



Local Open Government: Empirical Evidence from Austrian Municipalities

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Abstract. Local governments have increasingly been applying an open and collaborative approach towards public management during the last years. Accordingly, they aim at increasing accessibility by releasing public data and providing participative decision-making arenas. ‘Open government’ has also been implemented in Austrian municipalities. This paper takes stock of the current status of open government implementation in Austria by analyzing survey data from city managers. Findings indicate that Austrian municipalities choose releasing public data over involving citizens in decision-making. Although public managers seem to value the principles of an open government, a successful implementation of open government is hampered by resource constraints.

Keywords: Open government · Local government · Public manager

1 Introduction

Decreasing levels of public trust, low citizen satisfaction with the political-administrative system, and a changing political landscape are challenging government institutions, public sector organizations, and political parties alike. These acceptance and legitimacy problems assert pressure on the political-administrative system to change and innovate the present process of public service delivery and policy-making. In fact, various public institutions respond to these challenges by providing citizens free access to public data and possibilities of participative decision-making.

Various scholars (e.g. [13, 16, 17, 20]) gave promising results of ‘open innovation’ as used in the public sector. They suggested that online platforms, social media, and mobile applications are leveraged to enhance the dialogue between government and citizens. Knowledge flows in digital platforms further hold great potential for value-creation both for society and participants [16]. The implementation of open government was, however, only investigated by pointing to specific open government projects or best practices so far (e.g. [20]). Unfortunately, research has not yet examined to what extent open government is implemented across local governments, independent from size. Consequently, one cannot formulate more general statements on factors

facilitating or hampering open government implementation. Moreover, there is little research on city managers' perceptions on open government [4, 25].

This paper thus contributes to the research on open government by taking stock of open government implementation in Austrian municipalities. It intends to evaluate the current status of adoption, analyze municipalities' capability for implementation, and shed light on city managers' attitudes towards governmental openness.

The remainder of this paper is structured as follows: In Sect. 2, we introduce the concept of open government. Section 3 describes the data and method used in this study. In Sect. 4, empirical findings are presented. Section 5 encompasses a discussion of our findings, gives implications of this research, and points to limitations and avenues for further research.

2 Open Government

Open government as a 'multilateral, political, and social process' [23, p. 2] is widely understood as a concept that transforms governments and is meant to connect government with citizens who are supposed to introduce innovative solutions based on their local knowledge and experience [18]. Meijer, Curtin, and Hillebrandt [15] associate open government with citizens' vision of 'what is going on inside government' and their voice in interactive terms, the term denotes governmental activities for the benefit of transparency, participative decision-making, and collaborative activities between policymakers and citizens (e.g. [3, 12]). An 'open government' thus encompasses an increased level of openness in terms of information and decision-making and can be seen as the comprehensive redesign of politics and administrative activities according to the principles of modern public management and public governance (see Fig. 1).

The public sector utilizes various ways to promote transparency of government action, accessibility of government services and information as well as the integration of externals by leveraging modern information and communication technology [11, 13, 15–17, 23]. Significantly, opening government to the public sphere requires a border crossing for the respective public organizations, meaning that new forms of cooperation are implemented and external sources of knowledge are consulted for specific issues [8]. More typical forms of participation such as elections and referendums fail to adequately transfer either knowledge or needs from society to government. Openness and free access to information, however, facilitate the interaction between government and civil society and promote a participatory government [14]. Citizens and experts provide know-how that governments then apply in problem solving and draw on when developing innovative strategies and policies [13, 21].

With this in mind, integrating citizens into organizational processes and governmental decision may result in various benefits. First, applying open government is assumed to enhance government-citizen relation. Opening up government improves perceptions of fairness among the public, strengthens democracy insofar as personal responsibility and public spirit can be enhanced, democratic accountability, and trust in government [7, 10]. Second, openness in the public sector may lead to advantages for public administration and its organizational processes, as the new approach benefits

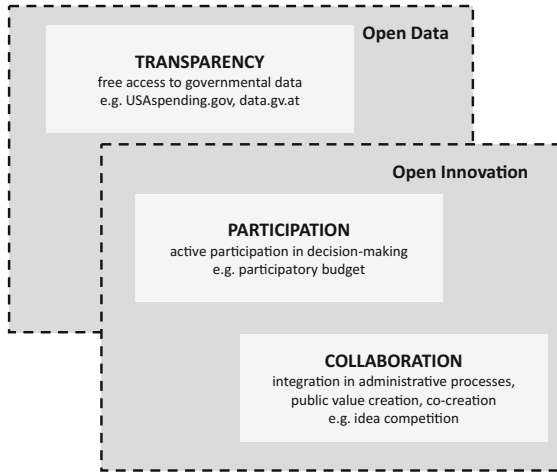


Fig. 1. Open government [20]

organizational and policy performance [6, 18], efficiency and effectiveness of public services and governmental procedures [16, 18, 23] as well as quality enhancements [9, 16, 19]. In summary, open government activities are assumed to enhance public value.

