

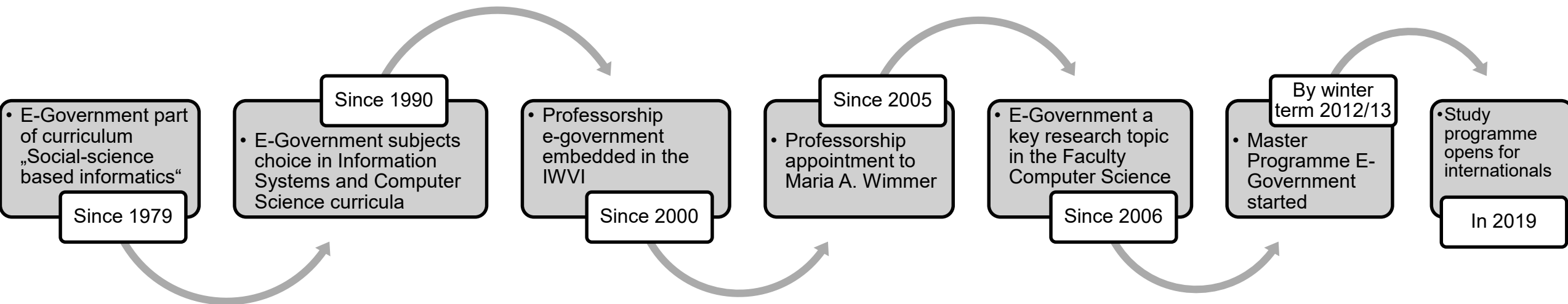
➤ Module “Introduction to E-Government” Summer term 2025 Kick-off lecture

Prof. Dr. Maria A. Wimmer, held by Dr. Vera Spitzer
wimmer@uni-koblenz.de

Agenda

- ❖ Who are we?
- ❖ Aims of the module
- ❖ Content of module
- ❖ Examination
- ❖ Literature

E-Government has a tradition in Koblenz



Teaching Team of the Module

❖ Lecture



Dr. Vera Spitzer

❖ Exercises



Dr. Vera Spitzer
Group A1 – A9
A213



Matthias Hartmann
Group B10 – B17
A 308

Lecturer of the module: Dr. Vera Spitzer

- ❖ 2018: M.Sc. in Information Management from University of Koblenz-Landau
- ❖ 2018-2024: Doctoral candidate and Researcher at the E-Government Research group, Study Advice for Master E-Government, University of Koblenz
- ❖ 2020 – now: Member of the Faculty Council
- ❖ 2024: PhD (Dr. rer. pol) with the title „*Influencing Factors of E-Government Implementation in Germany*“ from University Koblenz
- ❖ 2024 – now: Postdoc at the E-Government Research Group



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

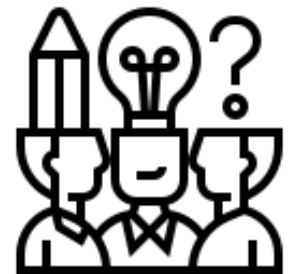
Scientific staff:

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 Research Group E-Government

