

# The Austrian Library Planning Model

Information use: Austria versus USA

# Overview

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# The Austrian Library Planning Model

## Information use: Austria versus USA

Population	8.2 mil.	301.1 mil.	(1:37)
Public universities	21	236	(1:11)
Students	200,000	4,000,000	(1:20)

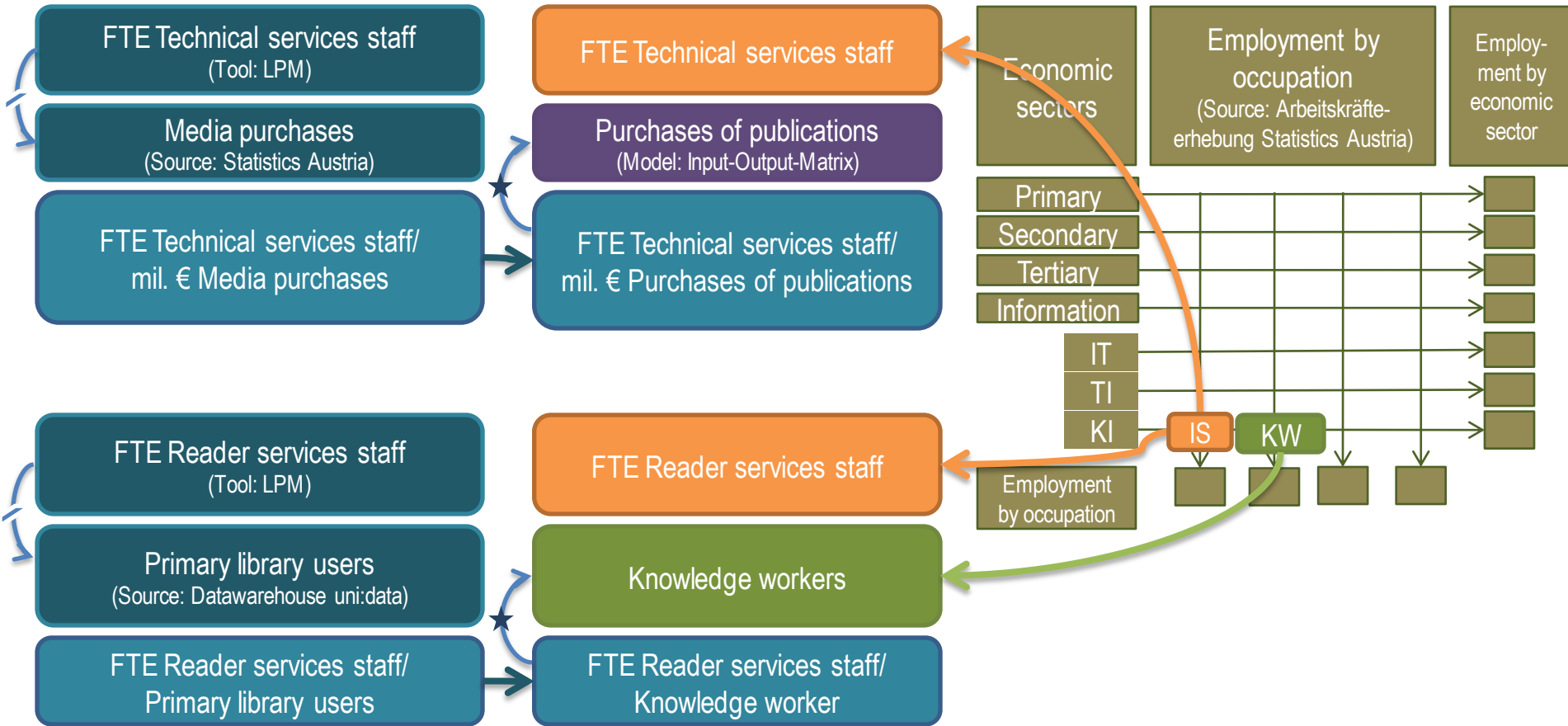
# 1 Introduction

- Project
  - Information management functions in Austrian knowledge industries
  
- Paper
  - Information management functions in libraries
  - Adaptations of the original LPM
  - Creation of Austrian average university library

