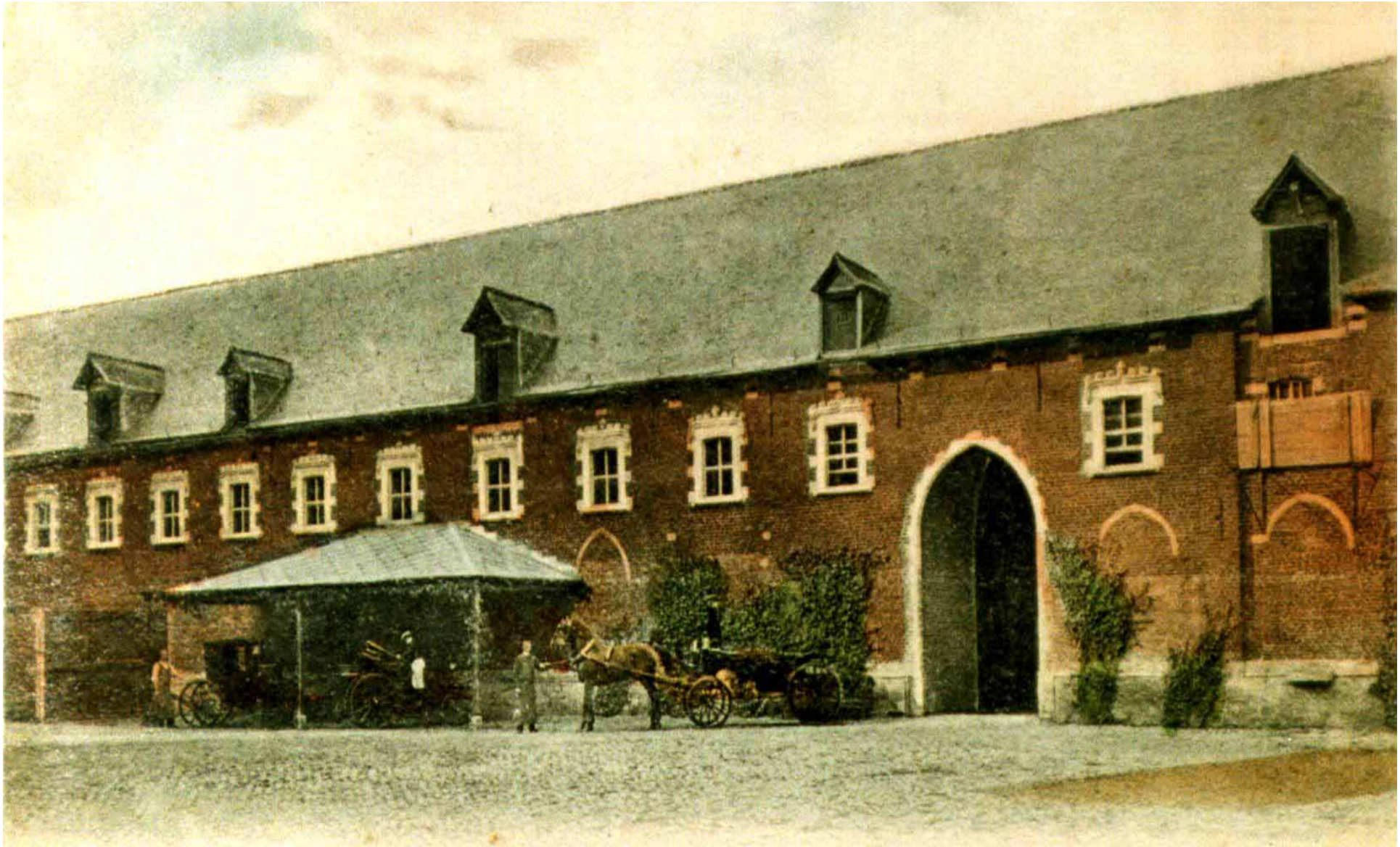
1610, J.Debye



Joost Vander Baren (?) - ca. 1600 - Arenberg castle Heverlee



Lucas Vorstermans - 1727



Ecuries du château d'Heverlé

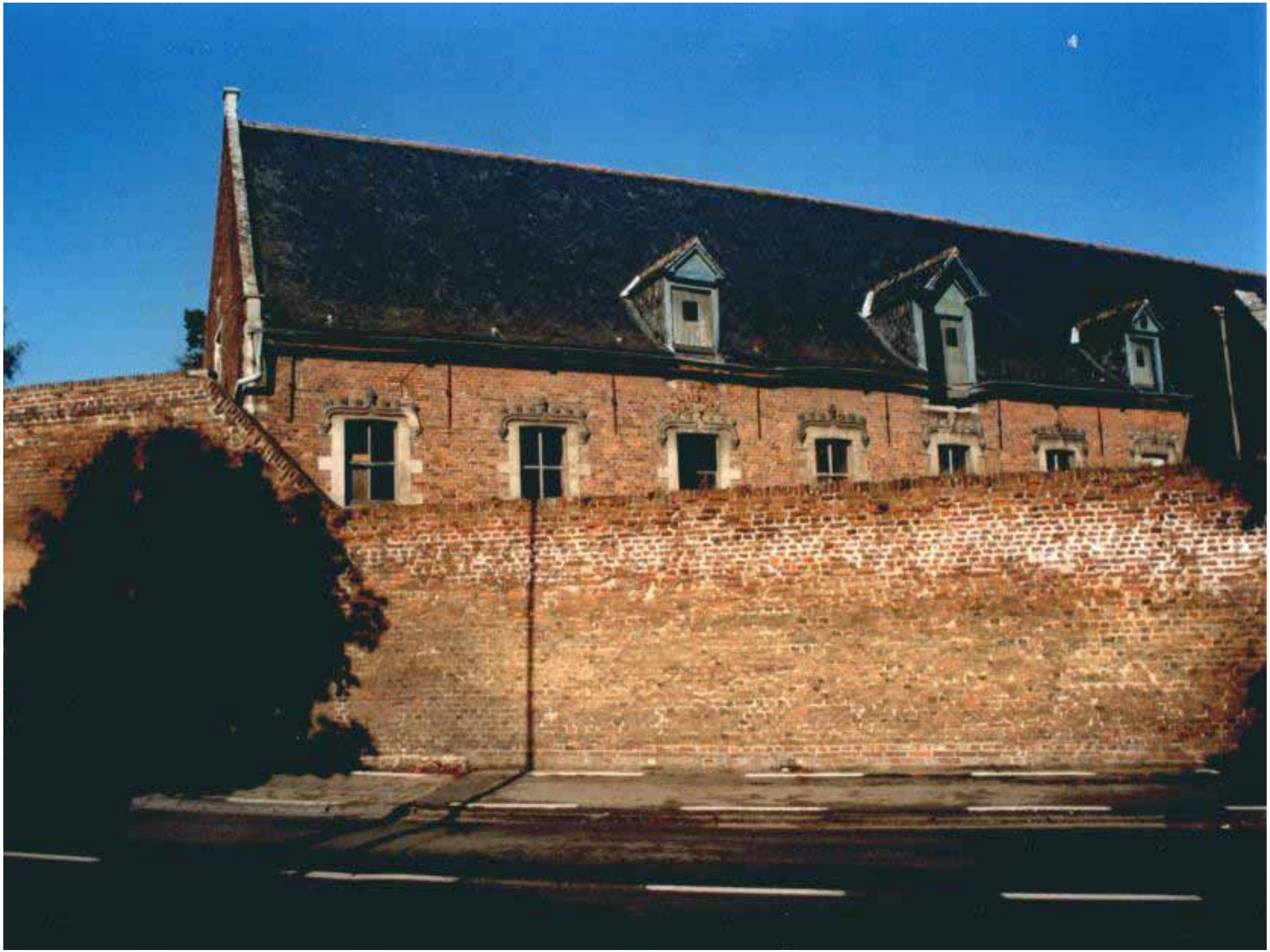
Première cour

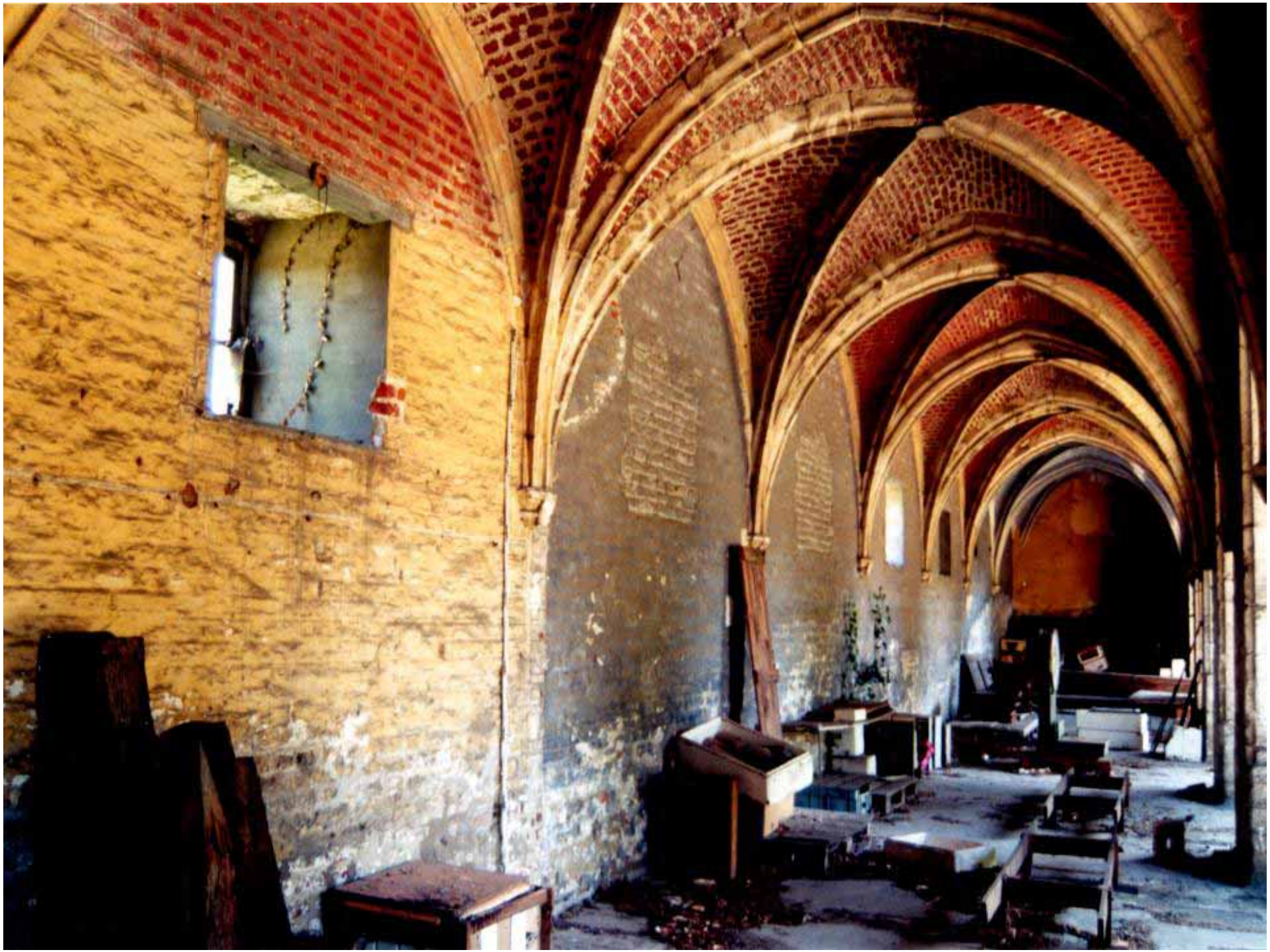
(ca. 1900)

