Qualifying Medical Librarians
for Current and Future Challenges

6th National Meet & Greet of Swiss Medical Librarians

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Bern, August 2018

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History and Motivation

✓ Starting point:
European plans for an international degree program in 'Medical Librarianship' to be realised by a British University have been cancelled due to Brexit.

✓ Demand for a further education degree program has been proven by an EAHIL survey under the guidance of Rudi Mumenthaler.

See for details: Mumenthaler, Rudolf: Results of the survey on further education for medical librarians. In: Journal of EAHIL 2017; Vol. 13 (1): p.4-9) and

https://ruedimumenthaler.ch/2017/03/24/ergebnisse-einer-umfrage-zur-weiterbildung-im-bereich-medizinbibliotheken/

✓ Search for a partner with both openness and expertise in Medical Librarianship and a well established further education Master program in LIS led to TH Köln, its MALIS-program / ZBIW, and ZB MED Cologne, Germany.
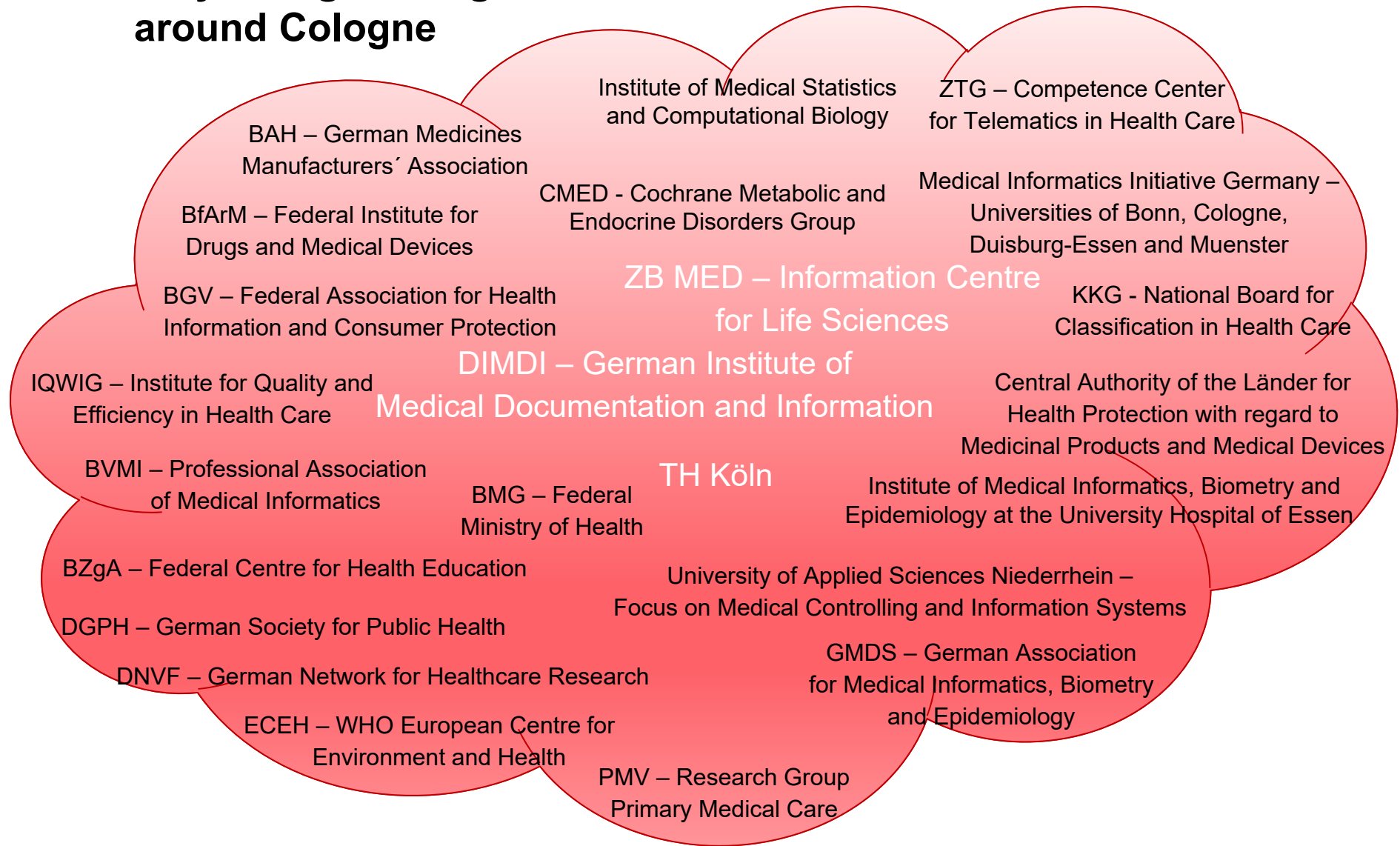
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TH Köln – University of Applied Sciences | ZB MED

