

Management for the Digital Age 4. Digital Divide and E-Participation



Chair of Business Informatics University of Potsdam University of Potsaam

Prof. Dr. Isabella Proeller Univ.-Prof. Dr.-Ing. habil. Norbert Gronau LematuhlinhaberistCheirelosder89 14482 Potsdam Germany Mðiæl +49A3261u97-Bedsel7Str. 89 | 14482 Potsdam | Germany



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reE-Mail + Proéfler@ແກ່ንøotsdam.de E-Maib ngtops//@lswiuchei-potsdam.de/en/ls-puma/ Web lswi.de

- Case studies are individually prepared cases where you need to apply the knowledge from the lectures in a practical work context
- 40 % of final grade
- How to pass:
 - Part 1: Working on Case studies in small groups (group work)
 - Sign up for a group, name your group and collectively work on each case study (note: only **one** of you must upload it)
 - 3 out 4 needed to pass the course
 - Case studies to be uploaded to Moodle by 11:59 pm CET on Sunday after the lecture (example: lecture unit on 15.05.2023, answer by 11:59 pm on 21.05.2023)

Part 2: Assessment of other groups (individual work) \bullet

- Assessment is an individual performance
- Please refer to the evaluation criteria found in Moodle under the corresponding section for the assessment
- Assessment to be uploaded to Moodle no later than 2 weeks after the lecture (example: lecture unit 21.05.2023, assessment by 28.05.2023, 11:59 pm CET)
- Each assessment is worth 2,5% of the final grade





"Does E-participation contribute to the improvement of democracy, by engaging all citizens to take part in the public decision-making and service delivery process?"

- To define what is e-participation and how it is different from the conventional concept of participation.
- To understand the spectrum and typology of e-participation, and the expected outcomes of the digital tools
- To identify the current trend of the e-participation's development in Europe and the world.
- To understand the important factors and their links to the current challenges.
- To identify the gamification elements in motivating the e-participation and assess the current implementations.



Structure

- 1. Concept
- 2. Spectrum and typology of digital tools
- 3. E-participation development trends
- 4. Challenges of E-participation
- 5. Excursion: Gamification in E-participation
- 6. Conclusion



1. Concept of E-participation



1. Concept

1.1. Definitions of E-participation

- "The usage of ICTs to engage citizens [and organizations] in public decision-making and public service delivery process, under the involvement of government"
- E-participation as a subset of participation
- Government involved in the process, either as a initiator, moderator, or receiver of inputs
- Three scales of e-participation: e-information
 - e-consultation
 - e-decision-making (e-collaboration/ e-empowerment)
- A part of e-government, as well as digital government

Digital Government **E-participation** Participation



1. Concept

1.2. E-participation within digital government?

- In session 3, we learned the digital government evolution model
- E-participation is a subset of e-government, broadly a part of digital government

Four-Stage Digital Government Evolution Model by Janowski (2015)

		CHARACTERIZATION		
STAGE	APPLICATION CONTEXT	Internal government transformation	Transformation affects external relationships	Transformation is context- specific
Digitization	Technology in government	no	no	no
Transformation	Technology impacting government organization	yes	no	no
Engagement	Technology impacting government stakeholders	yes	yes	no
Contextualization	Technology impacting sectors and communities	yes	yes	yes

l gital government





How would you explain the concept of e-participation in your own word?

- How does this concept link with digital government?
- How is it different from pure citizen initiatives?



2. Spectrum and Typology of E-participation



2. Spectrum and typology of digital tools

Spectrum of e-participation according to the political dimension and level of participation and examples of associated tools

	More political		L
Less engagement	Construction of political discourse	Policy-making	Public service delive
Provision of information Consultation	Political parties' website, social media Voting advice applications Parties platforms Candidates' website, social media E-voting and m-voting Agenda setting (e.g. eparties,	Provision of information on laws, regulations, strategies, budgets, administrative processes, etc. Ideation forums Parliamentary inquiries Consultations on draft policies (incl. feedback from govt.) E-voting and m-voting (e.g. for part. budgeting, referendum) Citizens' initiatives E-petitions	Information on public s Open Government Data Customer feedback Consultations on service Participatory planning Co-production (e.g. cro disaster maps) Co-creation (e.g. innova competitions, hackaton
More engagement	collaborative electoral platforms)	Participatory	v budgeting Jovernment Survey