3 Data and Methods

To explore the current status of open government implementation in Austria, we collected survey data in Austrian municipalities. Austria is a federal state consisting of nine regions and 2,100 local governments¹. Municipalities are characterized by local autonomy, which means that they are governed by a local council with the mayor as its head. The mayor is elected by the local council or local inhabitants for five or six years. Whereas the mayor represents the political decision-maker of local government, the city manager or chief executive officer is subject to directives from the mayor and responsible for operational matters. In November 2016, city managers of all Austrian municipalities received an online questionnaire with a number of closed questions. 235 city managers completed the questionnaire.

4 Findings

4.1 Sample Description

Table 1 summarizes key characteristics of the sample population, and contrasts it from the Austrian population. Except for Vienna, individuals from all federal states respond to our survey invitation. The greatest share of respondents are from Upper Austria as

¹ At the time of the analysis, Austria had 2,100 municipalities.

the second largest federal state. Furthermore, the sample varies among municipal size. About one third of all respondents work in small municipalities, one third in large municipalities, and one third is in between. In addition, the level of debt of sample municipalities is comparable to the actual Austrian distribution. Consequently, we conclude that the survey sample resembles the Austrian structure of municipalities in terms of federal state, municipal size, and level of debt.

Table 1. Sample description

	Sample distribution	Austrian distribution
Federal state		
Burgenland	12 (5.11%)	171 (8.14%)
Carinthia	20 (8.51%)	132 (6.29%)
Lower Austria	58 (24.68%)	573 (27.29%)
Upper Austria	80 (34.04%)	442 (21.05%)
Salzburg	15 (6.38%)	119 (5.67%)
Styria	20 (8.51%)	287 (13.67%)
Tyrol	21 (8.94%)	279 (13.29%)
Vorarlberg	9 (3.83%)	96 (4.57%)
Vienna	–	1
Municipal size		
Small	80 (34.04%)	830 (39.52%)
Intermediate	91 (38.72%)	721 (34.33%)
Large	64 (27.23%)	549 (26.14%)
Level of debt per capita		
Low	144 (61.28%)	1364 (64.95%)
Intermediate	59 (25.11%)	409 (19.70%)
High	32 (13.62%)	303 (14.60%)
Observations	235	2,100

Source: Statistics Austria

4.2 Open Government Implementation in Austrian Municipalities

In order to evaluate the status of open government implementation in Austria, we developed a list with practices associated with open government. Figure 2 illustrates the survey results and indicates if the responding municipality has already implemented a practice, is intended to implement it, or is not willing to take action.

First, findings show that the status of implementation greatly varies across municipalities. For example, 63 municipalities use social media channels to communicate with citizens, whereas 132 municipalities have no intention to set up a social media account. Second, the results indicate a great difference in the implementation status in terms of type of practice. On the one hand, the majority of city managers report to exchange with other municipalities, release public data on open data portal,