✓ The subject range includes the fields of Applied Natural Sciences; Architecture and Construction; Information and Communication; Computer Science; Engineering; Culture; Society and Social Sciences as well as Business Studies.

✓ More than 90 degree programs (Bachelor and Master) are offered as full-time or part-time programs.

✓ Overall 26.000 students from about 120 different countries, 430 professors and 1.400 staff.

✓ As a place where research based learning and academic education take place, the university nurtures prospective scholars through cooperative dissertations.

✓ TH Köln puts emphasis on quality in advanced academic training and promotes competencies as well as personal and professional development through a variety of programs offered to those who are interested in further education.

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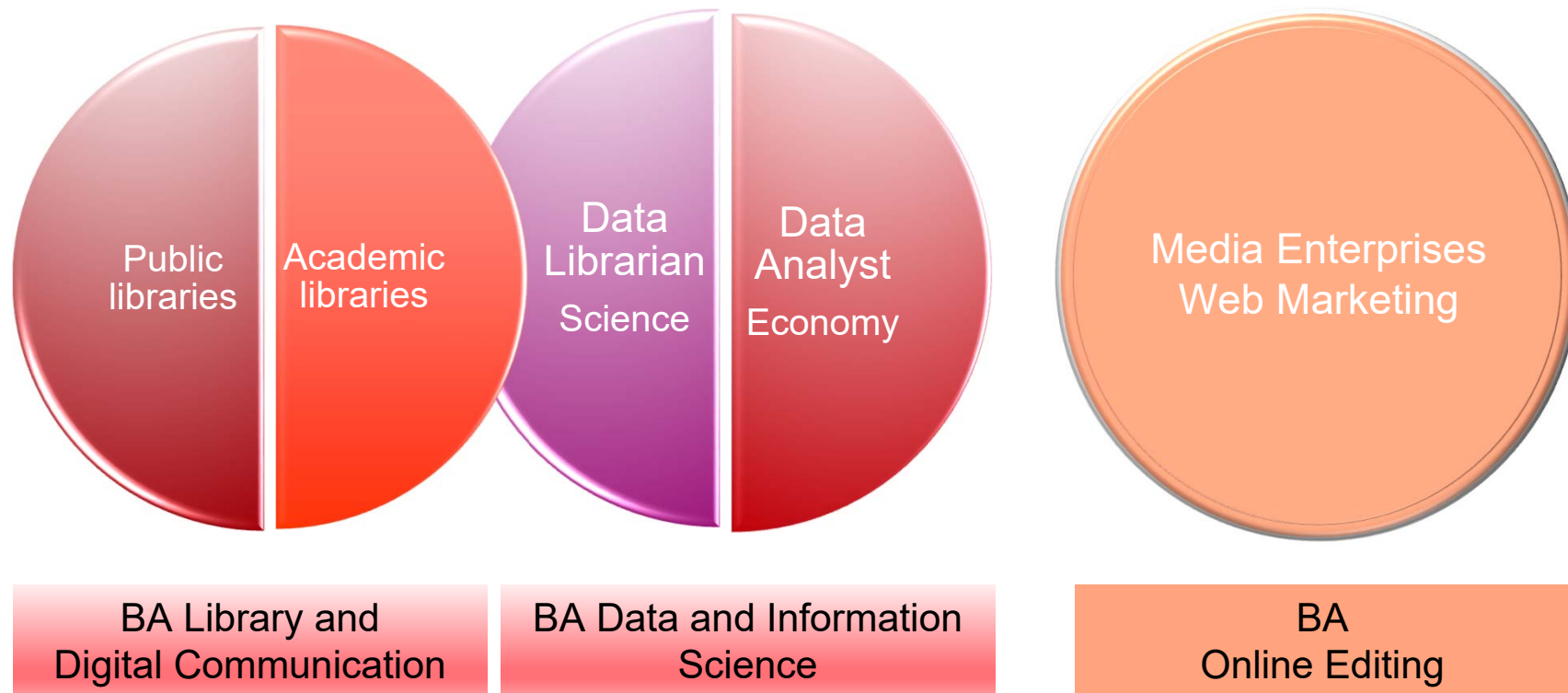
ZB MED – Information Centre for Life Sciences | TH Köln