Less political
very
c services
ata
ices
g (e.g. urban)
rowdsourced
vation
ons)

Source: Le Blanc 2020



2. Spectrum and Typology of Digital Tools 2.1. E-voting (M-voting, I-voting)

- Category: Political discourse/ policy-making, e-collaboration
- Digitally vote for political parties, candidates, policies or programes
- The most direct influence of citizen participation in tangible outcomes

i-voting, Estonia

- Digital tool for binding voting in national elections
- 3 times lower cost than conventional voting, reduced 11,000 cumulated working days
- 47% of whole voters use the internet voting in 2019 EP election
- Allows voters to change their vote during the election period

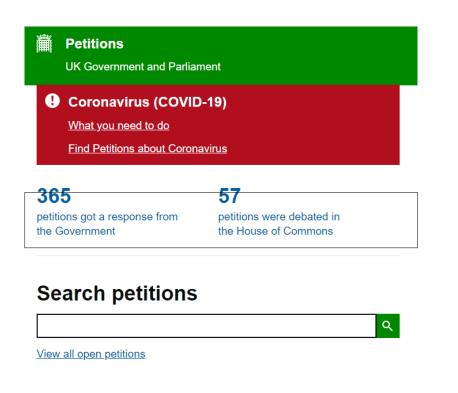


Estonia's e-Residency kit used for internet voting



2. Spectrum and Typology of Digital Tools 2.2. E-petition

- Category: Policy-making, e-collaboration
- Allows citizens and legal entities to submit a formal request on a specific political issue
- Legislators or government officials formally consider and debate the petitions signed by a certain number of people
- Efficient tool to empower citizens and address common issues



The Downing Street E-petition, the UK

- Publicized important e-petition data and results
- Clear rules for the criteria of further consideration at the government and the parliament



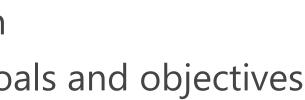
2. Spectrum and Typology of Digital Tools

2.3. E-participatory budgeting

- Category: Policy-making/ public service delivery, e-collaboration
- Citizens can decide how to spend a public budget for specific goals and objectives
- Bring citizens and government closer together
- This digital tool can be used for policy-making or public service delivery

Citizen Participatory Budget, South Korea

- Empowers citizens in the national and municipal budgeting (proposals and deliberation)
- Citizen input on the budget design and development
- The process and results published online
- 2021 budget: 63 projects were chosen (\$106 million) from the citizen initiatives
- Including social and environmental aim







2. Spectrum and Typology of Digital Tools 2.4. Co-creation

- Category: Public service delivery, e-collaboration
- Government allows citizens and other stakeholders in finding solutions for challenges and problems in the society and community
- Break down hierarchies between public and private organizations
- For various objectives under different forms (ex. Innovation, competition, hackathons)

WirVsVirus, Germany



- During the Covid 19 crisis in 2020
- A low-threshold participation opportunities for citizens
- Various objectives faced during the crisis
- Result: 28000 participants registered 43000 ideas, resulted in 1500 solutions in 48 hours



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3. E-participation Development Trends



