

➤ Welcoming MSc E-Government Students at University Koblenz

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<https://www.uni-koblenz.de/agvinf>

Who we are ...



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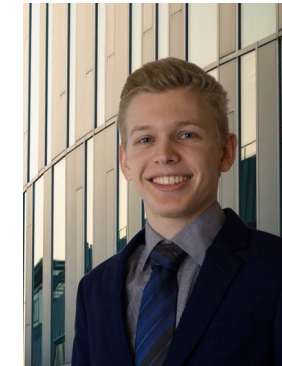
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Secretary: **Nicole Heinzen**, +49 261 287-2648

Research Group E-Government

Head of Research Group Electronic Government

- Prof. Dr. Maria A. Wimmer



Part of Faculty 4: Computer Science



Part of Institute for Information Systems Research

- Research Group Process Science (Prof. Dr. Delfmann)
- Research Group IT-Security and Data Security (Prof. Dr. Mauthe)
- Research Group Smart Data (JProf. Dr. Riehle)
- Research Group Business Software (Prof. Dr. Schubert)
- Research Group Enterprise Information Management (Prof. Dr. Williams)
- Research Group Electronic (E-) Government (Prof. Dr. Wimmer)

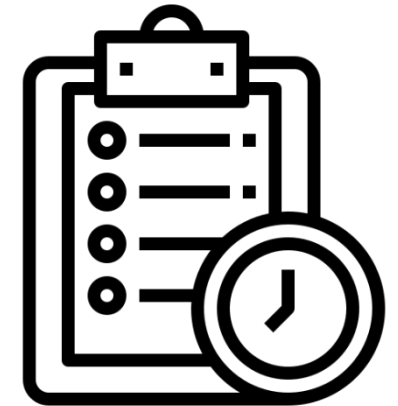


And who are you?