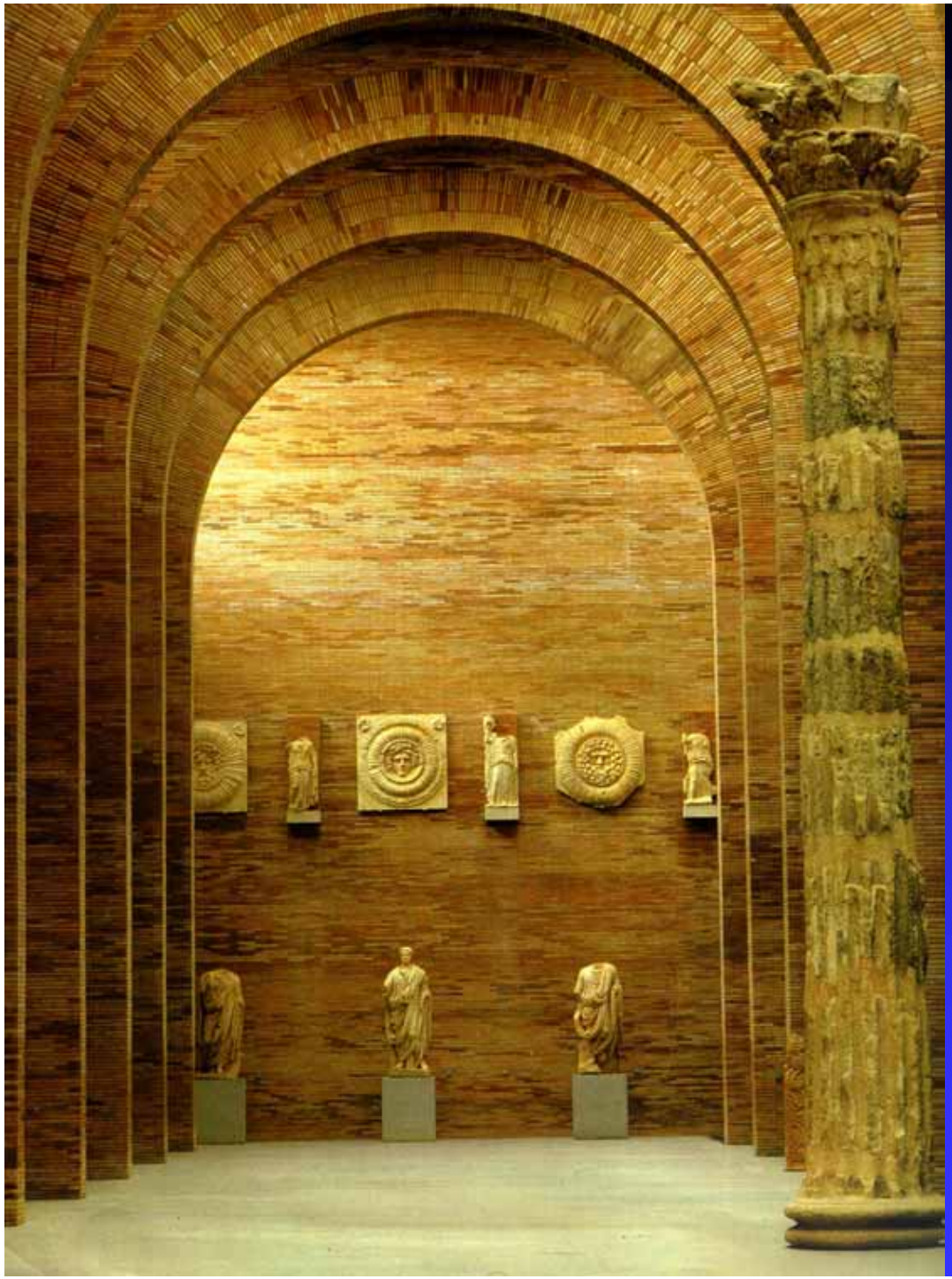
Nels, Bruxelles Serie 36 No. 93


(ca. 1900)
Petite sellerie


winter 1999 – voorjaar 2000



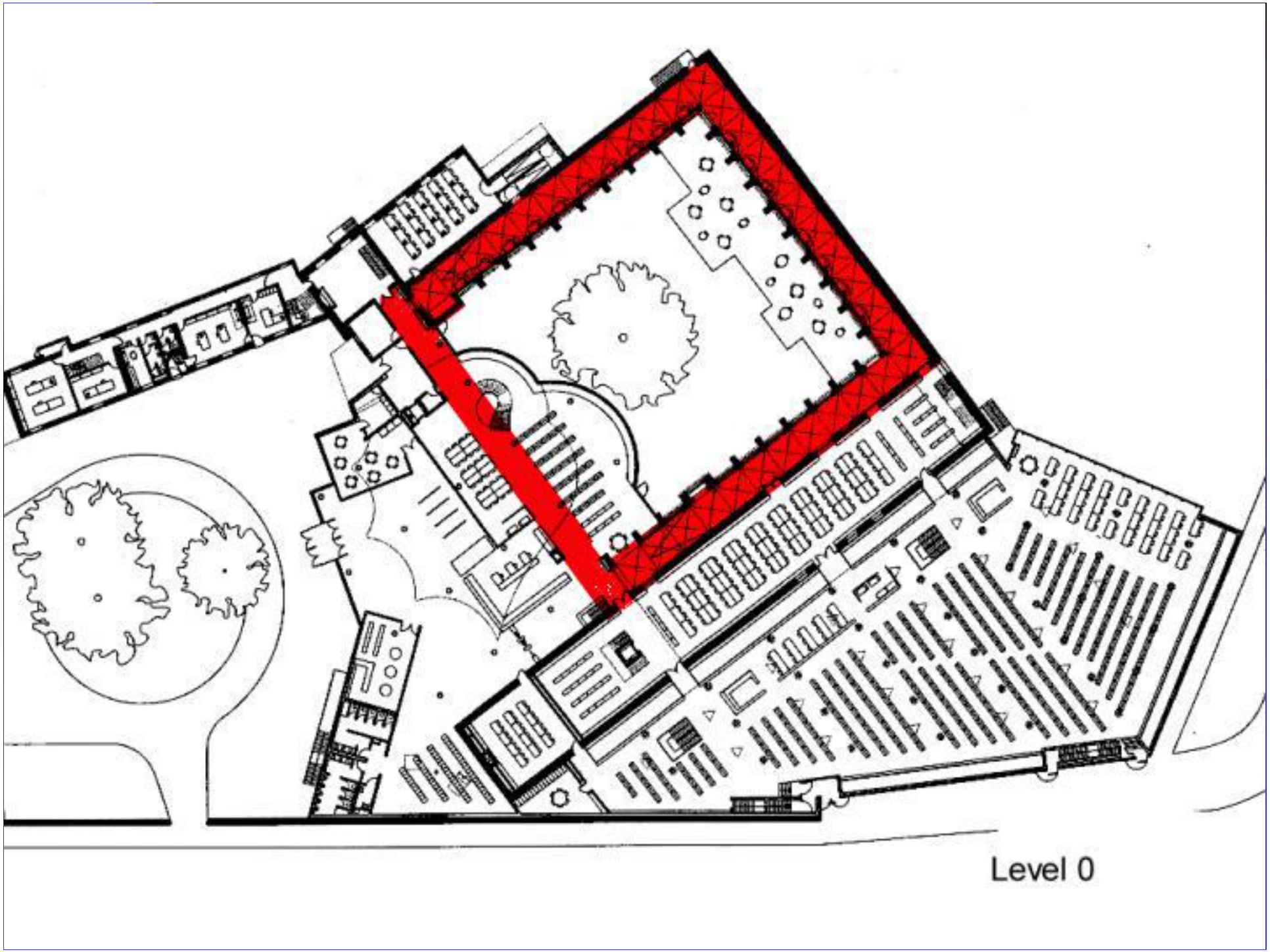




José Rafael Moneo

Doctor Honoris Causa
K.U.Leuven 1993
Brunner Memorial Prize
Schock-Prize
Pritzker Architecture Prize