✓ Central provider for literature in Germany for the topics Medicine, Health, Nutrition, Biology, and Agriculture

✓ Since 2018 with two new directors (managing and scientific)

✓ Since May 2018 two joint professors together with University of Cologne and TH Köln; soon a third professor together with University of Bonn

✓ Around 130 employees

✓ Highlights: the smart search portal LIVIVO and the open access publication platform PUBLISSO

✓ Provides several services including improving access, metadata, catalogue enrichment, digital preservation, intelligent retrieval

✓ New research and training program (including Library Carpentry) underway

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Why Cologne? Organizations in the Field of Medicine around Cologne

Institute of Medical Statistics and Computational Biology

ZTG – Competence Center for Telematics in Health Care

BAH – German Medicines Manufacturers´ Association

CMED - Cochrane Metabolic and Endocrine Disorders Group

Medical Informatics Initiative Germany – Universities of Bonn, Cologne, Duisburg-Essen and Muenster

BfArM – Federal Institute for Drugs and Medical Devices

ZB MED – Information Centre for Life Sciences

KKG - National Board for Classification in Health Care

BGV – Federal Association for Health Information and Consumer Protection

DIMDI – German Institute of Medical Documentation and Information

IQWIG – Institute for Quality and Efficiency in Health Care

Central Authority of the Länder for Health Protection with regard to Medicinal Products and Medical Devices

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BVMI – Professional Association of Medical Informatics

BMG – Federal Ministry of Health

Institute of Medical Informatics, Biometry and Epidemiology at the University Hospital of Essen

BZgA – Federal Centre for Health Education

University of Applied Sciences Niederrhein – Focus on Medical Controlling and Information Systems

DGPH – German Society for Public Health

GMDS – German Association for Medical Informatics, Biometry and Epidemiology

DNVF – German Network for Healthcare Research

ECEH – WHO European Centre for Environment and Health

PMV – Research Group Primary Medical Care

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Institute of Information Science – TH Köln: Bachelor

Students and Staff: 900 Students | 23 Professors | 13 Research Assistants

Public libraries | Academic libraries

Data Librarian Science | Data Analyst Economy

Media Enterprises Web Marketing

BA Library and Digital Communication

BA Data and Information Science

BA Online Editing

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Institute of Information Science – TH Köln: Master Programs

Part-time study:
MALIS – Master in
Library and
Information Science

Consecutive Master:
Market and
Media Research

continuing education;
study program held
parallel to professional
employment, combining
brief on-site lectures with
e-learning modules;
CILIP accreditation

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MALIS Concept – Qualification Objectives

Participants of the program will acquire the following key competencies:

✓ Professional management of institutions providing access to information and information services

✓ Strategic development of innovative information services

✓ International knowledge management

✓ Assessment and implementation of target group-specific subject indexing of information resources

✓ Assessment and development of solutions for the optimisation of information processes

✓ Library and information policy skills

✓ Classification, assessment and anticipation of informational developments in the context of social and media-related developments

✓ Ability to participate in professional discussions on current developments based on scientifically sound knowledge and specific practical experience

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MALIS Concept

General key qualifications

✓ Communicative competence
  (conducting negotiations, communication in situations of conflict)

✓ Presentation (rhetorical skills and techniques)

✓ Cooperation and teamwork

✓ Project management

Summing up

Graduates of the program acquire up-to-date knowledge about current trends and developments in the fields information services, information literacy, information technology, as well as information indexing and information law.