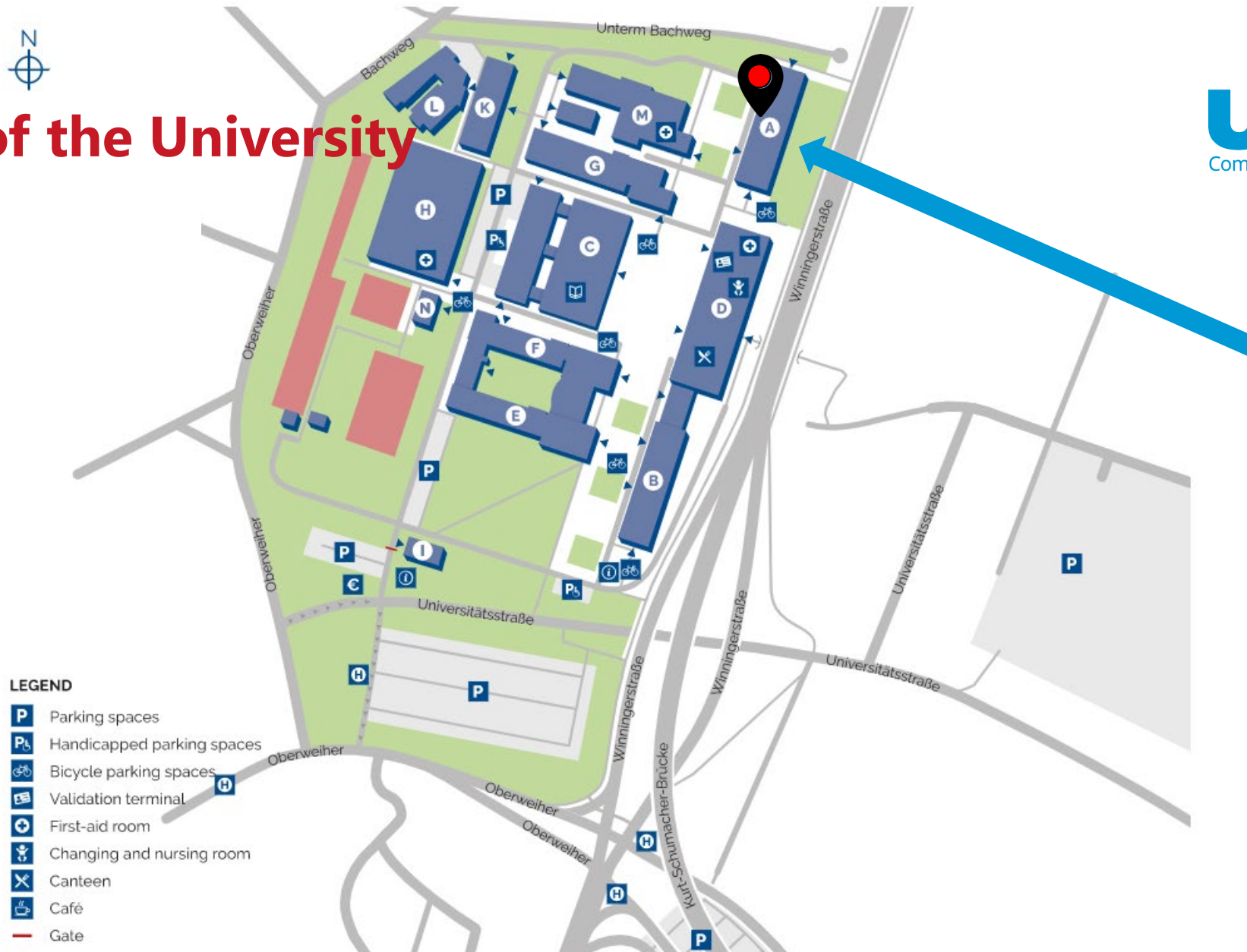


Agenda

- ❖ Research Group E-Government
- ❖ Curriculum Master E-Government
- ❖ Do's and Don'ts
- ❖ Organisational issues



Map of the University



You will find our offices here!

You want / need to talk to us? Note that we do not have fixed consultation hours. Drop us an e-mail for an appointment.

Team of the Research Group E-Government

Chair: Prof. Dr. Maria A. Wimmer

Secretariat: Nicole Heinzen

Hon.-Prof.: Dr. habil Andreas Engel

Student staff:

Asel Albalkhi
Ali Al Masri
Elaheh Aminlou
Sankalp Biyani
Leon Catak
Anchal Dua
Christoph Eckart
Jonas Gräf
Matthias Hartmann

Riya Lenz
Richard Luks (till 4/25)
Cedric Pauken (till 4/25)
Navid Sarmadi
Ali Siah
Jan Zimmermann
Lemeana Zupcevic

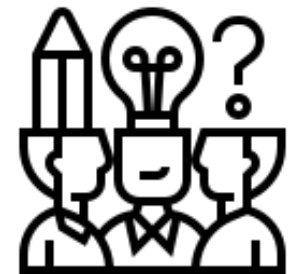
Scientific staff:

David Acev
Kim Ballmes
Dr. Ali Imran Jehangiri
Wojciech Kwasnik
Dr. Ulf Lotzmann
Daniel Müller
Richard Luks (as of 5/25)
Cedric Pauken (as of 5/25)

Technical staff:

Behruz Valizoda

Dr. Radomir Pestow
Philipp Räder
Florian Rieder
Andreas Schmitz
Daniel Schneider
Jessica Schumacher
Dr. Vera Spitzer



Research in the RG E-Government

www.uni-koblenz.de/agvinf

**Digitalization and
Digital Transformation in the public sector:**
E-Government, E-Participation,
Open Government, Policy Modelling and
Good Governance from different perspectives
using design science research
and empirical research



