

**Type of Presentation:** in-use contribution

**Title:** Open Data strategy and implementation in the city of Munich/Germany

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**Summary of the Presentation:**

The presentation details the process in which the city of Munich has developed its open data strategy and the steps that have been and will be undertaken to implement open data in Munich. Munich has started with a community-approach, involving numerous actors from the open government community in the design of its initiative. Building on a concept of central maintenance and quality management on the one hand and decentralised data contribution on the other, Munich attempts to build an open data platform that fits its open source environment. This seems of general interest since local administrations face particular challenges in open data.

**Extended Abstract of the Presentation:**

Introduction

Due to the buzz that open data has created in the open government and e-government communities and because of specific requests addressed to the city of Munich, the latter has made an initial attempt to publish open data in early 2011. Only subsequently has the city developed an open data strategy. Its open data strategy is part of the Munich's broader strategy for e-government. The proposed presentation specifically describes the process in which the city of Munich has developed its open data strategy and the steps that have been and will be undertaken to implement open data in Munich.

Munich's Role in the German public-administrative system

Munich is the capital city of the German state Bavaria. The German states as well as the local administrative level enjoy a significant level of autonomy within the German public-administrative system. The city administration of Munich has its own IT governance strategy unit, STRAC, runs a central ICT service provider, it@M, which is organised as an owner-operated municipal enterprise and has 12 dedicated IT-units for local IT-support and requirements management which are part of each department of the city administration. The city of Munich furthermore has a strong track record in open source, having started migrating to Linux about ten years ago. Furthermore, Munich is integrated into a network of European cities, Eurocities, that cooperates around all topics relevant for city development. Within this network it co-initiated the open data working group. In addition, the city of Munich is a partner in the FP7 project OpenDataMonitor (ODM) which develops an open data monitoring and analysis tool. The city is thus looking for external input and inspiration extensively.

Strategy building process and its results

Munich's open government strategy is integrated into its broader e-government strategy which addresses the digitisation of the public sector as a whole (e.g. also e-government services). This open government strategy also includes participation processes, such as MOGDY (Munich Open Government Day) that sources citizens to generate ideas on how to improve the public sector. This stresses that open data is not only about transparency and political participation, but in particular about collaboration and sourcing citizens to enhance public services and quality of life. In its strategy process, Munich included stakeholders from the open government community, such as Liquid Democracy, Open Data Network and the Government 2.0 network. Within this community-approach it has organised bar camps and a hackday. As part of this hackday, the city administration's statistics bureau published an initial set of open data.

Implementation process of open data in Munich so far.

In a first phase of its open government project, the city of Munich builds a platform for open government data. An initial step of the implementation focused particularly on anchoring an open data awareness in all departments of the city administration. Therefore, social media guidelines were developed, resources allocated and the open government concept communicated to the workforce. Subsequently, STRAC has defined a standard open data process and developed a role concept so as to embed open data in the city administration's departments and enterprises. In cooperation with these, STRAC has thereupon identified data sets that could qualify for open data. Therefore, criteria have been defined in order to prioritise which data will be made available. The focus has been laid on processes with a high number of cases, that promise a high level of automation, have the potential to disburden public administrators and accelerate the service process. The goal is to reduce additional workload to converse government data into open data. Thus, internal systems need to be adapted so that publishing open data is possible with minimal work and can be done automatically in the future. In addition, STRAC has identified components to build an open government platform. Another point of major concern have been legal considerations.

#### Platform specifications

In order to offer open data catalogues to third parties without special software, currently the data catalogues is run as a web site on the internet. In the long term perspective Munich will build and offer an open data platform using a standard – open source – product with state-of-the-art functionality. It is fully integrated in the cities internet presence, connected with the eServices and other service offerings. The platform will offer various functionalities, e.g. full-text and meta data-searches, feedback opportunities and support numerous output formats (JSON, RDF etc.). For meta data the quasi-standard CKAN will be adopted. Furthermore, the service will be offered free of charge.

#### Platform maintenance

The IT-infrastructure for the platform is offered by it@M and it is run in the DMZ (demilitarised zone) to support adequate security. The STRAC team will be involved in building the initial setting, supported by external experts. The creation of new open data sets, coordination and support of community activities and further development of the general topic open data and e-participation is done by the e-government initiative with help from the decentral IT-units in the different departments.

#### Upcoming steps and final results of implementation:

In the upcoming months, the new open data processes will be trained with the users in the city administration. In parallel, the platform will be set up and departments and enterprises of the city administration will make open government data available. The platform will go live in early summer 2014.

#### Dr. Raymond Saller (City of Munich, Germany)

Dr. Raymond Saller works for the unit European Affairs of the Department of Labor and Economic Development. He is responsible for the coordination of European projects and supports and facilitates the implementation and administration of different projects. He has European project experiences and is responsible for the participation of the City of Munich in various EU funded projects.

#### Wolfgang Glock (City of Munich, Germany)

Wolfgang Glock is a member of the Managerial Board ICT-Strategy and ICT-Controlling and responsible for IT-strategy, Enterprise Architecture Management and involved in topics concerning e-/o-government. He has an degree in computer science and experience of more than 20 years in providing IT-solutions in the whole range of their life-cycle especially in federal organisations and process/requirements management.

#### Dr. Peter Leitner (SYNYO GmbH)

Dr. Peter Leitner is Head of Research and Development at SYNYO. He holds two masters and received his PhD from the Vienna University of Technology. Dr. Leitner has extensive experience in the field of software engineering, practical programming skills, complex web platforms and collaborative systems. As well he was architect for large IT-Systems and has a broad know how on innovative Frameworks and Setups (Hadoop, Hbase, Lily, Solr, Pimcore, etc.). He has extensive project management skills combined with 13 years of practical experience. Beside his entrepreneurial activities he is a lecturer (Project Management and Software

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