Further details: www.malis.th-koeln.de/ or

https://www.th-koeln.de/en/academics/library-and-information-science--program-content_26707.php

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The ZBIW

- ✓ ZBIW is the Centre of Further Education and Training in Library and Information Science of TH Köln, Institute of Information Science.

- ✓ Nationwide provider of further education in LIS with regional focus on North Rhine Westfalia – by official mandate of the federal state.

- ✓ More than 20 years experience in further education in LIS – especially academic libraries.

- ✓ University institution since more than 10 years: Availability of teachers who have depth of knowledge and experience of current subjects, teaching and learning.

- ✓ Extensive experience in organisation and offering of various forms of continuing education.

- ✓ International networking and long-term personal relationships of professors of the Institute for Information Science.

- ✓ Cooperation with „BIS – Schweiz".

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ZBIW – ISO-Certification

In Germany, in August 2016, the ZBIW was the first institution in further education in LIS which has obtained the ISO 9001:2015 and ISO 29990:2010 certification.

✓ **ISO 9001** is the most comprehensive ISO norm in scope.
It focuses on confirming process conformance from the initial development of a product / service. ISO, 2015

✓ The **ISO 29990** standard aims to improve quality of learning services for non-formal education and training. ISO, 2010

The basic requirements for service providers will enhance transparency and allow comparison on a worldwide basis of learning / continuing education services. One of the results: an approved evaluation procedure.
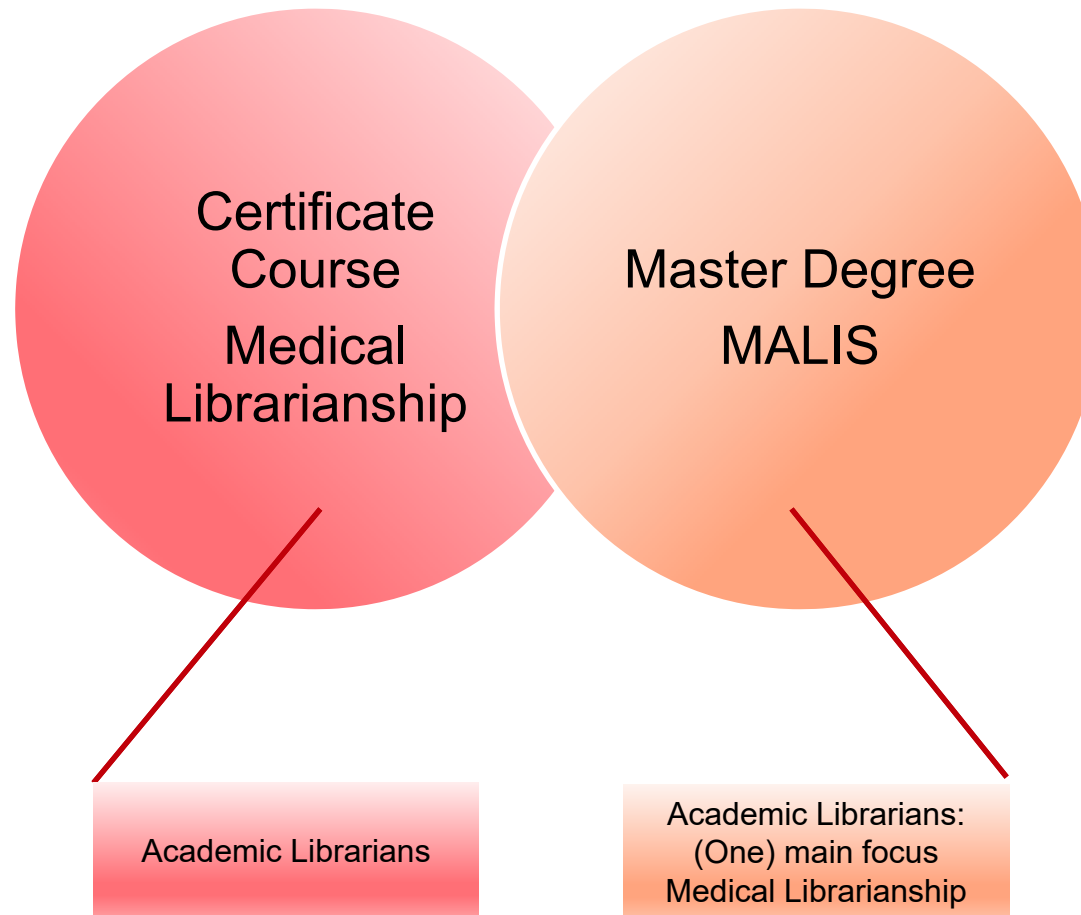
Further details: https://www.th-koeln.de/weiterbildung/zbiw_5865.php