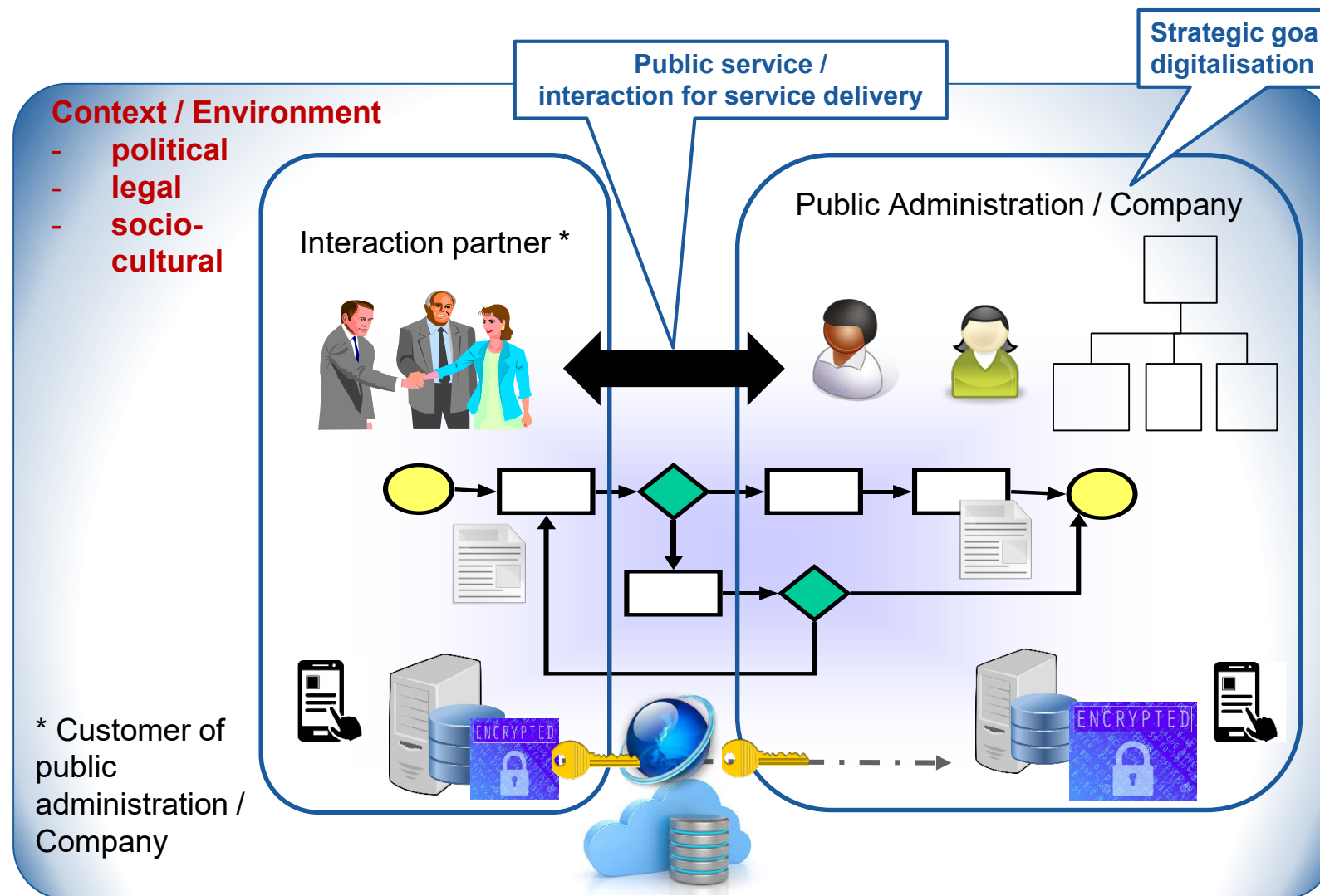
© http://www.smartcitiesworld.net/AcuCustom/Sitenam/DAM/013/digital_government_Adobe_rt.jpg

Main Topics of Research and Teaching

- ❖ Digital transformation of the public sector based on holistic view:
e-government, e-participation, open government, public procurement online,
policy modelling, trust and e-governance studied from various perspectives of design
science research, technology developments and empirical research
 - Use of Internet technologies and of disruptive technologies in order to transform the
public sector into modern, innovative, effective and efficient public service actors
 - Stakeholder engagement, co-creation and co-production, citizen-driven
 - Enterprise architecture, information and process management in networked
governments
 - Interoperability and standardization
 - Organisational innovation and effective governance structures
 - Strategic change and strategy roadmapping
 - Evaluation and impact analysis



Holistic view on public sector information systems



Holistic view:

Humans & Organisation

Processes

Data / Information

Secure ICT and communication networks

(Wimmer 2021)

Considerable number of funded research projects



Current and past research projects



COVID and AI



Registermodernisierung



Studies for ISA²



SWIA-Taxco



COVID and AI



- ❖ Environment for experimenting e-government and e-participation developments
- ❖ Collaborative space for students, research and collaboration partners from governments and industry
- ❖ Different tools for the experimentation
- ❖ Testing, experimenting and developments of new technologies and tools for specific application areas