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

**Digitalisation 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



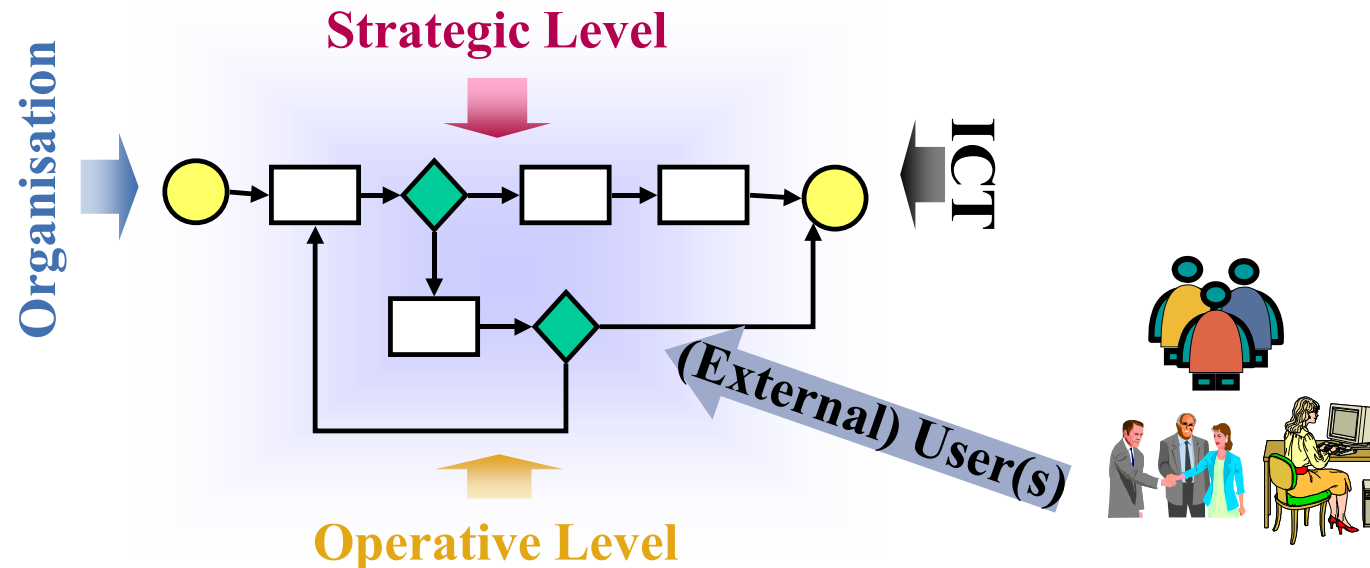
© http://www.smartcitiesworld.net/AcuCustom/Sitenam/DAM/013/digital_government_Adobe_rt.jpg

Main topics of research and teaching

- ❖ Digital transformation of the public sector based on holistic view:
e-government, e-participation, open government,
policy modelling, trust and e-governance studied from various perspectives of
design science research and empirical research
 - Use of Disruptive Technologies, Internet technologies, and the World Wide Web in the context of the public sector
 - Stakeholder engagement, co-creation and co-production, citizen-driven
 - Enterprise architecture, information and process management in networked governments
 - Interoperability and standardisation
 - Organisational innovation and effective governance structures
 - Strategic change and strategy roadmapping
 - Evaluation and impact analysis

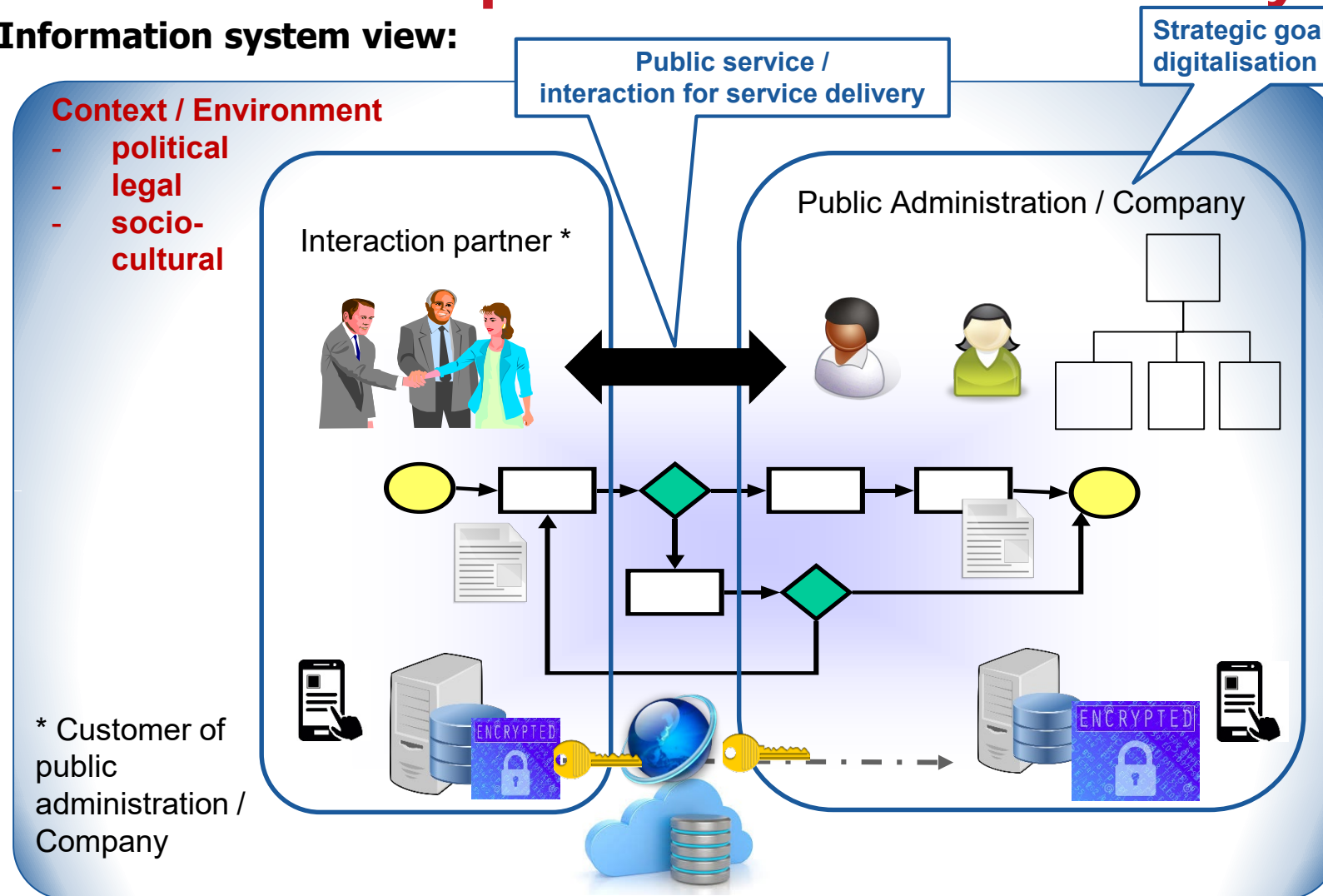
Key in our activities ...