INFORMATION MANAGEMENT  
FUNCTIONS  
Libraries

INFORMATION MANAGEMENT FUNCTIONS  
Knowledge industries

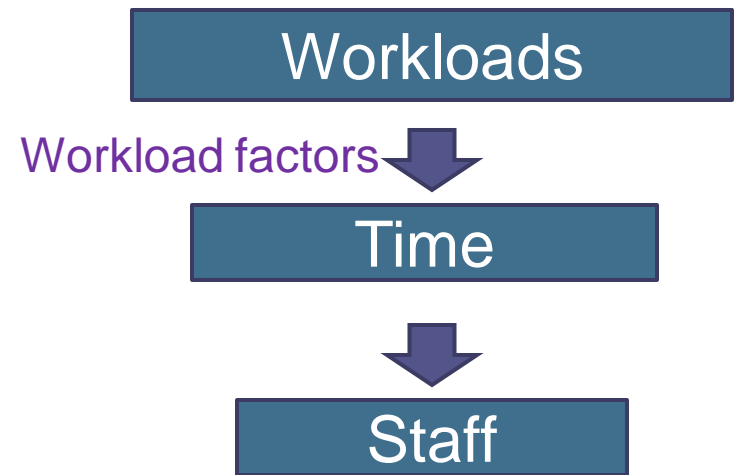
Knowledge workers and Information specialists  
(Tool: Industry Function Matrix)



IT = information technology industries ; TI = information transaction industries ; KI = knowledge industries  
IS = information specialists, KW = knowledge workers

## 2 Methodology LPM

- Input data - workloads
  - Number of students, faculty staff, general staff
  - Acquired library materials
  - holdings
- Output data – staff
  - Technical services staff
  - Reader services staff
  - (Circulation)
  - (Library visits)



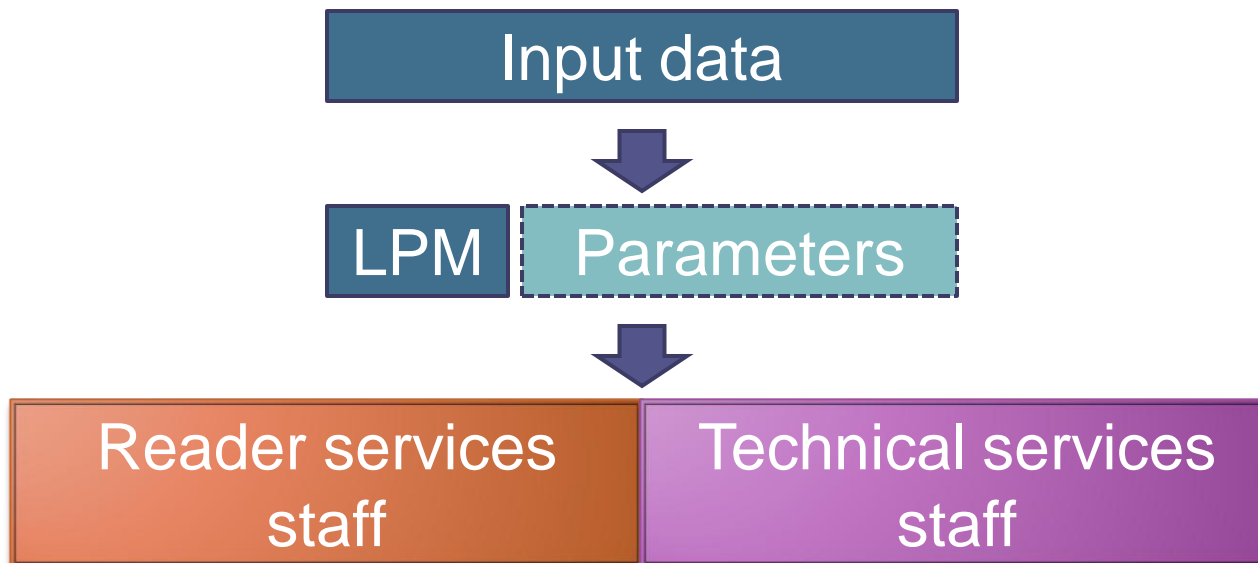
# 3 Data sources

- Austria
  - university & library data
    - uni:data - Ministry for Science and Research
    - library statistics - Statistics Austria
- United States
  - university and library data
    - National Center for Education Statistics (NCES)

## 4 General differences

- Historical differences
- University and library budgets
- Legal basis

# 5 Adaptations



# 5 Adaptations - circulation 1

LIBRARY	CIRCULATION LPM	ACTUAL CIRCULATION STATISTICS AUSTRIA	Circulation LPM/ Actual Circulation
University of Mining Leoben	27,386	14,788	1.85
Vienna University of Technology	206,068	114,323	1.80
Vienna University of Medicine	172,705	97,221	1.78
Graz University of Technology	114,080	64,912	1.76
Academy of Fine Arts Vienna	14,213	8,454	1.68
University of Linz	152,071	97,020	1.57
University of Music and Performing Arts Vienna	42,386	28,576	1.48
University of Natural Resources and Applied Life Sciences, Vienna	76,073	56,911	1.34
Vienna University of Economics and Business Administration	252,493	207,081	1.22
University of Graz	259,309	250,787	1.03
University of Music and Dramatic Arts Graz	22,212	23,477	0.95
University of Vienna	825,156	988,873	0.83
University of Veterinary Medicine Vienna	28,083	34,355	0.82
University of Innsbruck	295,978	375,444	0.79
University of Applied Arts Vienna	21,057	28,563	0.74
University of Art and Industrial Design Linz	12,570	17,329	0.73
University of Klagenfurt	61,274	99,612	0.62
University of Music and Dramatic Arts "Mozarteum" Salzburg	22,367	37,000	0.60
University of Salzburg	136,959	266,246	0.51
<b>AUSTRIAN AVERAGE UNIVERSITY LIBRARY</b>	<b>144,339</b>	<b>147,946</b>	<b>0.98</b>