M.Sc. E-Government Study Programme

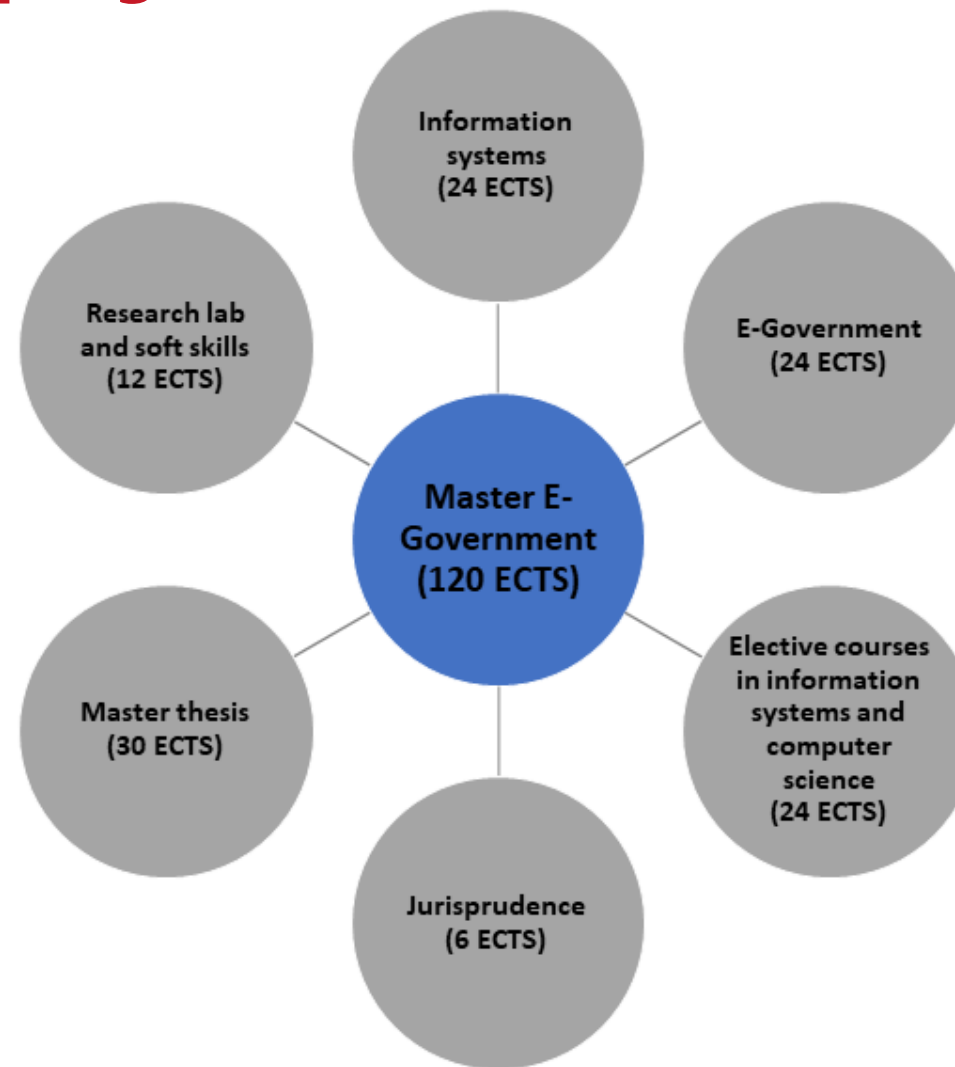


Objectives of Study Programme

- ❖ Use of information and communication technology (ICT) in the public sector in general
- ❖ Skills and knowledge for public sector modernization and digital transformation through holistic analysis, design and implementation of information systems in the public sector, including stakeholder engagement
- ❖ Analysis of the benefits of ICT for government and administration in the interaction with business and society
- ❖ Methods and techniques for holistic design of information systems



Structure of the programme



Curriculum (1/2)