- ❖ Research and teaching activities are characterised
 - by comprehensive investigations of human aspects, technology, organisation and process perspectives along with data and information needs in their single consideration as well as in their interrelations and interdependencies



Holistic view on public sector information systems

Information system view:



Holistic view:

Humans & Organisation

Processes

Data / Information

Secure ICT and communication networks

(Wimmer 2021)



**Considerable number of funded research projects
(average > 500.000 € per year third party
funding)**

Current and past research projects



Registermodernisierung



Studies for ISA²



SWIA-Taxco



COVID and AI



❖ Objectives

- 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

And who are you ?

Please briefly introduce yourself

- where you come from?
- whether you have had already some lecture or experience from e-government, e-participation, good governance, open government data ...?



Agenda

- ❖ Who are we?
- ❖ Aims of the module
- ❖ Content of module
- ❖ Examination
- ❖ Literature

Aims of the module ...

- ❖ Introduction to, and applications of ICT (information and communication technologies) in the public sector, including
 - General understanding of e-government
 - E-government as a research discipline
 - Legal principles and regulations shaping e-government
 - Requirements typical to the public sector
 - Insight into respective fields of ICT applications
 - Introduction and discussion of specific concepts and solutions of e-government and e-participation

Professional areas, where such skills are needed

- ❖ Consulting, conceptualising and implementing ICT solutions in combination with public sector modernisation
 - Specific branch of Information Systems, dedicated to the public sector
- ❖ Potential employer groups:
 - Public authorities
 - Consulting firms
 - ICT providers of the public sector
 - Cooperating with public sector in public-private partnerships

Agenda

- ❖ Who are we?
- ❖ Aims of the module
- ❖ Content of module
- ❖ Examination
- ❖ Literature

Contents of the lecture

- ❖ Introduction to the lecture and e-government
- ❖ Basic approaches, methods and concepts for e-government
- ❖ ICT strategies and initiatives
- ❖ Legal grounds for e-government
- ❖ Designing information systems for the public sector
- ❖ Interoperability and standardization
- ❖ Web portals and apps to access public services
- ❖ Electronic records management and document management
- ❖ Benchmarking and e-government awards

Aims of the exercises

- ❖ Investigate different aspects introduced in the lecture along a selected project and present them in the class
- ❖ Share insights from the exercise tasks with other students in the class
- ❖ Joint discussion of challenges in digging into the aspects of the tasks
- ❖ Guidance on such aspects relevant to the oral exam

Attention: Exercises \neq Lectures

❖ Lectures

- Presentation of foundations (knowledge) through teacher
- Discussion of foundations and examples

