



Towards a Better Modelling and Assessment of Project Management Maturity in Industry 4.0

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Abstract. Companies are currently facing substantial challenges with regard to Industry 4.0. In order to adapt to this changing environment, companies are moving from operations-centered business to project-driven business. This change requires an evolution in project management. Researchers and practitioners, inspired by the PMBOK (Project Management Body of Knowledge), have created maturity models to compare and evaluate organizations, but they did not specify any methodology to create adapted models to face this technological change. Therefore, this paper proposes an approach to understand under on principles existing project management maturity models were based, and how it is possible to create a new project management maturity model applicable in the emerging framework of industry 4.0. Then, we illustrate the new approach with the construction of a project maturity model used to measure the planning capability. Finally, we define limitations of the model and future research directions.