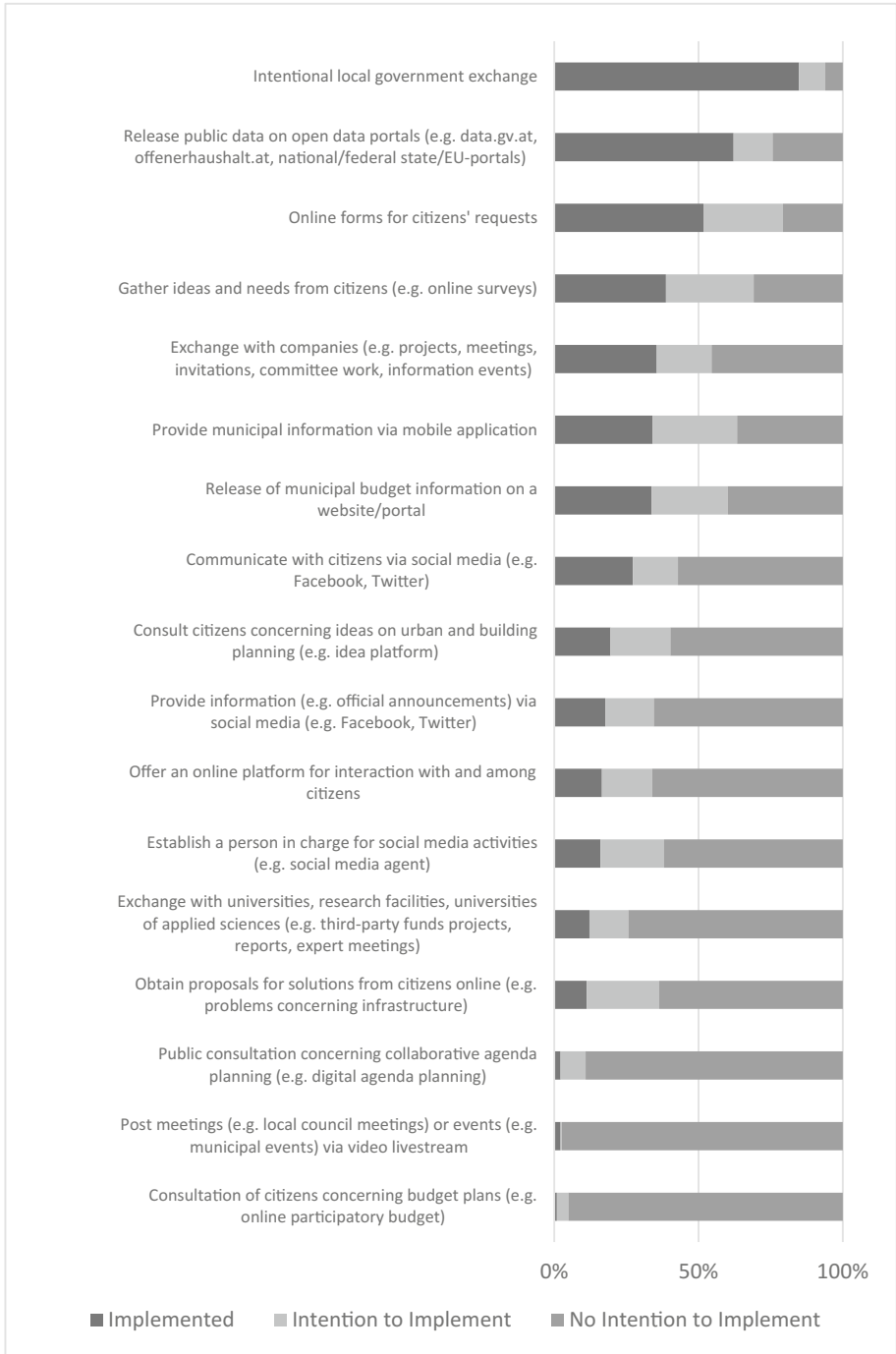


Fig. 2. Open government practices in Austria.

and provide online forms for citizens' requests. On the other hand, however, only very few municipalities consult citizens in terms of budgeting or agenda planning and rather have no intention to do so in the future.

4.3 Capability to Implement Open Government

Based on the main ideas of the resource-based view, more resources are associated with a higher level of organizational performance [22]. Organizational resources are also shown to influence public innovation [2]. Open government implementation thus requires organization's capability to provide relevant practices. Accordingly, municipalities must have resources to ensure transparency, provide citizen participation, and foster collaboration. We thus ask city managers if current resources are adequate for implementing open government practices. As illustrated in Fig. 3, municipalities seem to suffer from resource scarcity. Whereas technical equipment for disclosing data and integrating citizens as well as security arrangements are available to a certain level, financial and human resources do not hold for adopting open government.