❖ Exercises

- Supervised study of contents of the lectures through independent elaboration by the students – along given tasks
- Deepening knowledge learnt from the lectures and practical application thereof

Agenda

- ❖ Who are we?
- ❖ Aims of the module
- ❖ Content of module
- ❖ Organisation & Exercises & Examination
- ❖ Literature

Credit points and study programs

- ❖ Lecture (2 SWS) plus exercises (2 SWS): 6 ECTS
- ❖ For international students in MSc E-Government
 - Module will replace the two lectures of jurisprudence, which are only taught in German
- ❖ For all other students of MSc E-Government, BSc and MSc Information Management/ Digital Business Management, BSc and MSc Information Systems
 - Elective module in Module Group Information Systems

Organisation and Schedule

- ❖ Lectures: Mondays, 14-16 in room K101
- ❖ Exercises: Mondays, 16-18 in room K101 and A 308

Recommendation to German speaking persons

<https://egov-campus.org/>

Subscribe to free courses



Exercises – some basic aspects

- ❖ Regular exercise tasks along the subjects of the lecture
- ❖ Elaboration and presentation of these tasks in groups (max 4 persons)
 - No written elaboration
 - Only presentation to be uploaded to openOLAT at the latest on Sundays before 23:59 max
- ❖ Each group can choose to present their results
 - Each presentation may be max 8 minutes – every group member to present a part
 - Followed by max 9 minutes of discussion
 - Max 5 groups can present on one exercise slot
- ❖ Only team mates that are present and that present their works will receive points for the admission to the exam
 - At minimum 3 presentations have to be done to be admitted to the oral exam
- ❖ A total of 9 exercises will be held (plus Flipped Classroom)







Slides and additional material – use of openOLAT

<https://olat.vcrp.de/auth/RepositoryEntry/4883873841/CourseNode/87461933117835>

- ❖ Use of OpenOLAT, an e-learning platform for
 - Access to the materials for the lecture (PDF of slides and some relevant literature)
 - Subscription to exercise groups
 - Collaboration in exercise groups
 - Submission of your presentations for the exercise
 - Posting any relevant questions on the module via the forum
 - Subscription to a date for the oral exam (will be opened in early July)

❖ Password for course:
EGOV_Summer-2025!

**Will be visible only in late June/
early July ->**

 Intro2eGov2025
 Lecture
 Exercise
 Subscription to exercise
 Forum
 Oral Exam

To prepare for the exercises: Subscribe to exercise groups in openOLAT

- ❖ Organise yourself in exercise groups via the openOLAT tool (Subscription to groups)

Intro2eGov2024

Lecture

Exercise

Subscription to exercise

Forum

Oral Exam

Name	Description	Number of places Taken/Total	Taken on waiting list	Status	Enrol
Group 01	4 persons per group	0/4	0	Not enrolled	Enrol
Group 02		0/4	0	Not enrolled	Enrol
Group 03		0/4	0	Not enrolled	Enrol
Group 04		0/4	0	Not enrolled	Enrol
Group 05		0/4	0	Not enrolled	Enrol
Group 06		0/4	0	Not enrolled	Enrol
Group 07		0/4	0	Not enrolled	Enrol

subscribe
here

Schedule of the course

Date	Lecture	Subject of presentation (max 6 groups per date)	Handing out exercise subject
14.04.2025	Introduction	-	-
28.04.2025	Foundation	Kick-off Exercise	Exercise 1: E-Government projects
05.05.2025	Strategies	Presentation Exercise 1	Exercise 2: Strategic placement of projects
12.05.2025	Portals	Presentation Exercise 2	Exercise 3: Front end / Web portals / apps for the public service in the project
19.05.2025	Interoperability	Presentation Exercise 3	Exercise 4: Interoperability and Standardization in projects and legal demands
26.05.2025	OOP – SCOOP4C	Presentation Exercise 4	Exercise 5: OOP
26.05.2025	TOOP – SDGR	Presentation Exercise 5	Exercise 6: TOOP & SDGR
09.06.2025	No lecture/exercise	Public holiday	
16.06.2025	Legal Aspects	No exercise	Exercise 7: Legal Grounds
23.06.2025	Legal Aspects - OZG	Presentation Exercise 6 and 7	Exercise 8: OZG
30.06.2025	Benchmarking	Presentation Exercise 8	Exercise 9: Benchmarking the project
07.07.2025	Presentation Exercise 9	and Flipped Classroom	

