





### Establishing an IT Strategy: Experiences in a German University Medical Center

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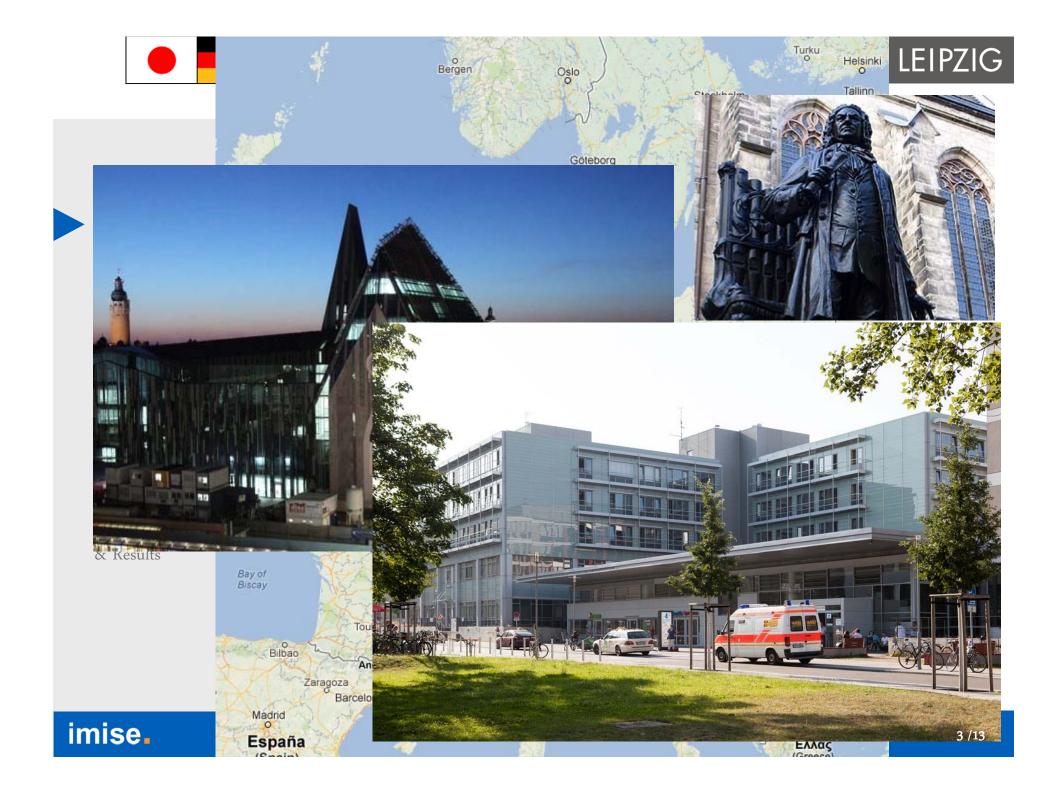
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	Establishing an IT Strategy: Experiences in a German University
	Medical Center
Leipzig University	
Experiences in Strategic IT-Planning	<ul> <li>Leipzig University Hospital and Medical School: A Typical German University Medical Center</li> <li>Experiences in Strategic IT Planning since 1996: Successes and Drawbacks</li> </ul>

- Strategic IT-Planning: Methods & Results
- Strategic IT Planning: Methods & Leipzig Results







	Leipzig University Hospital and Medical School: a typical German University Medical Center	
Leipzig University		
Experiences in Strategic	• 1450 Beds	
IT-Planning	• 51.790	Inpatients
	• 313.000	Outpatients
	• 3143 Studen	
Strategic IT-Planning: Methods	• 7	Departments
& Results	• 7	Research Institutes
	• 32	Operating Rooms
	• 51	Wards







		Experiences in Strategic IT Planning since 1996:		
		Successes and Drawbacks		
	Leipzig University			
	Experiences in Strategic IT-Planning	1996	clear awareness: Systematic HIS development needs Strategic IT Plan	
		1996	Strategic IT Plan University Hospital	
		2001	Strategic IT Plan University Hospital	
	Strategic IT-Planning: Methods & Results	2004	Strategic IT Plan Medical School	
		2005	Strategic IT Plan University Hospital	
		2012	working on joint Strategic IT Plan	