Museo de Arte Romano in Merida (1986)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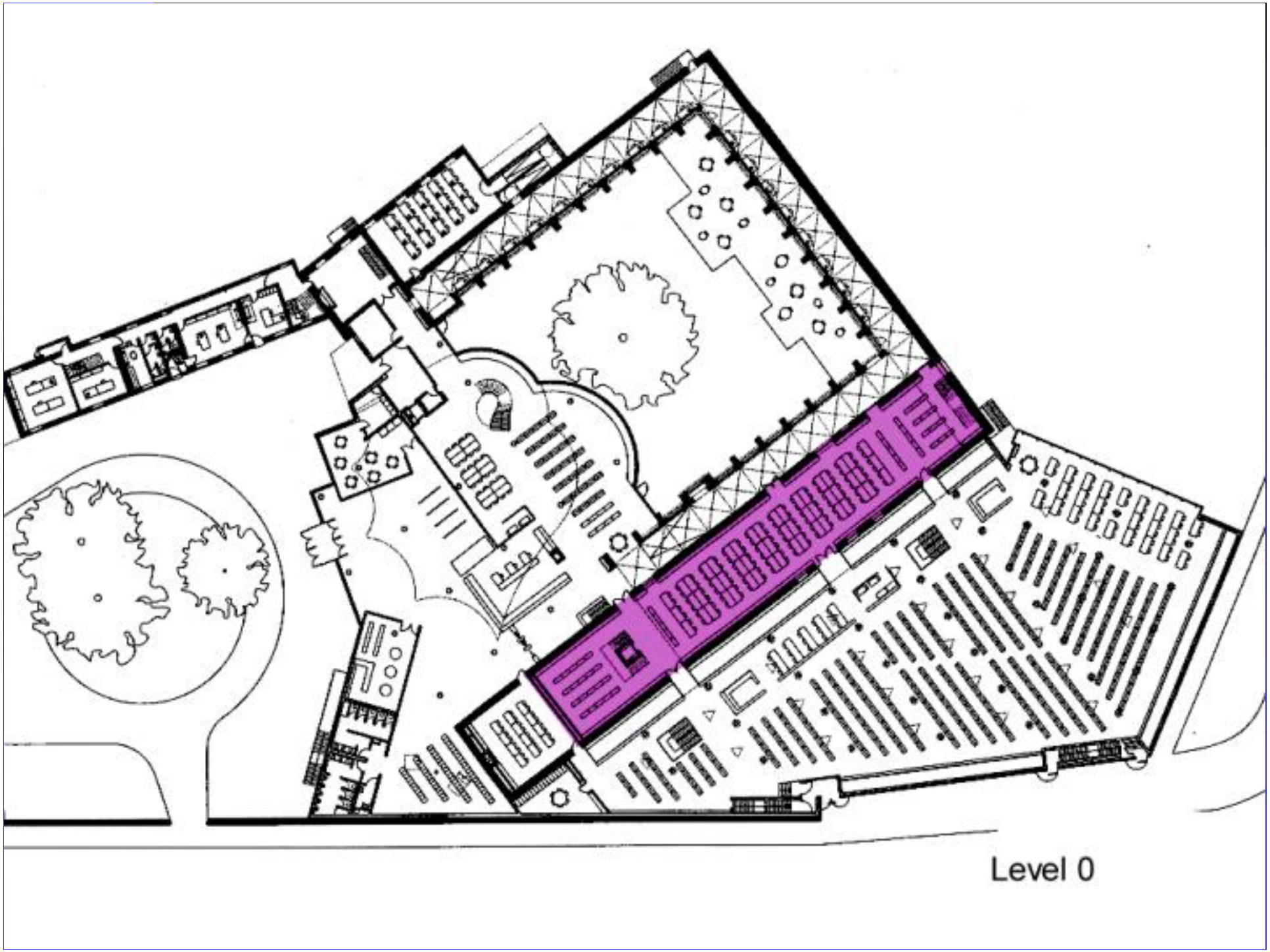
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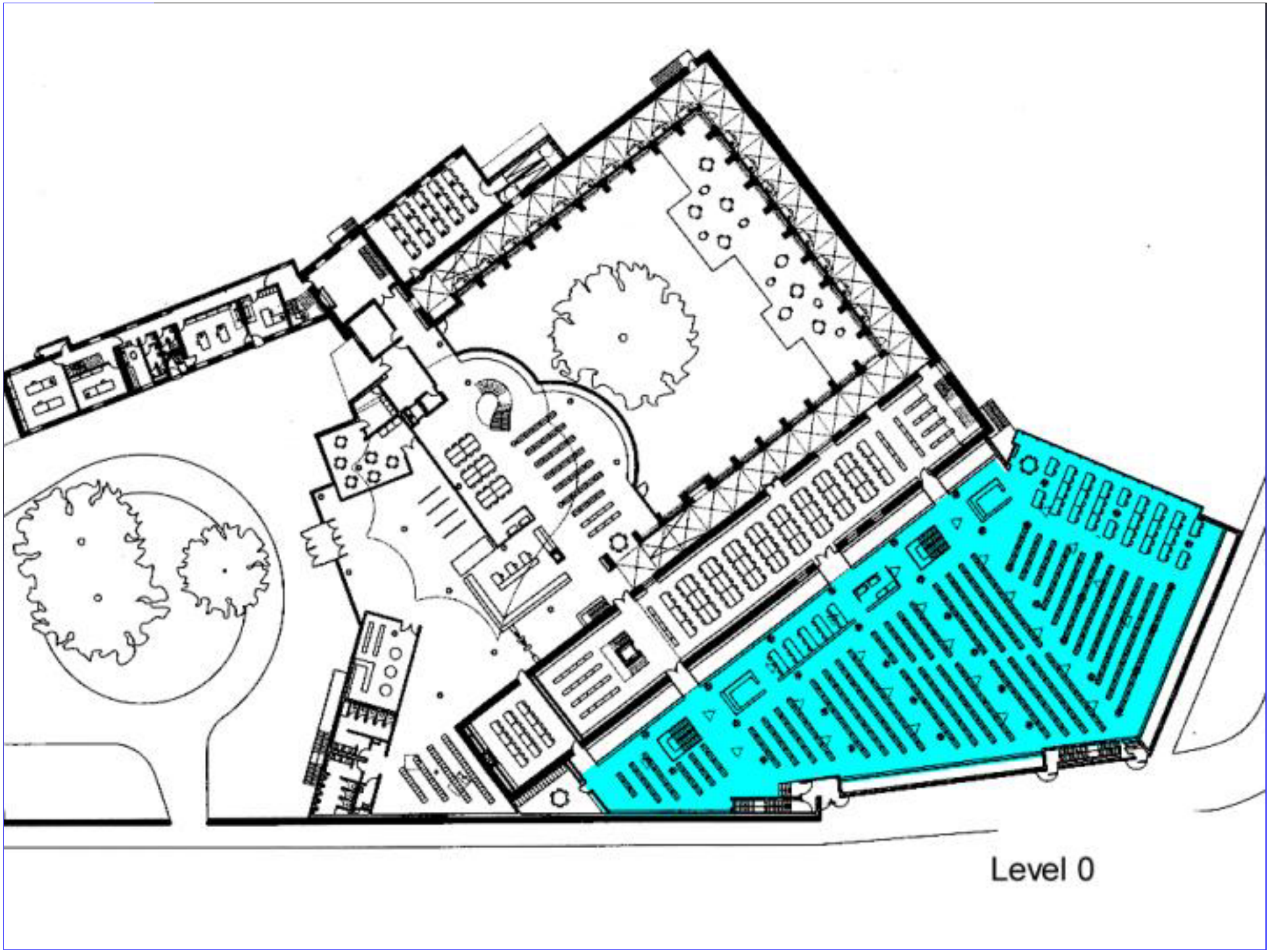
micro
Software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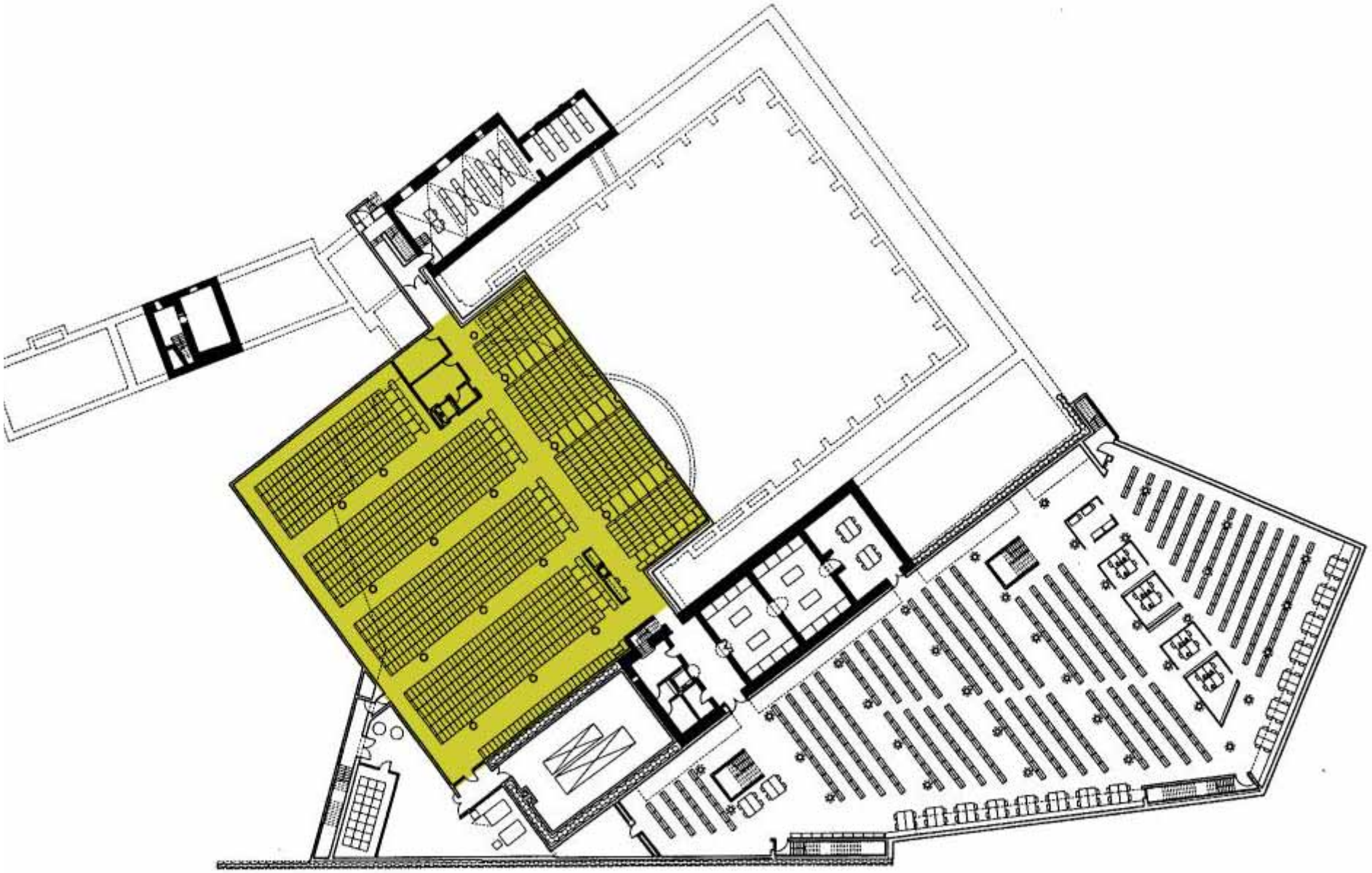