Examination

- ❖ Oral examination in Mid July (August) 2025
 - Date will be coordinated in June via subscription in openOLAT
- ❖ To qualify for taking the examination, successful completion of exercises is a precondition
 - At least three presentations successfully passed, including discussion

Agenda

- ❖ Who are we?
- ❖ Aims of the module
- ❖ Content of module
- ❖ Examination
- ❖ Literature

- ❖ Hans Jochen Scholl, Olivier Glassey, Marijn Janssen, Bram Klievink, Ida Lindgren, Peter Parycek, Efthimios Tambouris, Maria A. Wimmer, Tomasz Janowski, Delfina Sá Soares (Eds.). Electronic Government. Proceedings of 15th IFIP WG 8.5 International Conference, EGOV 2016, LNCS # 9820, Springer International Publishing AG Switzerland, 2016
- ❖ Hans Jochen Scholl, Olivier Glassey, Marijn Janssen, Bram Klievink, Ida Lindgren, Peter Parycek, Efthimios Tambouris, Maria A. Wimmer, Tomasz Janowski, Delfina Sá Soares (Eds.). Electronic Government and Electronic Participation. Joint Proceedings of Ongoing Research, PhD Papers, Posters and Workshops of IFIP EGOV and ePart 2016, IOS Press, Amsterdam et al. 2016
- ❖ Efthimios Tambouris, Marijn Janssen, Hans Jochen Scholl, Maria A. Wimmer, Konstantinos Tarabanis, Mila Gascó, Bram Klievink, Ida Lindgren, Peter Parycek (Eds.) Electronic Government. Proceedings of 14th IFIP WG 8.5 International Conference (EGOV 2015). LNCS # 9248, Springer Cham et al, 2015
- ❖ Efthimios Tambouris, Hans Jochen Scholl, Marijn Janssen, Maria A. Wimmer, Konstantinos Tarabanis, Mila Gascó, Bram Klievink, Ida Lindgren, Michela Milano, Panos Panagiotopoulos, Theresa A. Pardo, Peter Parycek, and Øystein Sæbø (Eds.). Electronic Government and Electronic Participation: Joint Proceedings of Ongoing Research, PhD Papers, Posters and Workshops of IFIP EGOV and ePart 2015. Series: Information in the Public Sector No 22, IOS Press: Amsterdam et al. 2015

- ❖ Marijn Janssen, Jochen Scholl, Maria A. Wimmer, Frank Bannister (Eds.). Electronic Government. Proceedings EGOV conference. LNCS # 8563, Springer Berlin / Heidelberg. 2014
- ❖ Marijn Janssen, Frank Bannister, Olivier Glassey, Jochen Scholl, Efthimios Tambouris, Maria A. Wimmer, Ann Macintosh (Eds.). Electronic Government and Electronic Participation. Joint Proceedings of Ongoing Research, Posters, Workshop and Projects of IFIP EGOV 2014 and ePart 2014. Series: Information in the Public Sector No 21, IOS Press: Amsterdam et al. 2014
- ❖ Maria A. Wimmer, Efthimios Tambouris, Ann Macintosh (Eds.): Electronic Participation - 5th IFIPWG8.5 International Conference, ePart 2013, LNCS # 8075, Springer Verlag: Heidelberg et al, 2013
- ❖ Maria A. Wimmer, Marijn Janssen, H. Jochen Scholl (Eds.): Electronic Government. 12th International Conference, EGOV 2013, LNCS # 8074, Springer Verlag: Heidelberg et al, 2013
- ❖ Maria A. Wimmer, Marijn Janssen, Ann Macintosh, Hans Jochen Scholl, Efthimios Tambouris (Eds.): Electronic Government and Electronic Participation: Joint Proceedings of Ongoing Research of IFIP EGOV and ePart 2013, GI LNI # 221, Köllen Verlag+Druck, 2013
- ❖ Hans J. Scholl, Marijn Janssen, Maria A. Wimmer, Carl E. Moe, Leif S. Flak (Eds.). Electronic Government. Proceedings of 11th IFIP WG 8.5 International Conference, EGOV 2012. Springer Verlag: Heidelberg et al, LNCS # 7443, 2012