Term	Information Systems 24 ECTS	E-Government 24 ECTS	Elective Courses Inform. Systems & Computer Sc. 24 ECTS	Jurisprudence 6 ECTS	Research Lab & Soft Skills 12 ECTS	Master Thesis 30 ECTS	Total
1 Summer	<ul style="list-style-type: none"> • <u>Enterprise Architecture</u>* • <u>Business Software</u>** 	<ul style="list-style-type: none"> • <u>E-Participation</u> • <u>Applications in E-Government</u>¹ (or in Sem 3) 	<ul style="list-style-type: none"> • Choose one elective module (<i>Germans, Internationals</i>) 	<ul style="list-style-type: none"> • <u>International business law</u>³ (<i>Germans</i>) • <u>Introduction to E-Government</u>⁴ (<i>Internas</i>) 			30 / 33
2 Winter	<ul style="list-style-type: none"> • <u>Risk Management in distributed environments</u>** • <u>Workflow Management</u>** 	<ul style="list-style-type: none"> • <u>Public Governance and Open Government</u> • <u>Lecture New Public Management</u>¹ (<i>German</i>) 	<ul style="list-style-type: none"> • Choose one(<i>German</i>) or two elective module(s) (<i>Internationals</i>) 	<ul style="list-style-type: none"> • <u>Media laws</u>³ (<i>Germans</i>) 	<u>Scientific Working and Writing</u> ⁵		30

* 2 Mandatory
** 2 out of 3 Mandatory

4 Mandatory
¹ for German students
² for Internationals

4 Electives

Mandatory
³ for German students
⁴ for Internationals

Mandatory
⁵ for German students Team und Führungstraining; for Internationas Scientific Writing

Curriculum (2/2)

Term	Information Systems 24 ECTS	E-Government 24 ECTS	Elective Courses Inform. Systems & Computer Science 24 ECTS	Jurisprudence 6 ECTS	Research Lab & Soft Skills 12 ECTS	Master Thesis 30 ECTS	Total ECTS
3 Summer	<ul style="list-style-type: none"> <u>Research Methods</u>* 	<ul style="list-style-type: none"> <u>Policy Analysis and Modelling</u>² <u>Application in E-Government</u>² <u>Seminar NPM</u>¹ (German) 	<ul style="list-style-type: none"> Choose one elective module (<i>Germans, Internationals</i>) 		<ul style="list-style-type: none"> <u>Team- und Führungs-training</u>⁵ <u>Research lab</u> 		30
4 Winter						<u>Thesis, colloquium</u>	<u>30</u>

* 2 Mandatory

4 Mandatory

¹ for German students

² for Internationals

4 Electives

Mandatory

⁵ for German students Team und Führungstraining; for Internationas Scientific Writing

Elective courses Information Systems and Computer Science

- An overview ...

- ❖ Introduction to Web Science
- ❖ Machine Learning and Data Mining
- ❖ Data Visualization
- ❖ Smart Process Analytics
- ❖ Semantic Web
- ❖ Artificial Intelligence
- ❖ Business Process Management
- ❖ Special Topics: IT-Management
- ❖ Big Data
- ❖ Mining Software Repositories
- ❖ Automated Reasoning and Knowledge Representation
- ❖ ... and many more offers from the Information Systems Research and Computer Science Institutes



Please note: elective courses from Business Management/Entrepreneurship may solely be taken by interest. These **DO NOT COUNT** in the curriculum's elective part!