Level -1

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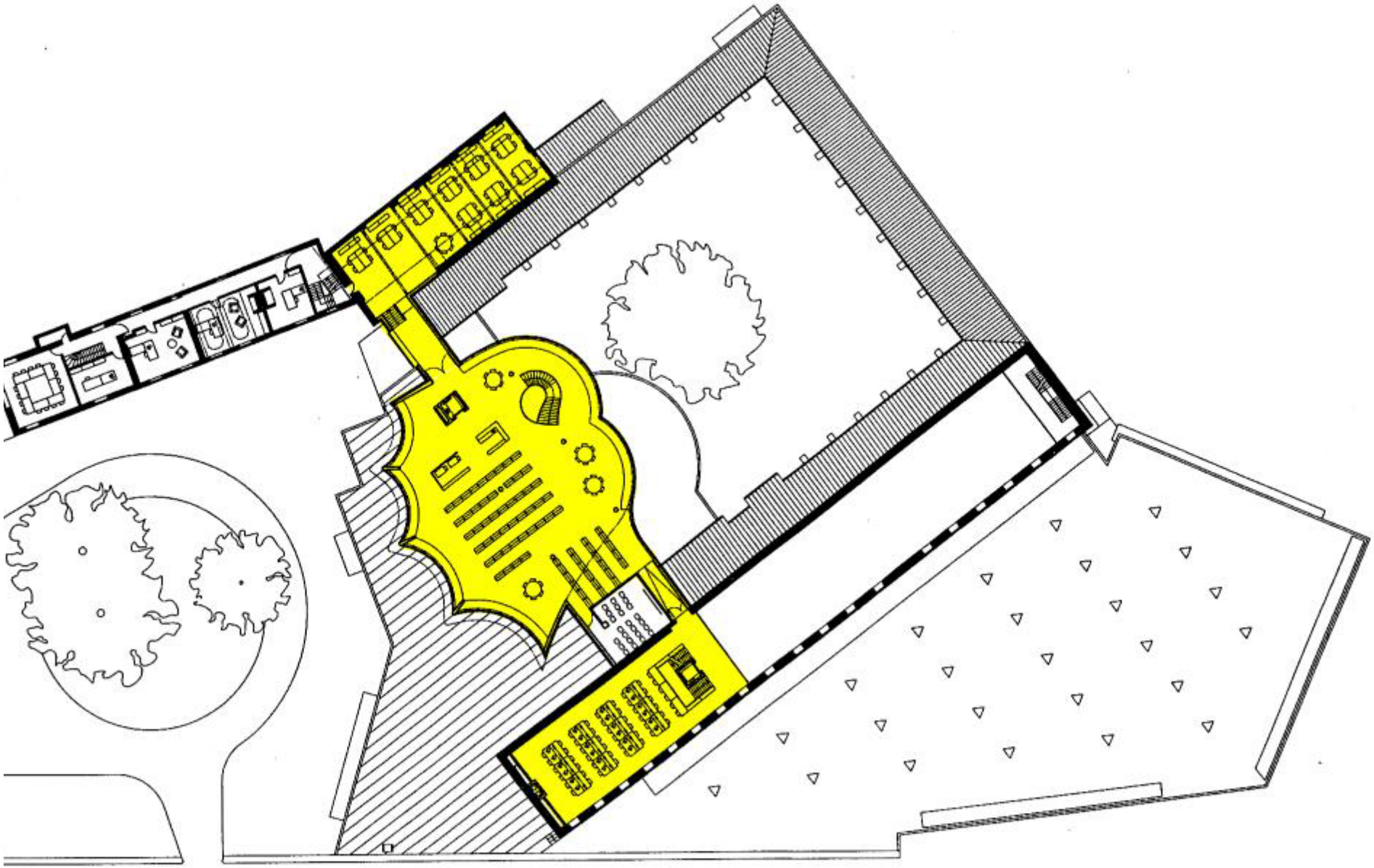
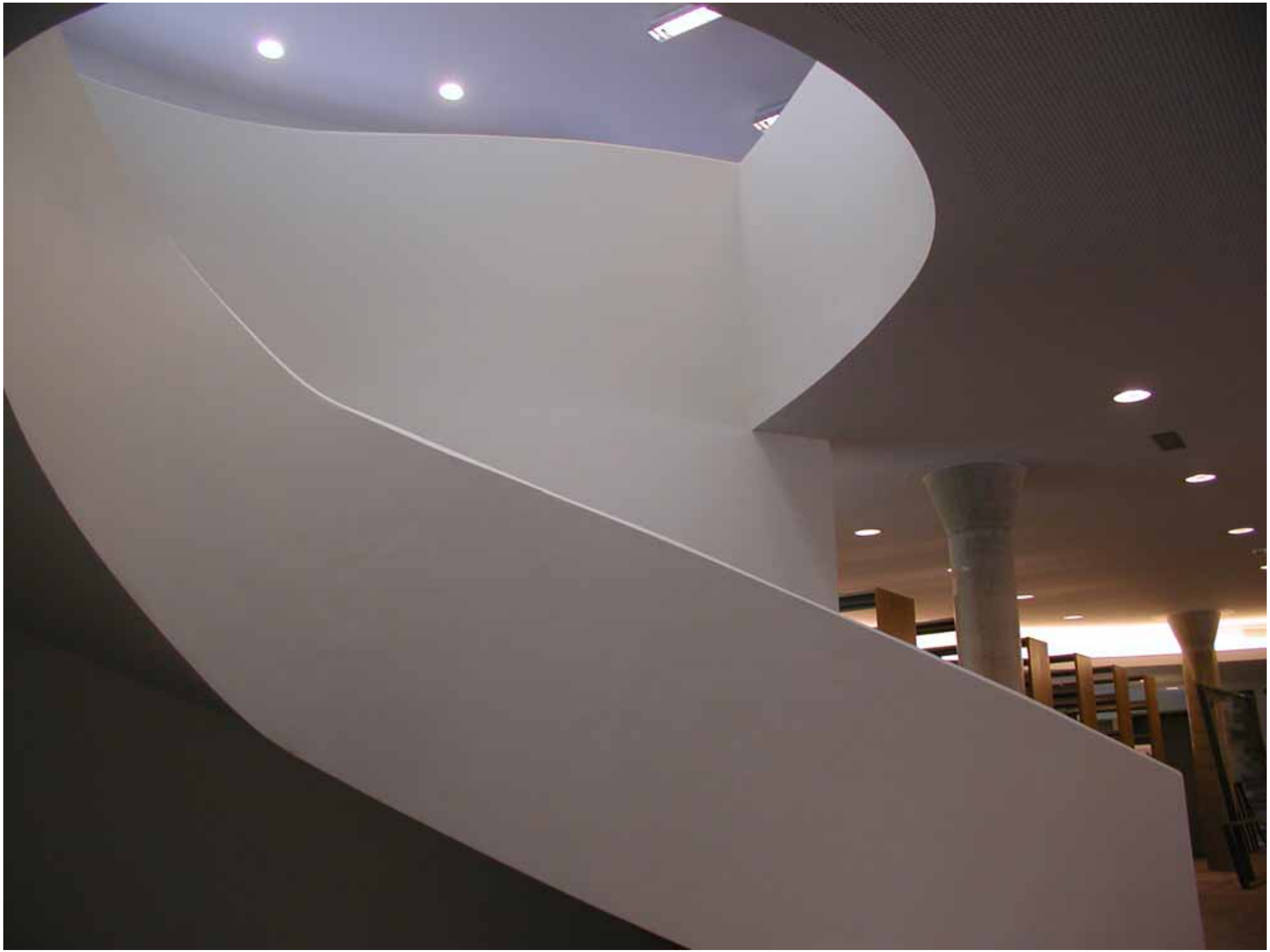