- ❖ Hans J. Scholl, Leif S. Flak, Marijn Janssen, Ann Macintosh, Carl E. Moe, Oystein Saebo, Efthimios Tambouris, Maria A. Wimmer (Eds.). Electronic Government and eParticipation: Joint Proceedings of ongoing research and projects of IFIP EGOV and ePart 2012. Schriftenreihe Informatik # 39, Trauner Druck: Linz, 2012
- ❖ Jörn von Lucke, Christian P. Geiger, Siegfried Kaiser, Erich Schweighofer, Maria A. Wimmer (Hrsg.). Auf dem Weg zu einer offenen, smarten und vernetzten Verwaltungskultur. Gemeinsame Fachtagung Verwaltungsinformatik (FTVI) und Fachtagung Rechtsinformatik (FTRI) 2012, GI LNI, Vol. P-197, Gesellschaft für Informatik, Bonn, 2012
- ❖ Dagmar Lück-schneider, Thomas Gordon, Siegfried Kaiser, Jörn von Lucke, Erich Schweighofer, Maria A. Wimmer, Martin G. Löhe (Hrsg.). Gemeinsam Electronic Government zie(gruppen)gerecht gestalten und organisieren. FTVI & FTRI 2014, GI LNI, Vol. P 229, Gesellschaft für Informatik, Bonn, 2014
- ❖ Marijn Janssen, Hans J. Scholl, Maria A. Wimmer, Yao-Hua Tan (Eds.). Electronic Government. 10th IFIP WG 8.5 International Conference, EGOV 2011. LNCS # 6846, Springer Verlag: Heidelberg et al, 2011
- ❖ Janssen, Marijn; de Bruijn, Hans; Macintosh, Ann; Scholl, Hans J.; Tambouris, Efthimios; Tan, Yao-Hua; Wimmer, Maria A. (Eds.). Electronic Government and Electronic Participation: Joint Proceedings of Ongoing Research and Projects of IFIP EGOV and ePart 2011. Schriftenreihe Informatik, Trauner Druck: Linz, 2011

- ❖ Maria A. Wimmer, Jean-Loup Chappelet, Marijn Janssen, Jochen Scholl (Eds.). Electronic Government. IFIP International Conference, EGOV 2010. LNCS # 6228, Springer Verlag: Heidelberg et al, 2010
- ❖ Jean-Loup Chappelet, Olivier Glassey, Marijn Janssen, Ann Macintosh, Jochen Scholl, Efthimios Tambouris, Maria A. Wimmer (Eds.). Electronic Government and Electronic Participation: Joint Proceedings of Ongoing Research and Projects of IFIP EGOV and ePart 2010. Schriftenreihe Informatik # 33, Trauner Druck: Linz, 2010
- ❖ Maria A. Wimmer, Uwe Brinkhoff, Siegfried Kaiser, Dagmar Lück-Schneider, Erich Schweighofer, Andreas Wiebe Vernetzte (Hrsg.). IT für einen effektiven Staat: Gemeinsame Fachtagung Verwaltungsinformatik (FTVI) und Fachtagung Rechtsinformatik (FTRI) 2010, Koblenz, 25.-26. März 2010. Lecture Notes in Informatics (# P 162) der GI, Köllen Verlag: Bonn, 2010
- ❖ Roland Traunmüller, Maria A. Wimmer (Hrsg.). Informatik in Recht und Verwaltung: gestern - heute – morgen. Ehrenband Prof. Dr.Dr. Herbert Fiedler zum Achtzigsten Geburtstag. Lecture Notes in Informatics (LNI) – Thematics Series of the Gesellschaft für Informatik (GI), Volume 5, Köllen Verlag: Bonn, 2009
- ❖ Maria A. Wimmer, H. Jochen Scholl, Marijn Janssen, Roland Traunmüller (Eds.). Electronic Government. 8th International Conference, EGOV 2009. LNCS # 5693, Springer Verlag: Heidelberg et al, 2009