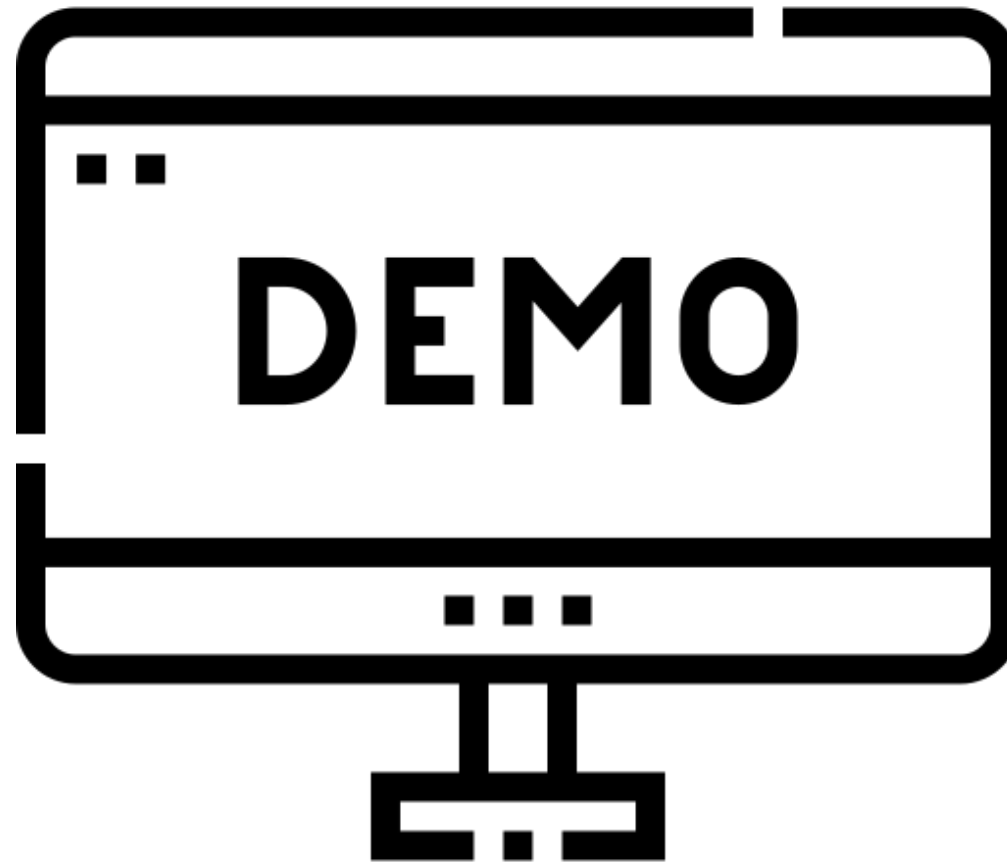
How to get the admission requirements done?

Admission requirements

What to do to fulfill the admission requirements?

- ❖ Students may have admission requirements to compensate lack of competencies in particular fields (max 30 ECTS is possible)
 - Admission requirements must be fulfilled before registering the Master Thesis
- ❖ Admission requirements in RG E-Government
 - Systems Analysis -> register to the lecture
 - Appointment for information on what to study
 - Self-study of subjects
 - Oral exam
 - Proseminar – register to the module

Lectures in KLIPS available (Summer term)



Course Advices

- ❖ Please check the course requirements in KLIPS as well as detailed information on lecturers website
- ❖ You should focus to complete mandatory and elective courses in the first three semesters
- ❖ You need to register to courses via KLIPS. You also need to register to exams separately via KLIPS
- ❖ In some courses, attendance is mandatory - check that beforehand!



Examination types

- ❖ Written assignment or seminar paper with presentation
- ❖ Written exams (Klausur)
- ❖ Oral exam
- ❖ Project handbook and Presentation for research lab



Requirements and scope for each examination is explained mostly during the first lecture/exercise/seminar. We highly recommend to always attend the first classes.

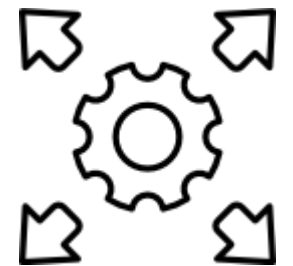
Master Thesis

- ❖ Several topics along research domain E-Government
 - With research project context
 - Linked to lectures
 - Own proposals
- ❖ 6 months full scope of work
 - Workload: approx. 900 hrs for 30 ECTS
(Thesis 27 ECTS & Colloquium 3 ECTS)



Organisational Issues

- ❖ Familiarize yourself with KLIPS, OLAT, SOGO and all the other tools we have listed before
- ❖ Create your study plan and register for classes
- ❖ Connect with your classmates and form groups for classes
- ❖ Required technical equipment: laptop with HDMI port



List of links

- ❖ KLIPS: <https://klips.uni-koblenz.de/qisserver/rds?state=user&type=0>
- ❖ SOGo: <https://sogo.uni-koblenz.de/SOGo/so/>
- ❖ OLAT: <https://olat.vcrp.de/dmz/>
- ❖ BBB: <https://bbb.uni-koblenz.de/b/>
- ❖ Website of the Research Group E-Government and its teaching offers:
<https://www.uni-koblenz.de/agvinf/>