Level 1



The new building

- Emphasis on courtyard, with missing side replaced by a modern construction
- Refectorium used as main reading room
- New 2-floor open stacks and a large compact stack
- Modern space for undergraduates and general reference works (didactical cluster)
- Building lay-out is ideally suited for making the library a central meeting place of people

Campusbibliotheek Arenberg

= *Library*

- **Largest books and journal collection for sciences & engineering in Belgium**
- **Total = ca. 1.000.000 volumes**
- **Capacity open stacks** **280.000**
  - **level 01 = books**
  - **level -1 = journals**
- **Capacity compact storage** **600.000**
- **Capacity ‘depot’** **400.000**
- **Total length shelves** **ca. 34 km**
  - **26 km in-house (11 km open stacks + 15 km compactus)**
- **Net surface area CBA complex** **10.350 m²**
- **Advanced library technology and multimedia facilities**

Partner :

Internal organisation

- Large stacks are divided in logical “clusters”, each with its own subject librarian:
  - didactical cluster (general reference)
  - biosciences (biology, agronomy)
  - mathematics, computer sciences, electronic and mechanical engineering
  - physics, chemistry, astronomy, materials sciences, geology
  - architecture, construction, geography
  - (+ physical education and kinesiology)
- One information desk per 2-3 clusters


clusters
1-2-3

Ordering of the collection

- Monographs on upper stack level, journals on lower level (but recent issues in general reading room!)
- Older journal volumes and less frequently consulted works in closed (compact) stack or on remote location
- Ordering by UDC, but logically regrouped by “cluster”
- Electronic help through “locator software” in order to guide the user towards his subject area

Campusbibliotheek Arenberg

= *Information center*

- **Largest library for sciences and engineering in Belgium**
- **Substantial collection of electronic journals and databases**
  - *Carefully balanced acquisition policy*
  - *> 4000 "domain related" journals available on-line (11,000 for whole university)*
- **Actively maintained WWW-portal and in-house ICT developments**
- **Innovative computer network**
- **Partnership with external organizations, and management of their library collections**

Partners :

Campusbibliotheek Arenberg

= *Study center*

- **Unique architecture & ‘study landscape’**
- **High-tech of the 21st century in the quietness of a 16th-century environment**
- **More than 500 individual study seats**
- **300+ computer connections with Open Office / Star Office, WWW- en CWIS access**
- **Ca. 125 installed computer desks**
- **Meeting and discussion rooms**
- **Multimedia work spaces**
- **Video-conferencing and facilities for distance learning & teaching**

Partners :

V.Ir.F.L.

Campusbibliotheek Arenberg

= *High-Tech*

- **Special state-of-the-art computer network**
  - *e.g. "hot desking"*
- **Advanced multimedia- en video-conferencing facilities**
- **'*Team board* ' & '*white board* ' facilities at various locations**
- **RFID – radio frequency identification – for management and protection of collection**
- **"Locator" software**
- **Etc …**

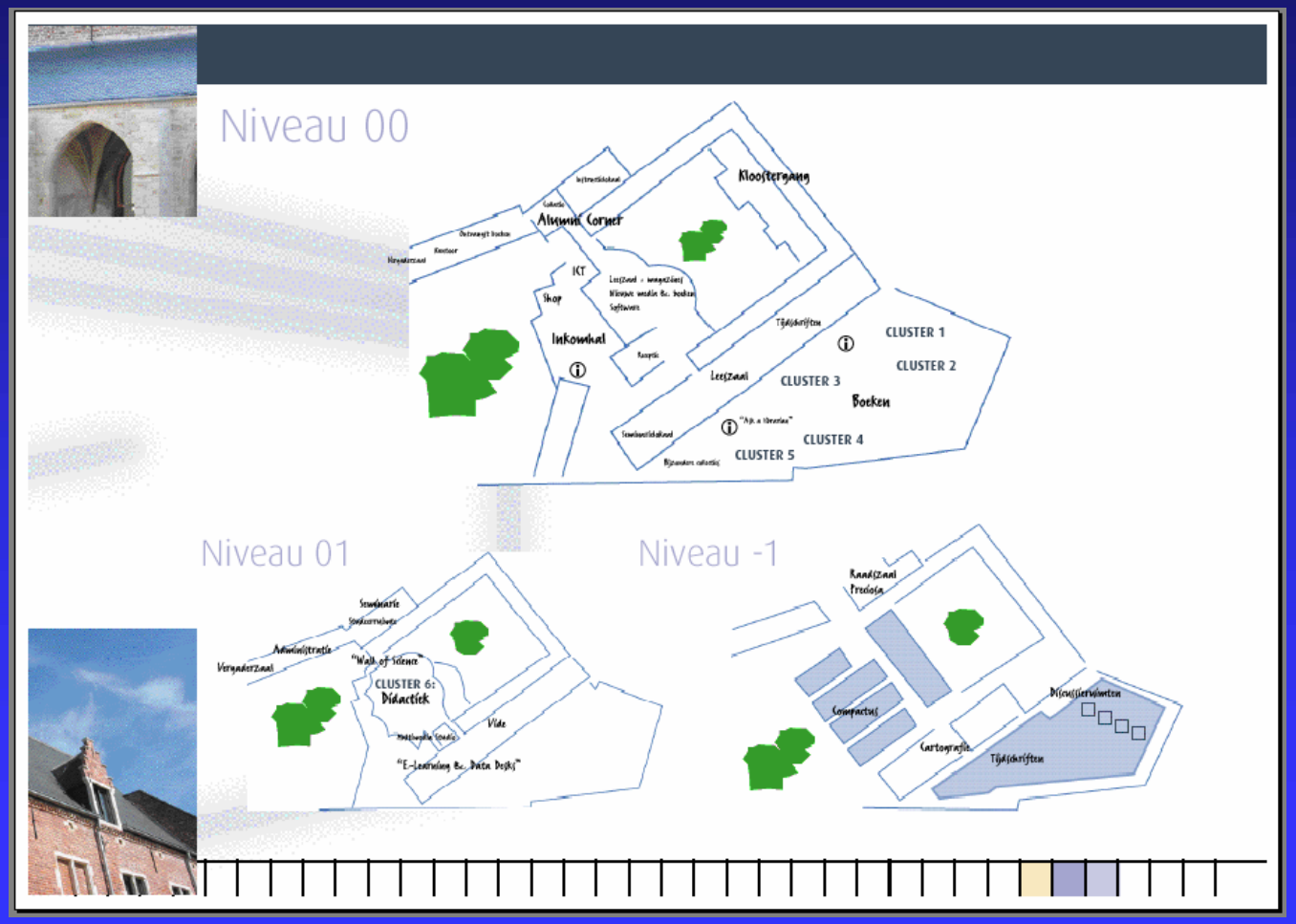
Partners :

Sun microsystems

BIBLIOTHECA RFID Library Solutions

BPP BUSINESS PRESENTATION PRODUCTS

CBA lay-out ...