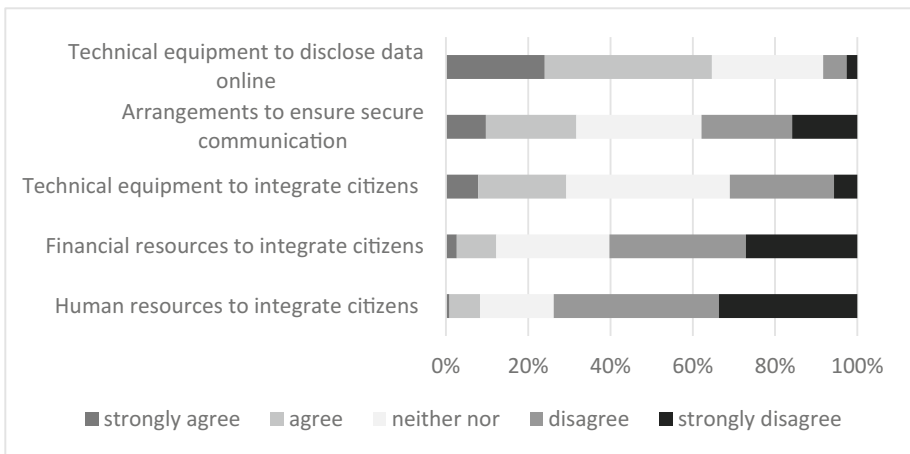


Fig. 3. Resources. (N = 227–229)

Next to material resources, open government implementation requires task knowledge. Accordingly, public employees have to know how to implement open government. In Fig. 4, we give an overview on respondents' statements on the level of task knowledge. The results show that the majority of municipalities have knowledge in releasing public data. Furthermore, they seem to know how to transfer citizens' input into improvements of organizational activities. In addition, about 60% of municipalities are able to manage citizens' contributions.

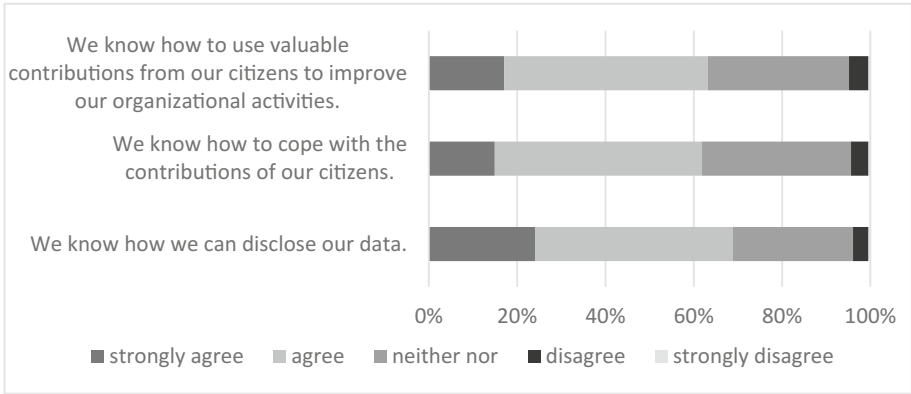


Fig. 4. Knowledge. (N = 228–229)

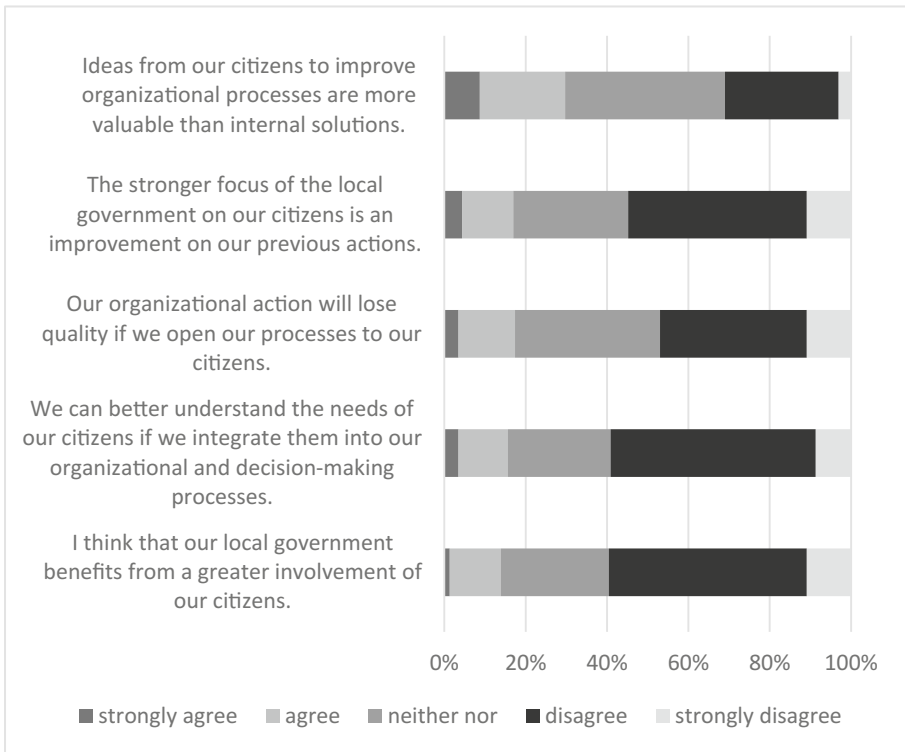


Fig. 5. Attitudes towards open government. (N = 229–230)