➤ **Wishing you great success in your Master
Studies!!!
Any questions?**

{ wimmer | vesp91 }@uni-koblenz.de
<https://www.uni-koblenz.de/agvinf>



We have some things to share



Presented By : Matthias Hartmann, Anchal Dua, Ali Al-masri & Sankalp Biyani

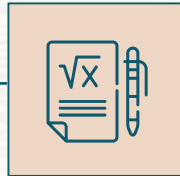


Tips & Tricks

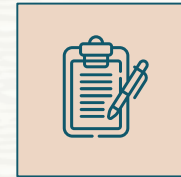
Group Work



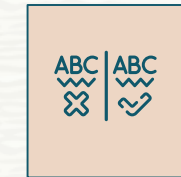
Scientific working



Get to know
literature
software



Timely Submissions



Punctuality



Different rules in
departments

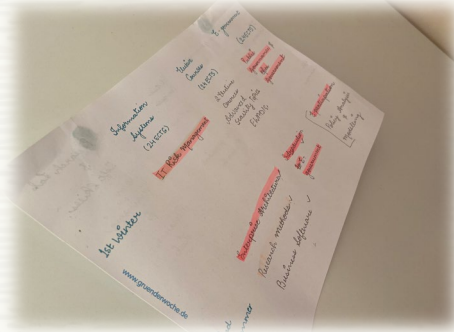


My Journey

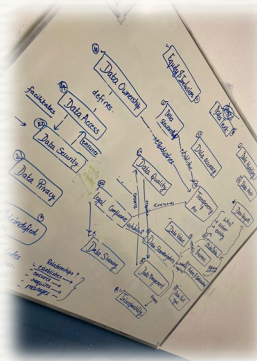
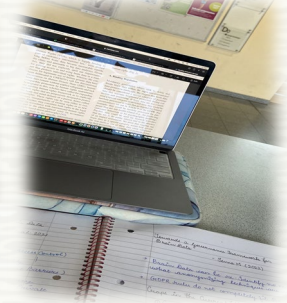
I arrived with dreams of learning but found that the lessons extended far beyond the classroom.



Started in Winter 2022



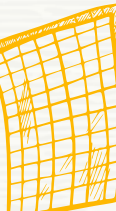
Set goals

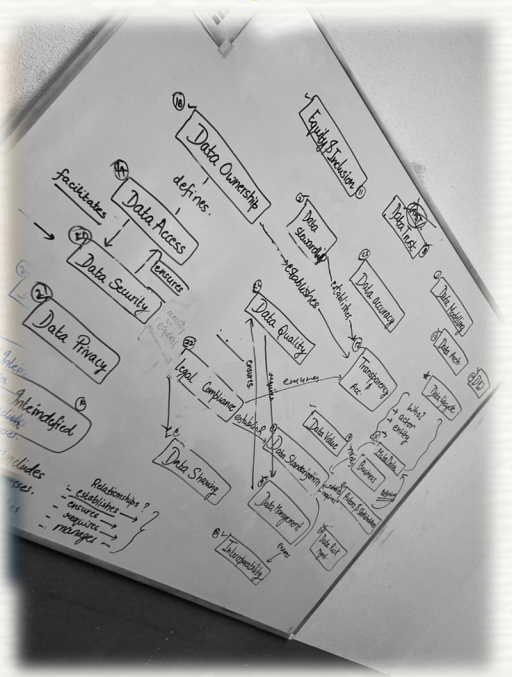


Not just set goals , worked for them



Made Friends





Abstract This paper explores the emerging field of data governance, which involves managing data through roles, rules, and policies. It aims to systematize diverse concepts and viewpoints in data governance by analyzing academic and grey literature. Through literature analysis, we examine the relationships between key concepts of data governance and major components that implement these concepts. This way, a nuanced understanding of the collective nature of these components to realize data governance is generated. The research culminates in a data governance concept matrix, and an ontology to visualize the concepts' relationships.