3. E-participation Development Trends

3.1. Trends and rankings

EPI rank

in 2020

1

4

4

6

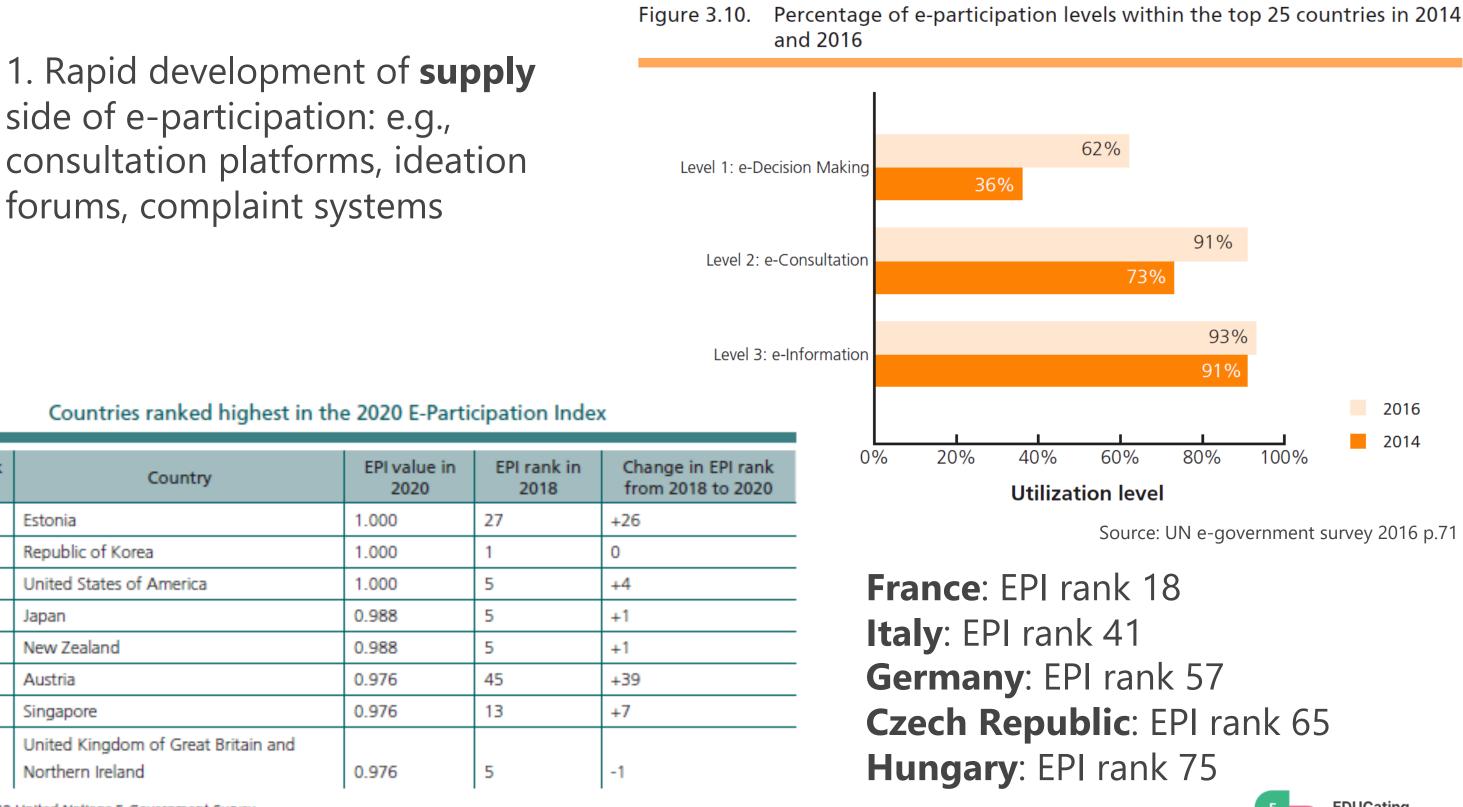
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6

Estonia

Japan

Austria



Source: 2020 United Nations E-Government Survey.