4.4 Attitudes Towards Open Government

Next to organizational factors crucial for open government adoption, we concentrate on decision-makers’ attitudes towards innovative practices. Shedding light on the

perceptions of municipal city managers is important, as they are main decision-makers in implementing public change and innovation [5, 24], and thus influence strategic decisions [1]. Accordingly, we first focus on city managers' attitudes towards government. Results in Fig. 5 show that about 30% of city managers seem to value the ideas from citizens, even more than internal ones. However, only few managers agree that citizen involvement can lead to an improvement of organizational action.

Second, we question the perceived value of open government. As summarized in Fig. 6, city managers seem to value open government practices in terms of citizen integration and transparency. In contrast, they are less convinced of open government as a tool to compensate losses in public trust and citizen confidence.

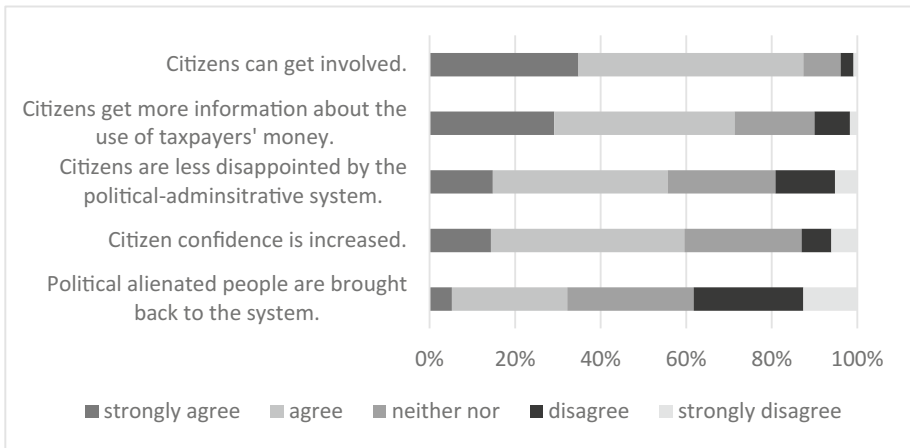


Fig. 6. Outcomes of open government. (N = 230)

5 Discussion and Conclusion

The findings of this study show a diverse picture of open government in Austrian municipalities. First, while municipalities value the exchange of experiences with each other, they seem to be quite reluctant to adopt open government ideas in terms of participation and collaboration. Second, city managers seem to rate the outcomes of open government rather positively. However, they refer to a lack of available organizational and financial resources as a barrier to implement open government in their organizations successfully. One could thus explain a low level of open government adoption with a lack of resources. While scarce resources are certainly a problem in some municipalities, however, the question of re-allocation resources from other tasks to the tasks at hand regarding the open government agenda might arise. Here, the question of attitude towards open government speaks a clear language: when almost 60% of public managers do not think that their local governments can benefit from a greater involvement of their citizens, why should they shift resources to topics they are not ordered to do so by the politicians in charge or required by law.

Concluding, this study confirms two observations in Austria. First, the open government discussion in Austria has been focusing mainly on open government data (OGD), rather than participative decision-making and collaboration. Whereas municipalities are ready to disclosure data, they seem to be not willing to involve external actors in organizational processes. For example, whereas many German cities have already adopted various rounds of participatory budgeting, Austrian municipalities are not taking up on this practice. Second, survey findings indicate that the open government agenda is valued in general. Few Austrian cities have already initiated large open government projects (see [20]). However, the majority of Austrian municipalities suffer from resource constrains for realizing the open government agenda. Consequently, open government has to be move to political representatives who has to actively push and promote the topic.

Further research has thus to shed light on the role of politicians and investigate their perception toward open government. A further avenue of research relates to the extent to which municipalities have adopted open government. Whereas this study makes a first step towards illustrating what open government means in practice, further research is recommended to elaborate a scale and give a more holistic picture of the quantity and quality of open government practices. Furthermore, we know little about what public datasets are released, how often they are downloaded by citizens, and if citizen expectations are fulfilled.