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Requirements for a Program on
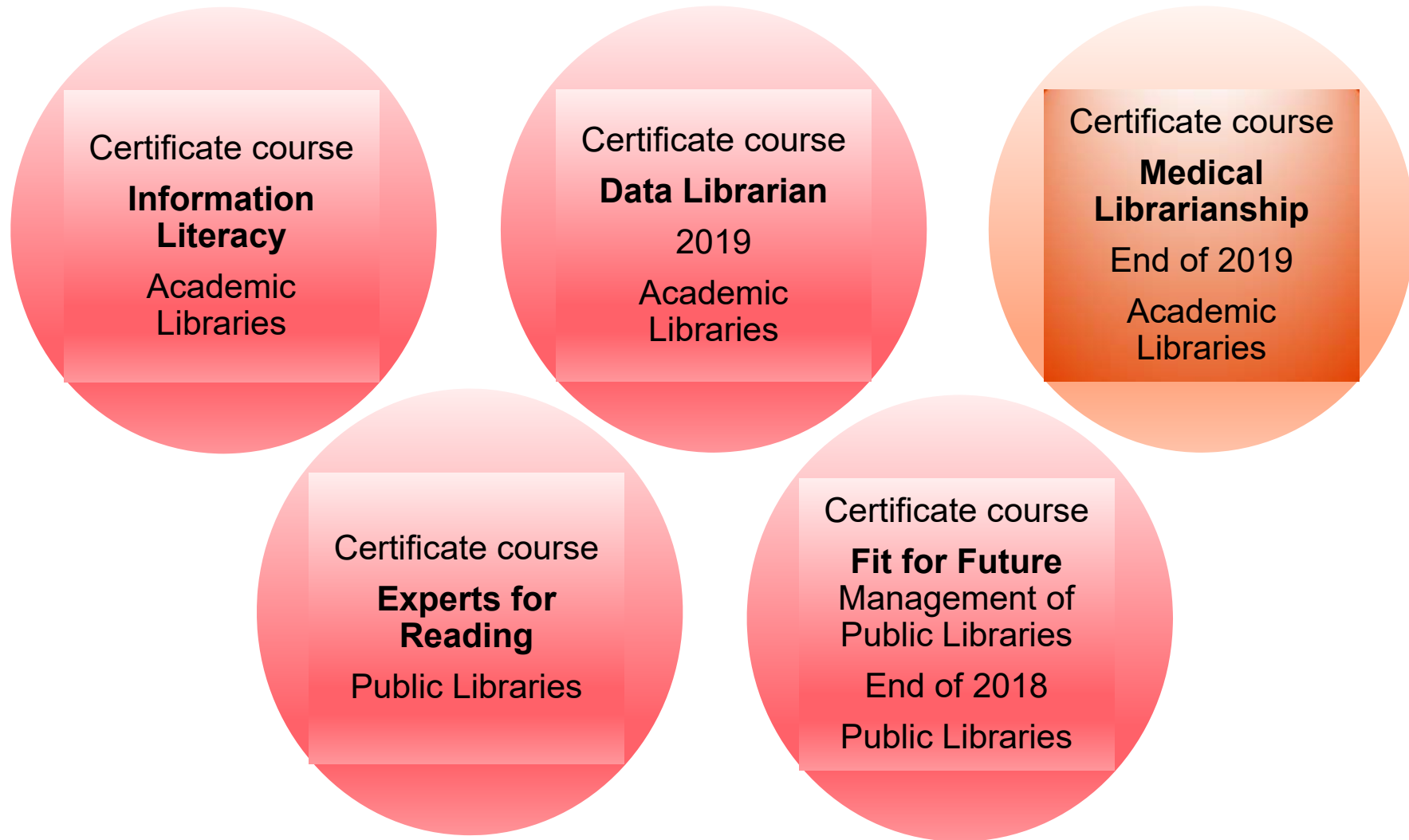
Qualification and Training of Medical Librarians