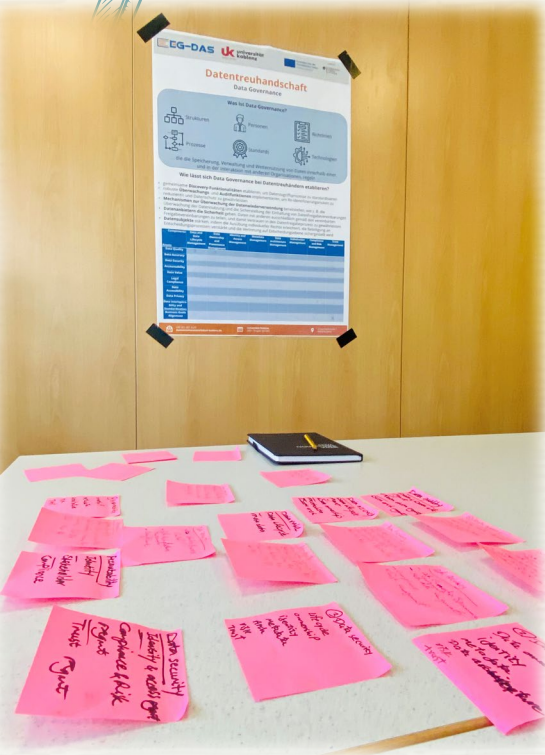
Published research paper



A collection of five hand-drawn school supplies in a light blue and yellow color scheme. At the top right is an apple with a single leaf. Below it is a closed book with a bookmark sticking out. In the bottom left is a calculator with a display screen and buttons. In the bottom center is a pencil with a sharp tip. In the bottom right is a sheet of grid paper with a yellow border and a grid pattern.

Research Lab 2023

My Journey



Engaging

Workshops

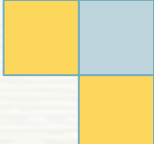



Get Togethers


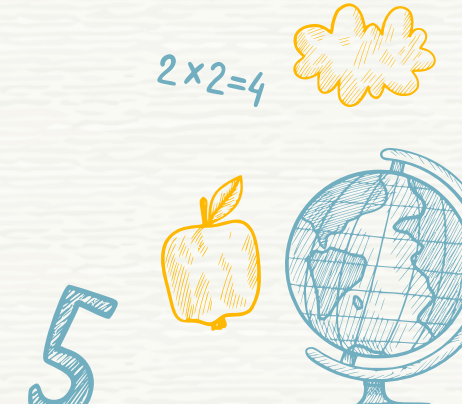
Guest Lectures

- SAP Lean IX
- Capgemini
- University of Bremen
- CTO, Lübeck
- Among others.....





Your journey will be challenging, but it's
your never giving attitude that will make
this journey a success



Current Projects



SWIA-Taxco



All Logo's and project title copyright – Universität Koblenz and partners



DO



DON'T



Do's

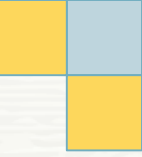
- Plan and Prioritize(Create a schedule to manage your coursework, research, and other commitments)
- Engage Actively in Classes(Participate in discussions, ask questions, and engage with your professors and peers.)
- Focus on Time Management(Balance academic work, part-time jobs, internships, and social life)
- Seek Feedback Regularly(Continuously ask for feedback from professors and peers on your work)
- Stay Organized with Research(Keep detailed notes, organize references, and maintain a system for data collection, Use citation management tools like Mendeley).
- Prepare well for your presentations (No slide readings).
- Follow the Profs guidelines for ppt layouts(no colors, paragraphs, ...)
- For everything you discuss or agree on with someone always write it in email form and send it.
- Be always on time.



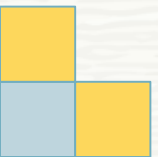
Don'ts



- Don't Procrastinate (Avoid leaving projects and papers until the last minute)
- Don't Overcommit (Don't take on more classes, work, or extracurriculars than you can handle)
- Don't Plagiarize (Academic integrity is critical at this level)
- Don't Ignore Feedback (Don't be defensive about criticism)
- Don't Miss Deadlines
- Don't ditch your colleagues in courses and projects
- Don't argue disrespectfully with Profs
- Don't Forget to Enjoy the Experience





Job Opportunities





E-Government Project Manager

Researcher/Academia

Digital Transformation Consultant

Enterprise Architect


Smart city Planner/ Coordinator

Programmer/Software Developer



Open Data Analyst

And many more....





We are very happy to help you in your journey !

Contact us on our email :

{adua | almasriali | mhartmann | sbiyani}@uni-koblenz.de





Thanks!

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