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## UNIVERSITÄT LEIPZIG

	Strategic IT Planning:		
	Methods <sup>1</sup> & Leipzig Results		
Leipzig University	1.	Strategic Goals of the Hospital and of Information	
Experiences in	eriences in Management		
Strategic	L		
IT-Planning		Leipzig: Top Goals of University Medical Center:	
		– Organizational Integration of University, Hospital and Medical School	
		– Economic strength	
Strategic		– Excellent Quality of Care, Research and Education	
IT-Planning: Methods		—	
& Results	2.	Description of the Current State of the Hospital Information	

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 Description of the Current State of the Hospital Information System



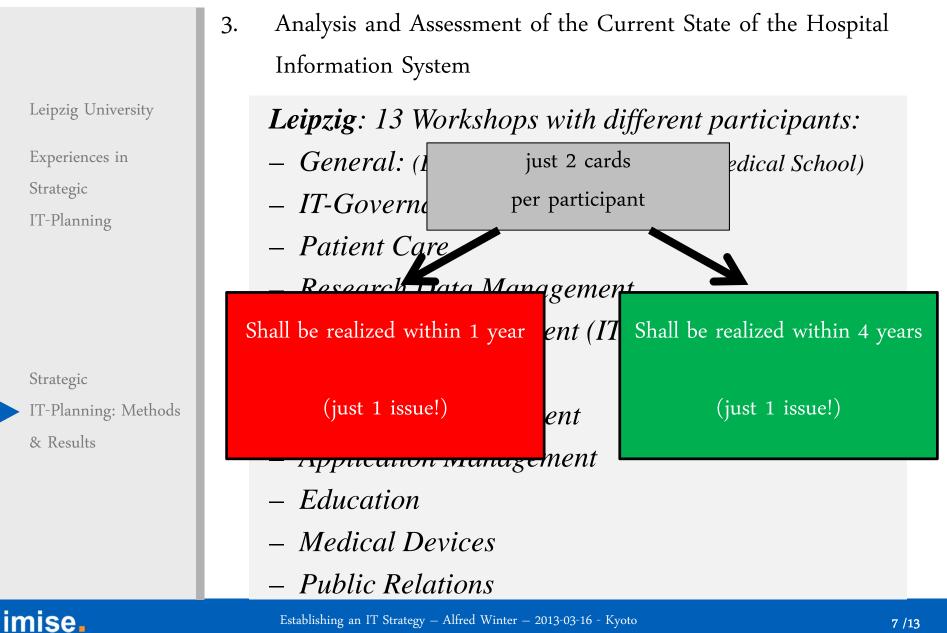
<sup>1</sup>Winter A, Haux R, Ammenwerth E, Brigl B, Hellrung N, Jahn F. Health Information Systems - Architectures and Strategies. London: Springer; 2011.

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	4. Description of the Planned State of the Hospital Information
	System
Leipzig University	Leipzig: Some principles:
Experiences in	– Data Privacy
Strategic	– Physical Infrastructure:
IT-Planning	– 1 hysicai mjrastraciare.
	<ul> <li>Server Virtualization &amp; Centralization</li> </ul>
	• Additional Storage as a Service, pay per Byte
	Network-Virtualization
C	to Help Integration of Research facilities
Strategic	
IT-Planning: Methods	<ul> <li>High Security Network for Patient Care</li> </ul>
& Results	– Logical Infrastructure (Applications)

- SAP Software: ERP- and EHR-System
- Software development if necessary

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noch LIMA einbauen Alfred Winter, 2013/03/06





Leipzig University

Experiences in

Strategic

IT-Planning

Strategic

IT-Planning: Methods

& Results

5. Migration Path from the Current to the Planned State

Leipzig: Top Projects

- eLearning Platforms
- eOrdering
- Inhouse Social Network platform
- Extension of WLAN
- Virtual Multi-Client Network Services
- Bring Your Own Device (BYOD)
- Centralized Image Management (one PACS for all)
- CPOE (incl. decision support)
- Medical Report Writing
- Presentation of scanned medical documents
- Digital Signatures





Leipzig University

Experiences in

Strategic

IT-Planning

Strategic

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IT-Planning: Methods

& Results

Migration Path from the Current to the Planned State (continued)

- Coaching instead of Instruction Courses
- Research Data Management (RDM)
  - infrastructure (research data mart, data ware house, pseudonymisation)
  - RDM group in IT-department
- ITSM and Service Catalogue
- Process Analyzing Group in IT-department
- Integrating Medical Devices into Hospital IT
- Integrating Phone into Hospital IT
- Mobile Devices for Patient Care and Facility Management.





Leipzig University

Experiences in

Strategic

IT-Planning

Strategic IT-Planning: Methods & Results

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