✓ International Offering

✓ Language English

✓ Form of educational program: master´s degree and/or specific courses with diploma

✓ Standard module(s) online and/or intensive class (blended learning)

✓ Most importants topics:
Knowledge management, scholary publishing, databases, e-resources, marketing and information services, information literacy, trends in MLIS etc.

✓ Additionally specific topics in the context of Evidence Based Medicine

Survey by Mumenthaler / Bissels / Anagnostelis 2017

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Further Education in Medical Librarianship Cologne

Certificate Course Medical Librarianship

Master Degree MALIS

Academic Librarians

Academic Librarians: (One) main focus Medical Librarianship

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ZBIW – Ranges of Certificate Courses

Certificate course **Information Literacy** Academic Libraries

Certificate course **Data Librarian** 2019 Academic Libraries

Certificate course **Medical Librarianship** End of 2019 Academic Libraries

Certificate course **Experts for Reading** Public Libraries

Certificate course **Fit for Future** Management of Public Libraries End of 2018 Public Libraries

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Certificate Courses: Benefits

✓ Summarising basic and current knowledge in a clearly defined and delimited subject area in a brief time frame.

✓ Training and professional experience background in specialised fields with a theoretical and practical foundation of university standard: concepts with scientific basis *and* practical relevance.

✓ Covering integrative consecutive training: the content can immediately be used in everyday practice and constitute added value even during training.

✓ Participants expand what they have learnt in practice with colleagues between phases of personal attendance (blended learning).

✓ Nationally and international recognising certificates attesting to successfully passing a university course. The ECTS permit the awarding of credits in any subsequent university degree course of study.

✓ Flexible integration in an overall lifelong learning process with modern teaching and learning methods: Blended-learning, Flipped Classroom etc.

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Timeline Certificate Course „Medical Librarianship"
in Cooperation with Swiss Experts from HTW Chur

Autumn 2018
- Evaluation of the international survey
- Carrying out a survey in Germany: demand and topics

Winter 2018/2019
- Planning the structure and calculating the costs of the certificate course: full-cost accounting
- Recruitment of teaching staff

Spring 2019
- Learning content and outcomes, type of examination per module
- Coordination of course concept

Summer 2019
- Start international marketing / Assessment
- Module description / finalising teaching and examination organisation

Autumn / Winter 2019
- Start certificate course
- Ongoing evaluation

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Continuing Education in Medical Information Cologne
Integration and Transformation of Certificate Course to MALIS

Optional modules (WP1 and WP2) - topics to choose from:
T1: Academic services (support for teaching and reserach)/subject librarianship
T2: Strategic positioning of public libraries
T3: E-science and research data management
T4: Digitisation and preservation
T5: Legal and ethical issues in practice
T6: Teaching information literacy
T7: Current trends in science policy
T8: Organizational concepts in library building and design
T9: Current trends and developments

MALIS
Master in Library and Information Science

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4th semester

	Module PP	Module MAT	4th semester
	PRACTICAL PROJECT Sub-module PP2 Project presentation (not graded)	MASTER'S THESIS (incl. colloquium)	
CP	2	24	26
WL	50	600	650
%	0	25	25

3rd semester

	Module PP	Module MGT3	Module WP1	Module WP2	3rd semester
	PRACTICAL PROJECT Sub-module PP1 Project	MANAGEMENT 3	OPTIONAL MODULE 1	OPTIONAL MODULE 2	
CP	8	4	4	4	20
WL	200	120	120	120	560
%	10	5	5	5	25