Niveau 00
Kloostergang
Alumni Corner
ICT
Shop
Inkomhal
Leeszaal
Tijdschriften
CLUSTER 1
CLUSTER 2
CLUSTER 3
Boeken
CLUSTER 4
CLUSTER 5
Niveau 01
Secretariaat
Administratie
Vergaderzaal
"Walk of Science"
CLUSTER 6:
Didactiek
Vide
"E-Learning &.. Data Desk"
Niveau -1
Raadszaal
Preciosa
Compactus
Cartografie
Tijdschriften

http://localhost:8080/locator/browse_clusters.jsp - Microsoft Internet Explorer

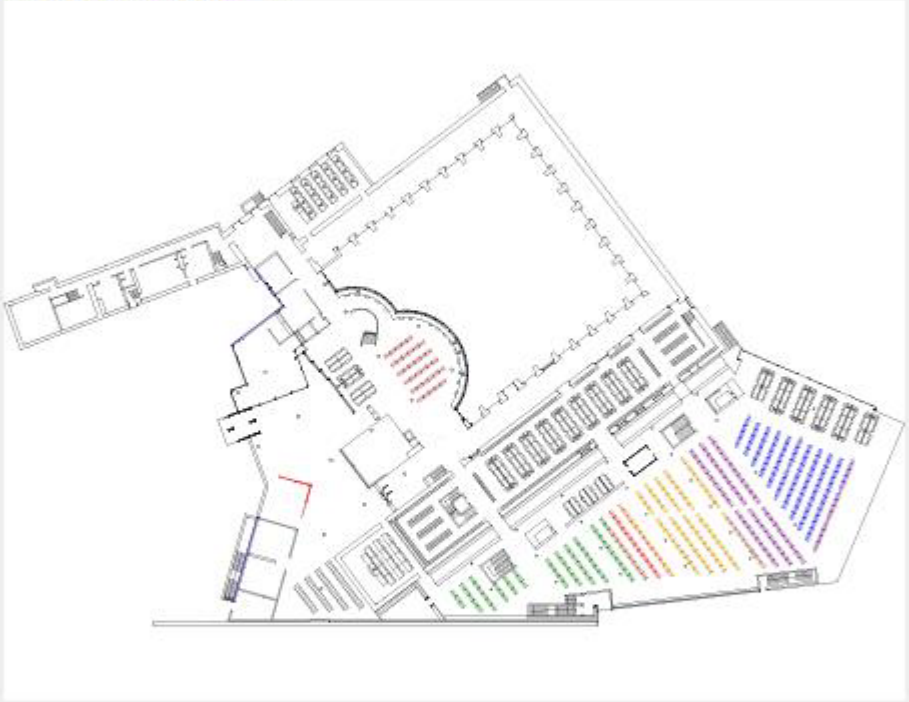
Bestand Bewerken Beeld Favorieten Extra Help

Vorige Zoeken Favorieten Media

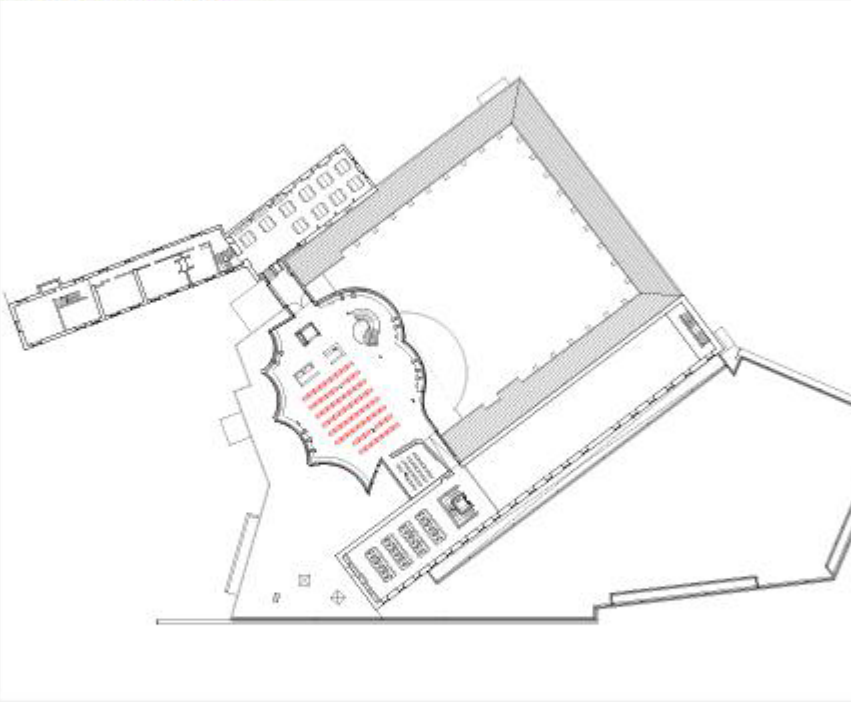
Adres http://localhost:8080/locator/browse_clusters.jsp Ga naar Kop

Startpagina | Bekijk Verdiepingen | Bekijk Clusters | cluster 1 | cluster 2 | cluster 3 | cluster 4 | cluster 5 | cluster 6 | Bekijk Tijdschriften | Zoek

Verdieping 0



Verdieping 1



Info Venster

(toon volgende cluster >>)

Hier verschijnt info over de clusters.
Welke de onderwerpen zijn die ze bevatten wordt onmiddellijk duidelijk gemaakt

Help Venster

Klik op het vraagteken voor meer informatie over het gebruik van d pagina

http://localhost:8080/locator/niv00.jsp - Microsoft Internet Explorer

Bestand Bewerken Beeld Favorieten Extra Help

Vorige Zoeken Favorieten Media

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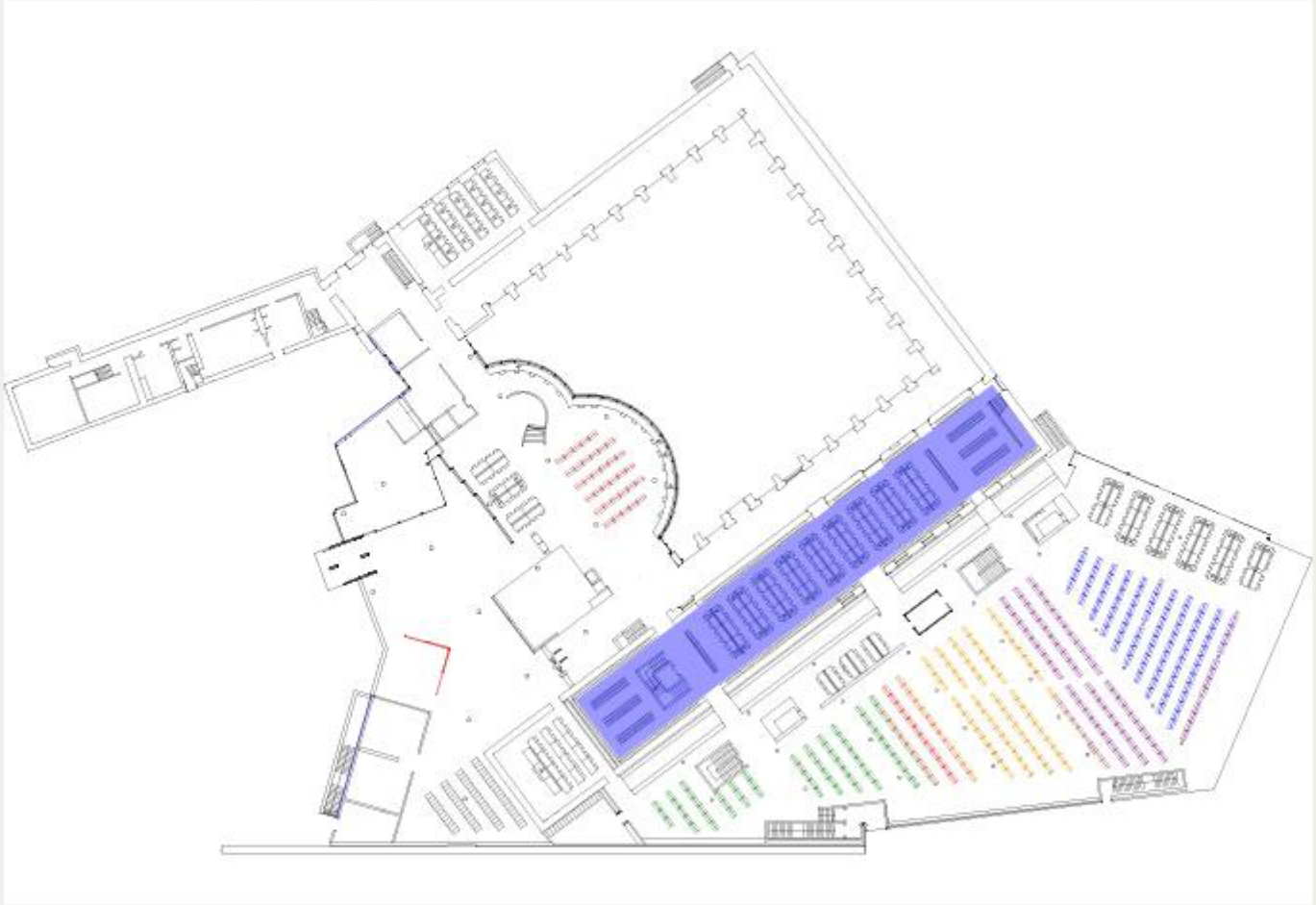
Startpagina | Bekijk Verdiepingen | Niveau 91 | Niveau 00 | Niveau 01 | Bekijk Clusters | Bekijk Tijdschriften | Zoek

CBA - Verdieping 00



Info Venster

Hieronder ziet u een lijst met de locaties. Klik op een locatie om te weten waar zich deze bevindt.