References

1. Damanpour, F., Schneider, M.: Phases of the adoption of innovation in organizations: effects of environment, organization and top managers. *Br. J. Manag.* **17**(3), 215–236 (2006)
2. De Vries, H., Bekkers, V., Tummers, L.: Innovation in the public sector: a systematic review and future research agenda. *Public Adm.* **94**(1), 146–166 (2016)
3. Evans, A.M., Campos, A.: Open government initiatives: challenges of citizen participation. *J. Policy Anal. Manag.* **32**(1), 172–185 (2013)
4. Ganapati, S., Reddick, C.G.: The use of ICT for open government in US municipalities: perceptions of chief administrative officers. *Public Perform. Manag. Rev.* **37**(3), 365–387 (2014)
5. Hansen, M.B.: Antecedents of organizational innovation: the diffusion of new public management into Danish local government. *Public Adm.* **89**(2), 285–306 (2011)
6. Harrison, T.M., et al.: Open government and e-government: democratic challenges from a public value perspective. *Inf. Polity* **17**(2), 83–97 (2012)
7. Herian, M.N., Hamm, J.A., Tomkins, A.J., Pytlik Zillig, L.M.: Public participation, procedur-al fairness, and evaluations of local governance: the moderating role of uncertainty. *J. Public Adm. Res. Theory* **22**(4), 815–840 (2012)
8. Hilgers, D.: Open government. *Zeitschrift für Betriebswirtschaft* **82**(6), 631–660 (2012)
9. Hilgers, D., Ihl, C.: Citizensourcing: applying the concept of open innovation to the public sector. *Int. J. Public Particip.* **4**(1), 67–88 (2010)
10. Janssen, M., Charalabidis, Y., Zuiderwijk, A.: Benefits, adoption barriers and myths of open data and open government. *Inf. Syst. Manag.* **29**(4), 258–268 (2012)
11. Krabina, B., Lutz, B.: Open Government Implementation Model (2016). <http://www.kdz.eu/en/open-government-implementation-model>. Accessed 15 Mar 2018

12. Lee, G., Kwak, Y.H.: An open government maturity model for social media-based public engagement. *Gov. Inf. Q.* **29**(4), 492–503 (2012)
13. Linders, D.: From e-government to we-government: defining a typology for citizen coproduction in the age of social media. *Gov. Inf. Q.* **29**(4), 446–454 (2012)
14. Meijer, A.: Government transparency in historical perspective: From the ancient regime to open data in the Netherlands. *Int. J. Public Adm.* **38**(3), 189–199 (2015)
15. Meijer, A.J., Curtin, D., Hillebrandt, M.: Open government: connecting vision and voice. *Int. Rev. Adm. Sci.* **78**(1), 10–29 (2012)
16. Mergel, I.: Opening government: designing open innovation processes to collaborate with external problem solvers. *Soc. Sci. Comput. Rev.* **33**(5), 599–612 (2015)
17. Nam, T.: Suggesting frameworks of citizen-sourcing via Government 2.0. *Gov. Inf. Q.* **29**(1), 12–20 (2012)
18. Neshkova, M.I., Guo, H.: Public participation and organizational performance: evidence from state agencies. *J. Public Adm. Res. Theor.* **22**(2), 267–288 (2011)
19. Salge, T.O., Vera, A.: Benefiting from public sector innovation: the moderating role of customer and learning orientation. *Public Adm. Rev.* **72**(4), 550–560 (2012)
20. Schmidhuber, L., Hilgers, D.: Unleashing innovation beyond organizational boundaries: exploring citizensourcing projects. *Int. J. Public Adm.* **41**(4), 268–283 (2018)
21. Schmidhuber, L., Hilgers, D., Gegenhuber, T., Etselstorfer, S.: The emergence of local open government: determinants of citizen participation in online service reporting. *Gov. Inf. Q.* **34**(3), 457–469 (2017)
22. Williamson, O.E.: Strategy research: governance and competence perspectives. *Strat. Manag. J.* **29**(12), 1087–1108 (1999)
23. Wirtz, B.W., Birkmeyer, S.: Open government: origin, development, and conceptual perspectives. *Int. J. Public Adm.* **38**(5), 381–396 (2015)
24. Yukl, G.: *Leadership in Organizations*, 6th edn. Pearson Prentice Hall, Upper Saddle River (2006)
25. Zhang, F., Feeney, M.K.: Managerial ambivalence and electronic civic engagement: the role of public manager beliefs and perceived needs. *Public Adm. Rev.* **78**(1), 58–70 (2018)