

4<sup>th</sup> International Conference on

# BIG DATA ANALYSIS AND DATA MINING

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### **Big data – Big challenge for public administration – Experiences of pilot project in Ministry of Public Administration of Republic Slovenia**

The pilot project - Big data analysis for HR efficiency improvement has been established as part of the development oriented strategy supporting ICTs as an enabler of development of data driven public administration in Republic Slovenia. It has been run within Ministry of Public Administration of Republic Slovenia in collaboration with EMC Dell as an external partner. This pilot project has been launched aiming to learn what big data tool installed on Slovenian State Cloud Infrastructure could enable in terms of the research of HR data of our ministry to improve our efficiency. Therefore, anonymized internal data sources containing time management, HR database, finance database and public procurement had been combined with external resources using postal codes of employees and weather data to identify potentials for improvement and possible patterns of behavior. The results showed that there is considerable potential for improvement in the field of HR and lowering costs in the field of public procurement within our ministry.

#### **Biography**

Karmen Kern Pipan started her career in the private sector in the field of Informatics and Telecommunications and later continued in public administration for different positions at Metrology Institute of Republic Slovenia as Quality Manager and Head of Department for Quality and Business Excellence. Currently, she works as Secretary and Project Manager at Ministry of Public Administration of Republic Slovenia in IT Directorate. As an expert, she is involved in the field of Data Management, Business Intelligence and Big Data Analytics to improve data based decision making at Slovenian Public Administration. She collaborates a lot with successful Slovenian companies and international professional sphere to identify good practices in this field. She leads an inter-ministerial task force for the preparation of the Public Administration Development Strategy 2015-2020. She has published several papers in reputed national and international conferences and journals.

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