2nd semester

	Module ORG	Module MGT2	Module BIG2	Module MD2	Module IDL2	Module IT2	2nd semester
	ORGANISATION Sub-module ORG2 Project management (not graded)	MANAGEMENT 2	LIBRARY – INFORMATION – SOCIETY 2	METADATA 2	INFORMATION RESOURCES AND INFORMATION SERVICES 2	INFORMATION TECHNOLOGY 2	
CP	2	4	4	4	4	4	22
WL	60	120	120	120	120	120	660
%	0	5	5	5	5	5	25

1st semester

	Module ORG	Module MGT1	Module BIG1	Module MD1	Module IDL1	Module IT1	1st semester
	ORGANISATION Sub-module ORG1 E-learning (not graded)	MANAGEMENT 1	LIBRARY – INFORMATION – SOCIETY 1	METADATA 1	INFORMATION RESOURCES AND INFORMATION SERVICES 1	INFORMATION TECHNOLOGY 1	
CP	2	4	4	4	4	4	22
WL	60	120	120	120	120	120	660
%	0	5	5	5	5	5	25

Assessment procedure prior to commencement of studies (30 CP)	30

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Continuing Education in Medical Information Cologne
Integration and Transformation of Certificate Course to MALIS

4th semester	Module PP	Module MAT	semester	Optional modules (WP1 and WP2) - topics to choose from:
	RACTICAL PROJEC Sub-module PP2 Project presentation (not graded)	MASTER'S THESIS (incl. colloquium)		T1: Academic services (support for teaching and reserach)/subject librarianship T2: Strategic positioning of public libraries T3: E-science and research data management T4: Digitisation and preservation
CP	2	24	26	T6: Teaching information literacy
WL	50	600	650	T7: Current trends in science policy
%	0	25	25	T8: Organizational concepts in library building and design T9: Current trends and developments

3rd semester	Module PP	Module MGT3	Module WP1	Module WP2	mester
	RACTICAL PROJEC Sub-module PP1 Project	MANAGEMENT 3	OPTIONAL MODULE 1	OPTIONAL MODULE	
CP	8	4	4	4	20
WL	200	120	120	120	560
%	10	5	5	5	25

Content of Certificate Course
Medical Librarianship
replacing moduls of MALIS program