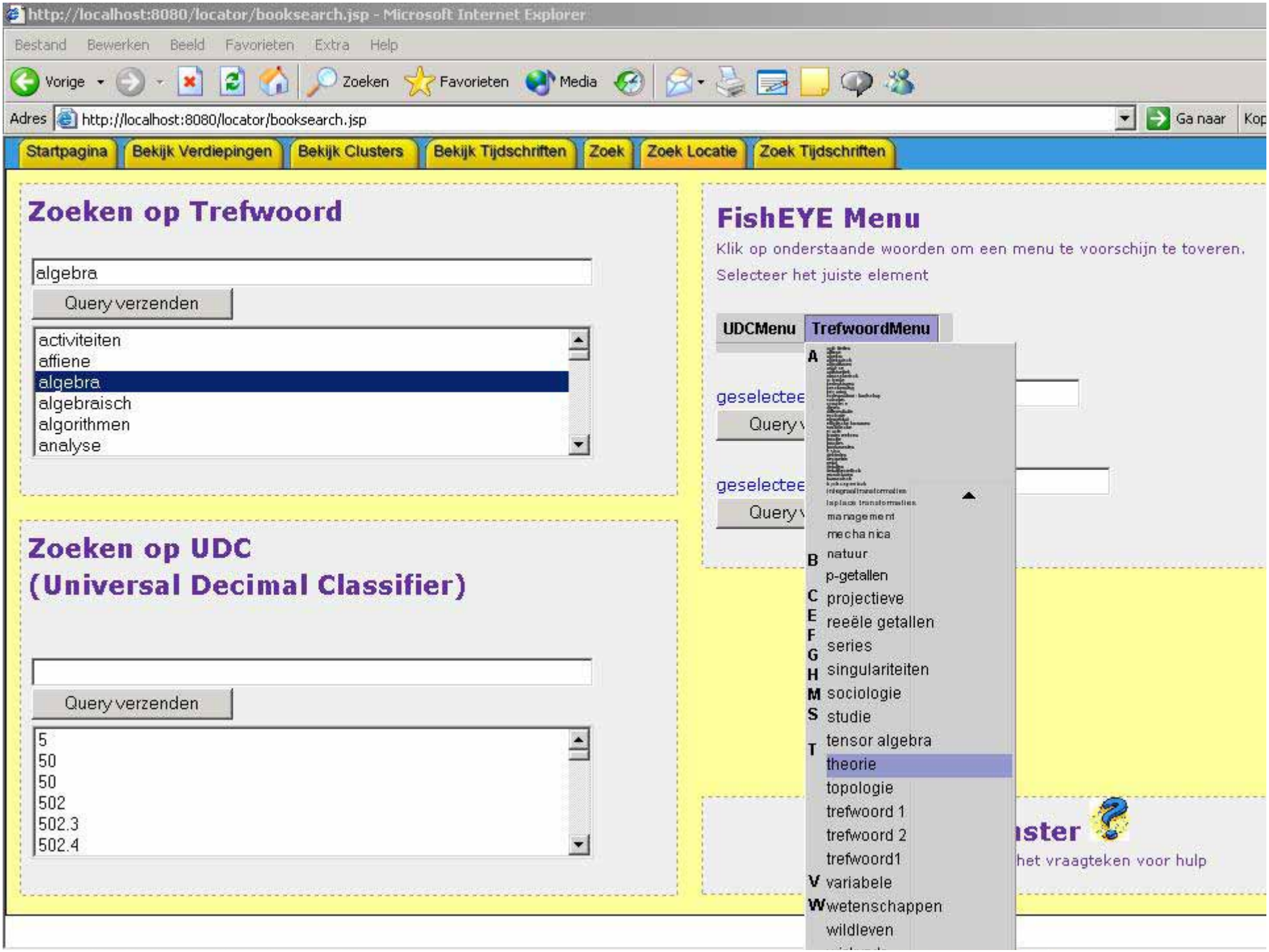
Locatie	Beschrijving
l0002	Inkomhal
l0048	Algemene Leeszaal
l0046	Balie receptie
l0003	Cafetaria
l0080	Lockers
l0059	Seminarielokaal
l0061	Balie cluster 3-5
l0016	Keuken
l0050	Grote leeszaal tijschriften

Grote leeszaal tijschriften informatie

Help Venster

Beweeg met de muis over het vraagte

voor hulp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Vorige
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Ga naar
Startpagina
Bekijk Verdiepingen
Bekijk Clusters
Bekijk Tijdschriften
Zoek
Zoek Locatie
Zoek Tijdschriften
Zoeken op Trefwoord
algebra
Query verzenden
activiteiten
affiene
algebra
algebraisch
algorithmen
analyse
Zoeken op UDC
(Universal Decimal Classifier)
Query verzenden
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502
502.3
502.4
FishEYE Menu
Klik op onderstaande woorden om een menu te voorschijn te toveren.
Selecteer het juiste element
UDCMenu
TrefwoordMenu
geselectee
Query
geselectee
Query
A
management
mechanica
B natuur
p-getallen
C projectieve
E reeële getallen
F
G series
H singulariteiten
M sociologie
S studie
T tensor algebra
theorie
topologie
trefwoord 1
trefwoord 2
trefwoord1
V variabele
W wetenschappen
wildleven
het vraagteken voor hulp

http://localhost:8080/locator/browse_clusters.jsp - Microsoft Internet Explorer

Bestand Bewerken Beeld Favorieten Extra Help

Vorige Zoeken Favorieten Media

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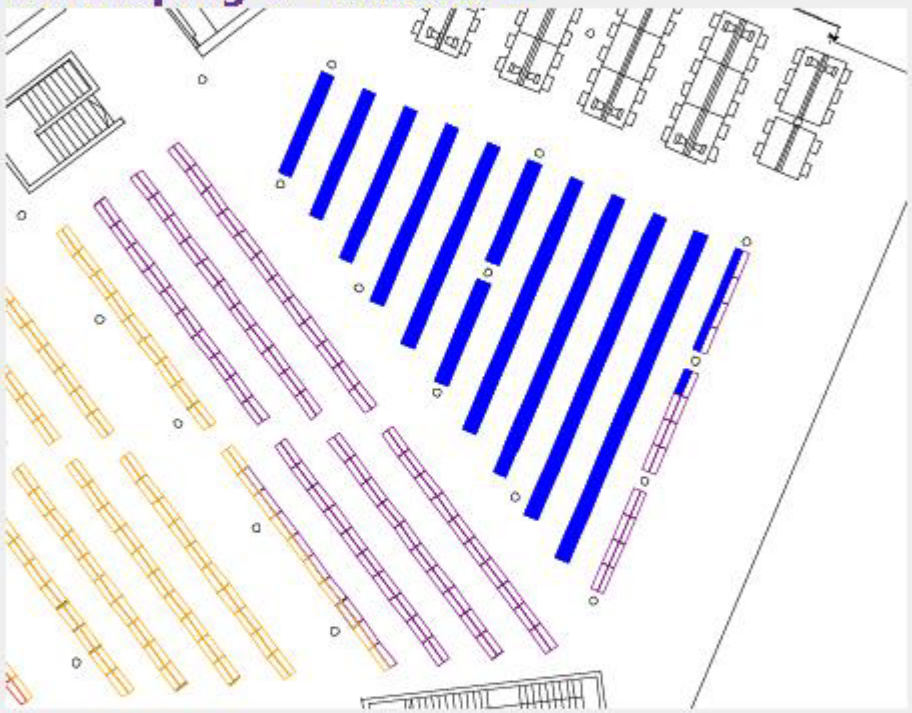
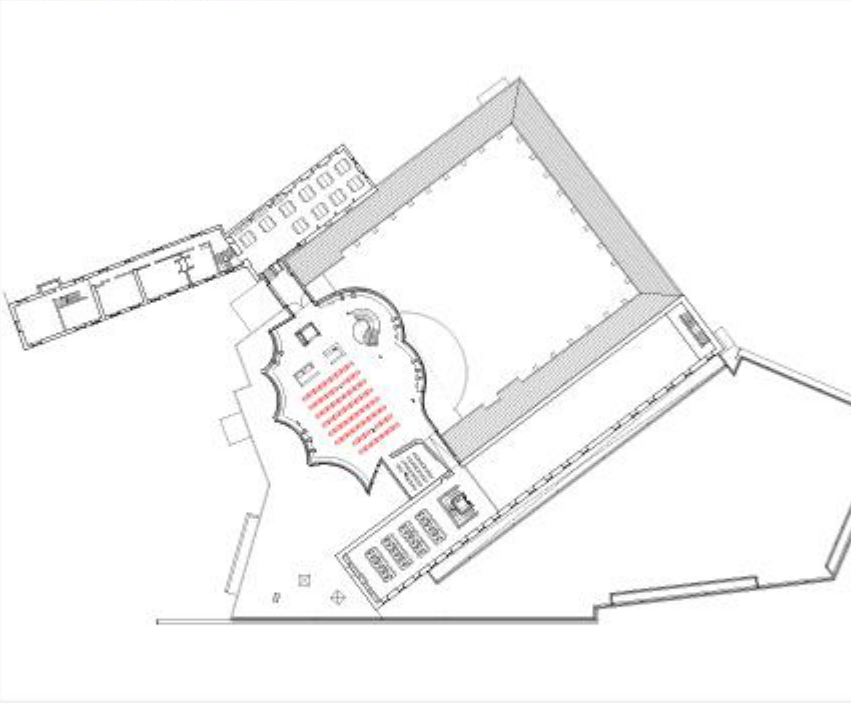
Startpagina | Bekijk Verdiepingen | Bekijk Clusters | cluster 1 | cluster 2 | cluster 3 | cluster 4 | cluster 5 | cluster 6 | Bekijk Tijdschriften | Zoek