Source: UN e-government survey 2016 p.71

EDUCating



3. E-participation Development Trends

3.1. Trends and rankings



2. Combining online and offline participation possibilities



3. Mainly developed at the **local level**



4. Together with coproduction and co-creation **boundaries** between public and private sector become **blurred**

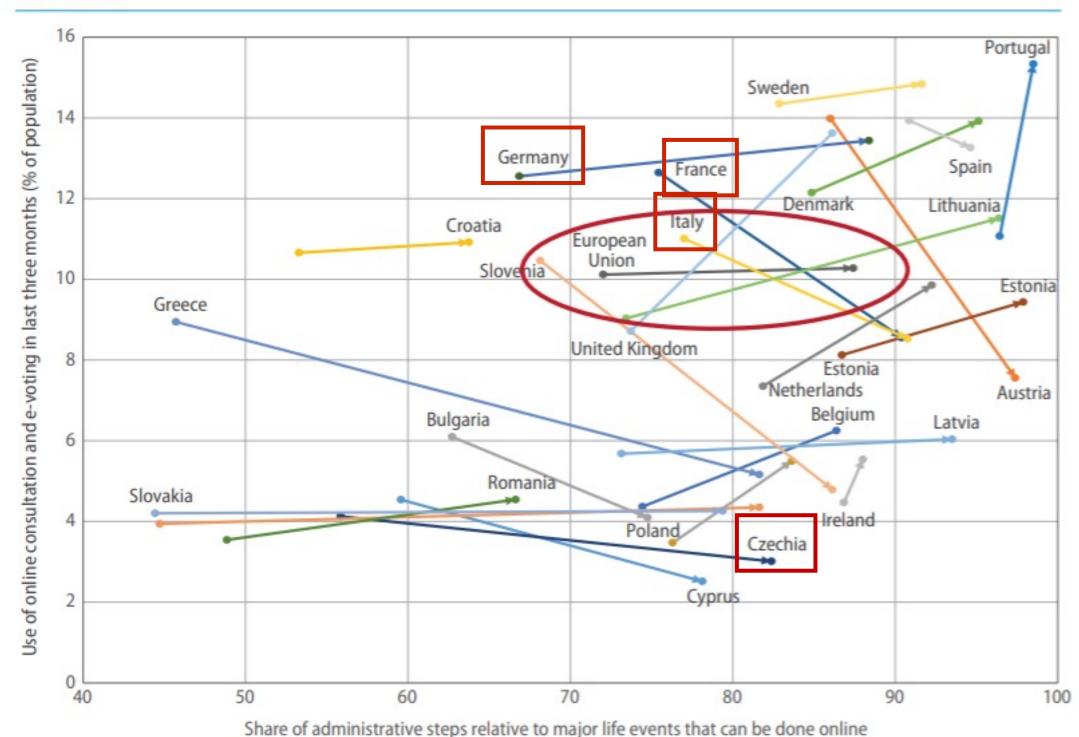


5. **Demand** for e-participation remains low



3. E-participation Development Trends

3.2. Low development of e-consulation and e-voting in Europe



Availability of services online and use of e-consultation and E-voting in European countries, 2014-2019

Source: Blanc, David Le. 2020: "E-Participation: A Quick Overview of Recent Qualitative Trends,". p.15 Data based on Digital Economy and Society Index by European Commission 19





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Remote Energizer





E EDUCating for Positive Management

4. Challenges of E-participation



4. Challenges of E-participation

- General barriers to participation (e.g., participation captures elites only, lack of voice for _ certain groups, participation fatigue, lack of resources and capacity)
- Specific barriers related to e-participation: —

Barrier	How to d
Digital divide (hardware and competencies)	Provide physical
Sole focus on technology	Focus on social and
Lack of clear objectives	Being clear on goals and
Missing knowledge about expectations of different stakeholders	Proper stakeholder analys instrumen
Lacking trust in government, social media and/or the internet	Taking trust into account, dec really needed, r
Missing impact of participation or felt missing impact	Responsiveness, clear mechar participation results in decisi feedback, tran
High costs and low benefits	Better measuring costs and b better p
Missing knowledge about effectiveness of e-participation	More systematic eval

deal with that

l access, train citizens

d institutional factors too

d related costs and resources

sis and adapting channels and nts to different

cide which degree of monitoring is no privacy breaches

anisms that show the integration of sion-making processes, providing nsparent processes

benefits, especially invisible costs, plan budget

aluations pf e-participation



Groups of citizens are different in terms of access to e-participation, due to a lack of:

- Access to **infrastructure** (computers, internet, broadband) mainly an issue in developing countries
- competencies related to operate computers, look for **Digital literacy** and analyze information, analyze complex policy proposals and provide which competencies are needed depends on type of einputs participation (rather low skills: e-petitions, rather high skills: hackathons)

today







4. Challenges of E-participation

4.2. Government Responsiveness and Clear Mechanism of E-participation

- Citizens might not see their impact: "The whole process might lead to nothing"
- High uptake of an e-participation platform does not automatically translate into high government responsiveness
 - Formal institutional process generates the pressure on government
- Clear linkage between e-participation mechanisms and decision-making process
 - Policy-making: define and publicize the process and criteria for citizen inputs consideration
 - Service delivery: clarify mechanisms of government response on citizen inputs and implementation of service providers
- Transparency about process and results