0.98

## 5 Adaptations - circulation 2

- Graduates – undergraduates
- Similar circulation
- Conception of library
  - Closed versus open stack libraries
  - Centralized versus distributed management

# 5 Adaptations - staffing 1

LIBRARY	FTE LPM	ACTUAL FTE Statistics Austria	FTE LPM/ ACTUAL FTE
Vienna University of Medicine	58.4	26.1	2.24
Vienna University of Economics and Business Administration	76.4	45	1.70
University of Linz	63.1	45	1.40
Vienna University of Technology	68.4	52	1.32
University of Music and Performing Arts Vienna	15.6	12	1.30
University of Natural Resources and Applied Life Sciences, Vienna	28.7	24	1.19
University of Vienna	311.8	266.6	1.17
Graz University of Technology	41.8	37.5	1.11
University of Applied Arts Vienna	9.6	9	1.07
University of Music and Dramatic Arts Graz	11.1	11	1.01
University of Innsbruck	122.8	128.6	0.95
University of Veterinary Medicine Vienna	12.1	14	0.87
University of Graz	100.2	116	0.86
University of Music and Dramatic Arts "Mozarteum" Salzburg	9.7	12	0.81
University of Klagenfurt	32.0	40	0.80
University of Art and Industrial Design Linz	4.79	6	0.80
University of Salzburg	73.6	96	0.77
University of Mining Leoben	9.1	13.8	0.66
Academy of Fine Arts Vienna	6.2	10.5	0.59
<b>AUSTRIAN AVERAGE UNIVERSITY LIBRARY</b>	<b>55.5</b>	<b>50.8</b>	<b>1.09</b>

## 5. Adaptations - staffing 2

- Technical services staff quite close
- Reduction of reader services staff
- FTE librarians : students
  - 1:100 (US) vs. 1:200 (A)
- U.S. libraries generally better staffed

# 5. Adaptations - number of visits 1

LIBRARY	VISITS LPM	ACTUAL VISITS STATISTICS AUSTRIA	Visits LPM/ Actual visits
Academy of Fine Arts Vienna	53,208	15,500	3.43
Graz University of Technology	431,624	132,491*	3.26
University of Linz	588,917	246,810*	2.39
University of Mining Leoben	102,465	44,090	2.32
University of Veterinary Medicine Vienna	131,078	64,820	2.02
Vienna University of Technology	785,780	389,003	2.02
University of Innsbruck	1,123,169	758,887	1.48
Vienna University of Medicine	606,539	432,222	1.40
University of Natural Resources and Applied Life Sciences, Vienna	290,150	209,501	1.38
University of Vienna	3,191,161	2,412,701	1.32
University of Klagenfurt	230,403	189,716	1.21
University of Music and Dramatic Arts Graz	81,268	73,520	1.11
Vienna University of Economics and Business Administration	984,934	902,685	1.09
University of Salzburg	517,457	481,671	1.07
University of Applied Arts Vienna	78,532	86,472	0.91
<b>AUSTRIAN AVERAGE UNIVERSITY LIBRARY</b>	<b>613,112</b>	<b>429,339</b>	<b>1.43</b>

## 5 Adaptations - number of visits 2

- Visits LPM  $\neq$  Visits Statistics Austria
- Numbers not reliable
  - Decentralized structure
  - In many libraries no turnstile counts available
- Number of opening days & hours

## 6 Data uncertainties

- Faculty staff
  - Fully employed scientific & artistic university staff
  
- Student data
  - Ratio between graduate & undergraduate studies
  - Enrollment at different universities at the same time
  - Enrollment in different programs at the same time
  
- Library data
  - Library visits
  - Decentralized structure

# 7 Summary

According to LPM estimates the Austrian average university library has ...

- a different distribution of graduate and undergraduate library users
- similar circulation
- similar technical services staffing
- less reader services staffing
- probably less visits

... in comparison to an average university library in the United States

# 8 Outlook

- Integration of electronic resources
- Determining the extent of IM Functions in knowledge industries