Verdieping 0 - Cluster 1



Verdieping 1



Info Venster

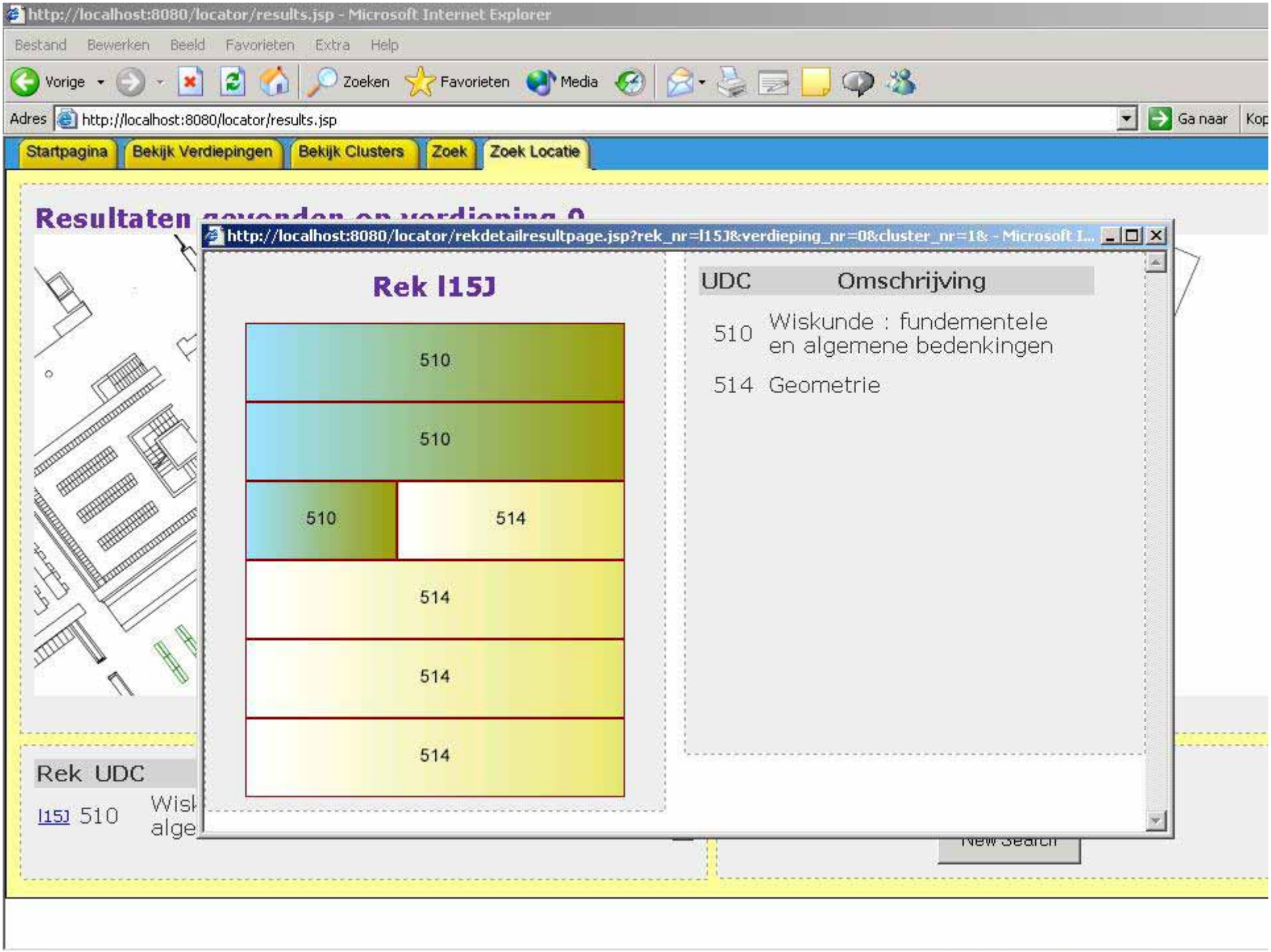
(toon volgende cluster >>)

Op dit moment ziet U cluster 1

Electrotechniek, Werktuigkunde, Wiskunde, Computerwetenschappen

Help Venster

Klik op het vraagteken voor meer informatie over het gebruik van d pagina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Ga naar
Startpagina
Bekijk Verdiepingen
Bekijk Clusters
Zoek
Zoek Locatie
Resultaten gevonden op verdieping 0
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Rek l15J
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514
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514
UDC Omschrijving
510 Wiskunde : fundementele en algemene bedenkingen
514 Geometrie
Rek UDC
l15J 510
New Search


LCD
MULTIMEDIA PROJECTOR


103

New acquisition policy

- Optimalization of journal collection through citation analysis:
  - analysis of citations in Master and PhD theses
  - selection of journals such that each department can find in the library (or on-line) the same percentage (50%) of its required source journals
  - same analysis is used as criterion to decide which volumes go to open and closed stacks
- Central budget on the level of the Exact Sciences Campus
  - partly from university funding
  - partly from research projects

- Analysis of the citations in more than 10.000 PhD and master theses
- Total number of analyzed citations runs over 500.000
- Sorted by journal title (or book, URL,...) and year; number of cited journals around 50.000
- High number of citations to a journal reflects its importance for the *local* research community! (More relevant than the ISI “impact parameter”)
- If number of citations decreases rapidly with time elapsed since publication, this means that the journal has a “short lifetime”. Older volumes can be put in closed stacks!

Journal Title	2000	99	98	97	96	94/9	92/9	90/9	86/8	80/8	<1980	ALL
Ann. CIRP		2	7	3	21	31	66	49	71	69	113	**432**
J. Sound Vib.		8		10	10	32	26	35	62	68	105	**356**
Int. J. Robot. Res.		3	1	2		23	29	23	132	87	0	**300**
Trans. ASME J. Dyn. Syst. Meas. Contr				4	5	14	41	45	49	70	23	**251**
J. Acoust. Soc. Am.		6	13	12	10	15	35	28	21	35	72	**247**
Manage. Sci.					2	6	8	9	68	56	96	**245**
AIAA J.			4	2	2	12	14	25	27	41	93	**220**
Eur. J. Oper. Res.				1	4	40	30	54	31	44	4	**208**
Int. J. Prod. Res.				4	3	35	14	11	44	64	23	**198**
J. Biomech.		8	2	1	4	16	12	26	47	49	33	**198**
IEEE Trans. Autom. Control	1		1	1	4	7	15	13	45	54	50	**191**
IEEE Trans. Robot. Autom.		1	3	4	16	15	28	39	50	1	0	**157**
Oper. Res.					1	10	8	8	37	21	58	**143**
AIIE Trans.			1		3	4	5	6	25	34	45	**123**
Trans. ASME J. Heat Transfer				3	2		2	8	13	31	46	**105**
Int. J. Heat Mass transfer					5	4	14	7	11	32	27	**100**
IEEE Trans. Syst. Man Cybern.						3	13	1	10	54	15	**96**
Trans. ASME J. Biomech. Eng.			1		2	4	3		20	43	19	**92**
Ind. Eng.						7	12	12	31	21	7	**90**
Harvard Bus. Rev.			1	2	1	9	18	8	22	12	15	**88**
Automatica			2	3		9	21	8	18	15	11	**87**
J. Manuf. Syst.				1	3	6	22	18	17	16	0	**83**
J. Oper. Res. soc.				1	3	9	15	4	19	23	8	**82**
Trans. ASME J. Appl. Mech.					1		1	5	7	12	55	**81**
Trans. ASME				1		4	10	4	6	17	35	**77**
Int. J. Numer. Methods Eng.				1	1	1	1	7	22	25	17	**75**
Ingenieursblad			2	1		14	7	8	24	6	12	**74**
IEEE J. Robot. Autom.							1	3	51	14	0	**69**