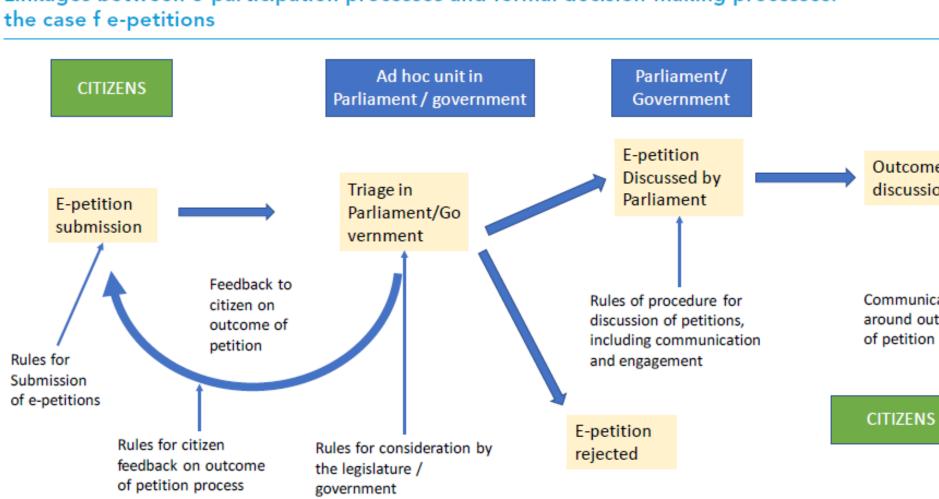




4. Challenges of E-participation

4.2. Government Responsiveness and Clear Mechanism of E-participation

The case of UK e-petition process (Asher et al 2019)



Linkages between e-participation processes and formal decision-making processes:

Source: Le Blanc 2020, p.21

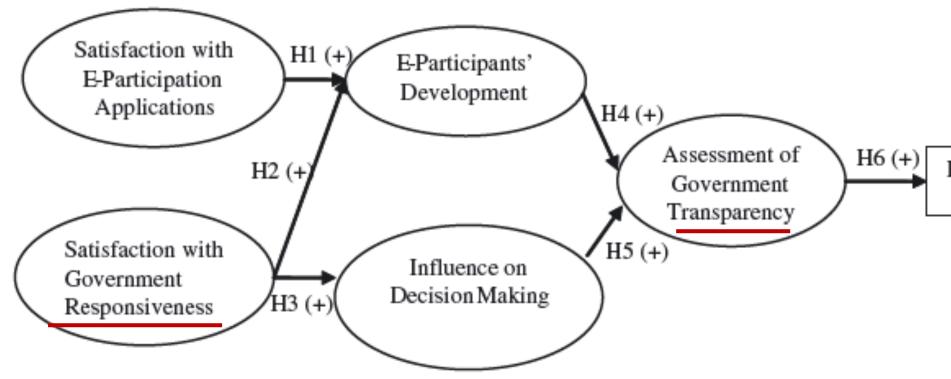
Outcome of discussion

Communication around outcome



4. Challenges of E-participation 4.3. Trust in Government

Satisfaction with government responsiveness can lead to the increase of trust as an outcome



E-Participants' Trust in Government



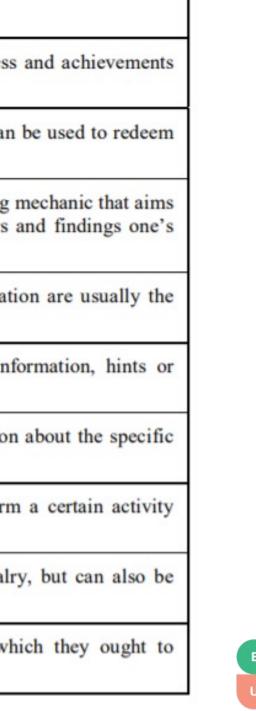
5. Excursion: Gamification in E-participation



