

**Identifying design principles for proactive services through systematically understanding the reactivity-proactivity spectrum**

**Erlenheim, Regina; Draheim, Dirk; Taveter, Kuldar** Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance : ICEGOV 2020, 23-25 September, 2020 : Online Conference 2020 / p. 452–458  
<https://doi.org/10.1145/3428502.3428572> [Conference Proceedings at Scopus](#) [Article at Scopus](#)