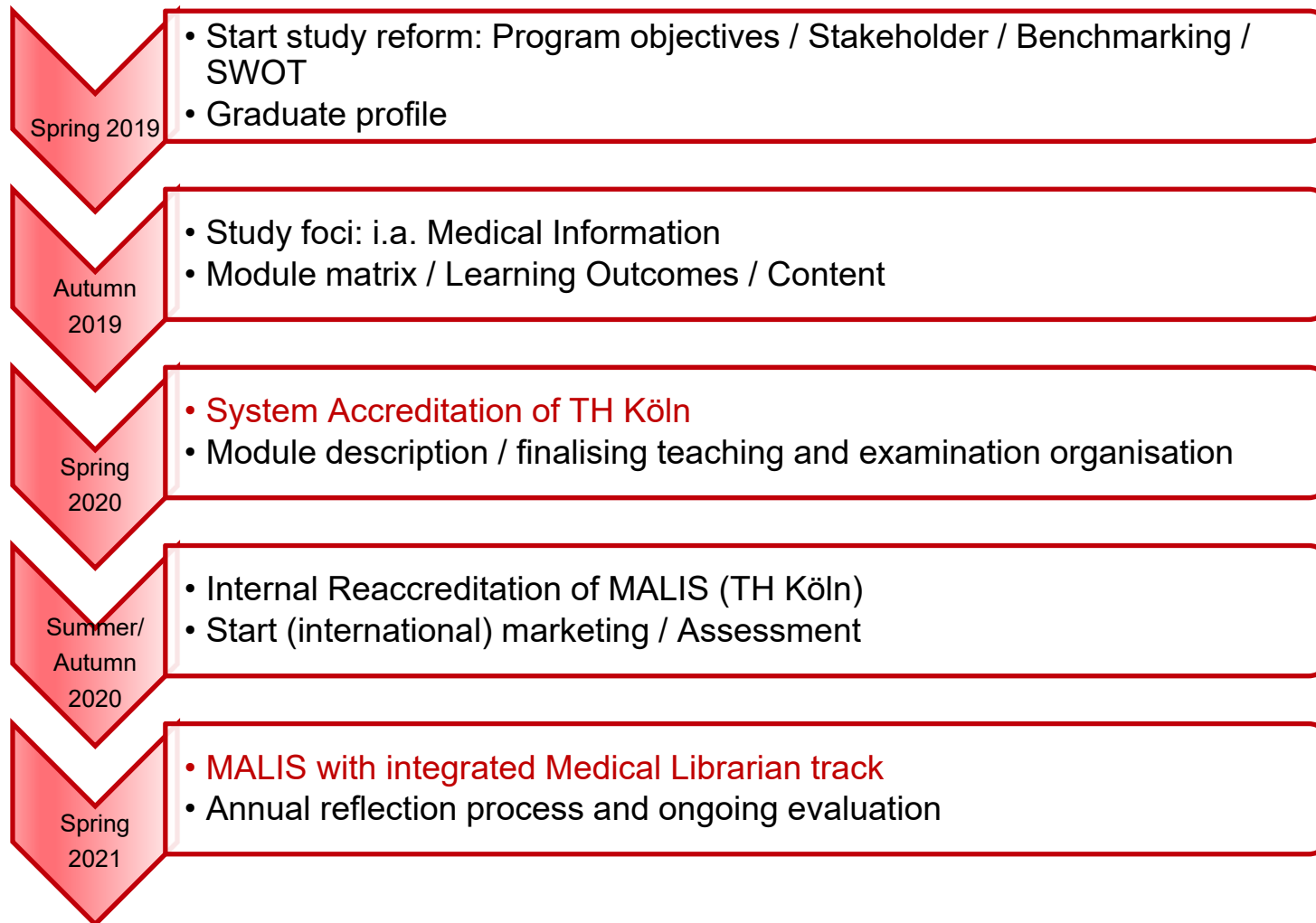| 2nd semester	Module ORG	Module MGT2	Module BIG2	Module MD2	Module IDL2	Module IT2	2nd semester
	ORGANISATION Sub-module ORG2 Project management (not graded)	MANAGEMENT 2	LIBRARY – INFORMATION – SOCIETY 2	METADATA 2	INFORMATION RESOURCES AND INFORMATION SERVICES 2	INFORMATION TECHNOLOGY 2	
CP	2	4	4	4	4	4	22
WL	60	120	120	120	120	120	660
%	0	5	5	5	5	5	25

1st semester	Module ORG	Module MGT1	Module BIG1	Module MD1	Module IDL1	Module IT1	1st semester
	ORGANISATION Sub-module ORG1 E-learning (not graded)	MANAGEMENT 1	LIBRARY – INFORMATION – SOCIETY 1	METADATA 1	INFORMATION RESOURCES AND INFORMATION SERVICES 1	INFORMATION TECHNOLOGY 1	
CP	2	4	4	4	4	4	22
WL	60	120	120	120	120	120	660
%	0	5	5	5	5	5	25

Assessment procedure prior to commencement of studies (30 CP)	30

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Timeline Master in Library and Information Science (MALIS) integrating a Medical Librarian track

Spring 2019
- Start study reform: Program objectives / Stakeholder / Benchmarking / SWOT
- Graduate profile

Autumn 2019
- Study foci: i.a. Medical Information
- Module matrix / Learning Outcomes / Content

Spring 2020
- System Accreditation of TH Köln
- Module description / finalising teaching and examination organisation

Summer/ Autumn 2020
- Internal Reaccreditation of MALIS (TH Köln)
- Start (international) marketing / Assessment

Spring 2021
- MALIS with integrated Medical Librarian track
- Annual reflection process and ongoing evaluation

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Thank you very much
for your attention!

Questions?

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