5. Excursion: Gamification in E-participation

Gamified elements in E-participation

Classifier	Game elements	Description
achievement	e.g. badges	A mechanism to show the user his or her progress within the system
points		Users can earn virtual points that in some cases can physical artefacts.
status	e.g. levels	In contrast to points in leaderboards, the underlying to motivate is the strive for recognition by others place in a community.
expression	e.g. spaces for open creativity	Where used, these spaces for open creativity/creat main component of the system.
feedback	e.g. notifications	The system provides the user with additional in gives encouraging statements.
personalization	e.g. profiles, avatars	The system offers a space that contains information user or can be modified by the user.
challenge	e.g. missions, quests	The system or other users ask the user to perform under predefined conditions.
competition	e.g. leaderboards, highscore lists	Competition does not necessarily connect to rival neutral comparison.
time constraint	e.g. due dates, countdowns	Users are given a certain amount of time in whether the second se





Source: Thiel (2016)

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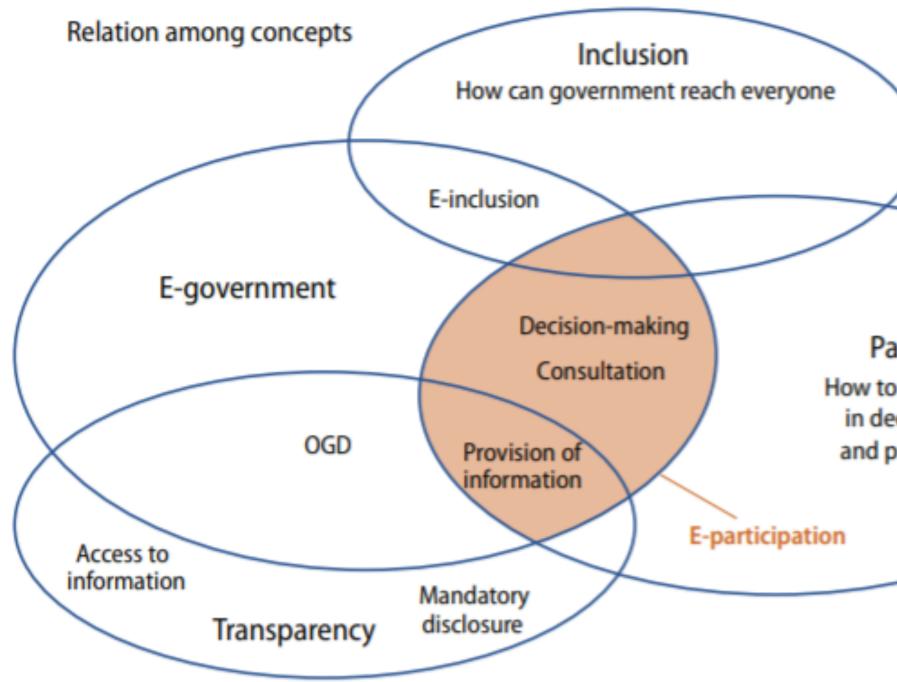


6. Conclusion



6. Conclusion

Relations among e-participation and selected governance concepts



Source: Le Blanc, David. "E-Participation: A Quick Overview of Recent Qualitative Trends," 2020, 33. p.4-8

Participation

How to engage citizens in decision-making and public servicing



6. Conclusion



- "E-participation contributes to the improvement of the citizen engagement on the public decision making and service delivery positively, but Eparticipation cannot be the goal itself without a proper institutionalization, because..."
- **1. Social and economic gap of public:** Only digitally skilled people with the physical access to the internet can utilize the e-participation platforms.
- 2. Formal e-participation process: Citizens' inputs can get lost without being responded or considered in the public decision-making process.
- **3.** Motivation and trust: Not all citizens are motivated to participate, for example, due to the lack of trust in government.
- **4. Limited capacity of collaboration:** Not every participatory process results to the better results.

+ Good utilization of gamification in e-participation can be one of the strategies to close the digital divide by educating users, and to encourage users to participate easily and effectively in the platform.





Watch the video of TedxBocconi on "What if government was a game?"



You can read the literature of Thiel (2016) regarding various game elements applied in E-Participation. Check how the author describes the application of such elements in eparticipation.



What other game elements would you like to propose to apply?



4: Digital Divide and E-Participation



Business Game - 22.05.

Business Game is the third part of the examination performance. You can either take part in the business game on the 15th of May (see session 3) or on the 22nd of May (see session 4). Please fill out the selection tool. More info will follow soon.

When? 2 - 4pm Where? Griebnitzsee, House 6, seminar room S28 (3.06.S28)



Thank you!