- ❖ H. Jochen Scholl, Marijn Janssen, Roland Traunmüller, Maria A. Wimmer (Eds.). Electronic Government: Proceedings of ongoing research and projects of EGOV 09. 8th International Conference. Schriftenreihe Informatik # 30, Trauner Druck: Linz, 2009
- ❖ Maria A. Wimmer, H. Jochen Scholl, Enrico Ferro (Eds.). Electronic Government. 7th International Conference, EGOV 2008. LNCS # 5184, Springer Verlag: Heidelberg et al, 2008
- ❖ Enrico Ferro, H. Jochen Scholl, Maria A. Wimmer (Eds.). Electronic Government: Proceedings of ongoing research and projects of EGOV 08. 7th International Conference, EGOV 2008. Schriftenreihe Informatik # 27, Trauner Druck: Linz, 2008
- ❖ Cristiano Codagnone and Maria A. Wimmer. Roadmapping eGovernment Research: Visions and Measures towards Innovative Governments in 2020. MY Print snc di Guerinoni Marco & C, Clusone, 2007
- ❖ Grönlund, A., Scholl, H.J., Wimmer, M.A. (eds). Electronic Government. Proceedings of ongoing research, projects and workshop contributions. Schriftenreihe Informatik #24, Trauner Verlag: Linz, September 2007
- ❖ Wimmer, M.A., Scholl, H.J., Grönlund, A. (eds). Electronic Government. Proceedings of EGOV 07. LNCS # 4656, Springer Verlag: Berlin et al, September 2007
- ❖ Achim Zechner (Ed.). E-Government Guide Germany. Strategies, Solutions and Efficiency. Stuttgart, Fraunhofer IRB Verlag, 2007

- ❖ Electronic Government - 5th International Conference, EGOV, Proc., LNCS # 4084, Springer-Verlag, Heidelberg et al., September 2006
- ❖ Michael Böhlen, Johann Gamper, Wolfgang Polasek, Maria Wimmer (eds). Electronic Democracy: The Challenge Ahead, Proc. of TED Conference on E-Government (TCGOV-2005), LNAI # 3416, Springer Verlag, Heidelberg et al, 2005
- ❖ M. Böhlen, J. Gamper, W. Polasek, M Wimmer (eds). TED Conference on e-Government (TCGOV-2005) - Electronic Democracy: The Challenge Ahead, Poster Proceedings, Schriftenreihe Informatik # 13, Trauner Verlag, Linz, 2005
- ❖ Maria A. Wimmer, Roland Traunmüller, Ake Grönlund, Kim V. Andersen (eds). Electronic Government. Proceedings of the 4th International Conference EGOV 2005, LNCS # 3591, Springer Verlag, Heidelberg et al, September 2005
- ❖ Efthimios Tambouris, Maria Wimmer. Online one-stop government: a single point of access to public services. In W. Huang, K. Siau, K.K. Wei (Eds.), Electronic Government Strategies and Implementation, Idea Group Publishing, Hershey et al, 2004, pp. 115 – 144
- ❖ Maria Wimmer (Ed.). Knowledge Management in Electronic Government. 4th IFIP International Working Conference Proceedings, Springer LNAI # 2645, Heidelberg et al, May 2003

- ❖ Maria Wimmer. Approaching secure and trustful e-government applications: technology won't make it alone! In P. Cunningham, M. Cunningham, P. Fatelnig (Eds.), Building the Knowledge Economy: Issues, Applications, Case Studies. Part 1, IOS Press, Amsterdam et al, 2003, pp. 626 - 632
- ❖ Maria A. Wimmer. A European Perspective Towards Online One-stop Government: The eGOV Project. Electronic Commerce Research and Applications, Vol. 1 , No. 1, 2002, pp. 92 - 103
- ❖ Maria A. Wimmer. Integrated service modeling for online one-stop Government. EM - Electronic Markets, special issue on e-Government, Vol. 12, No. 3, 2002, pp. 1-8
- ❖ Ake Grönlund (ed.). Electronic Government - Design, Applications and Management. IGP Idea Group Publishing, Hershey, PA, 2002
- ❖ Maria Wimmer, Roland Traunmüller, Klaus Lenk. Electronic Business Invading the Public Sector: Considerations on Change and Design. In Proceedings of the 34th Hawaii International Conference on System Sciences (HICSS-34), January 3-6, Maui, Hawaii, 2001
- ❖ Lenk, K., Traunmüller, R. (eds.), Öffentliche Verwaltung und Informationstechnik - Perspektiven einer radikalen Neugestaltung der öffentlichen Verwaltung mit Informationstechnik, Schriftenreihe Verwaltungsinformatik (20), R.v.Decker's Verlag, Heidelberg, 1999



**Thank you for your attention and good success
with the module!**

... your questions!