

OSSMMOIs, an Open Innovation Maturity Model oriented to Open Source Software Adoption

Abstract. Nowadays, it is well-known that Open Source Software (OSS) offer attractive benefits (like time-to-market reduction, good software solutions, contributions to knowledge, among others), capable to generate competitive advantages but at the same time, high impact on business model, goals, processes, and risks. The main impact is related to innovations that come from both external and internal stakeholders. Therefore, the way in which an organization manages its internal innovation and opens to the external, constitutes a critical success factor for OSS adoption. We find a lack of support in organizations to identify (in terms of business goals reached) its readiness level to carry out OSS adoption projects in the environment of Open Innovation. In response, the present work proposes an Open Innovation Maturity Model oriented to Open Source Software adoption, OSSMMOIs¹, like a business support tool that facilitates this identification task in early adoption stages.

Keywords: Open Innovation, Open Source Software, Maturity Model, Business Goal Model

¹ Inspired in *Osmosis*, the essential process by which “the molecules of a solvent tend to pass through a semipermeable membrane from a less concentrated solution into a more concentrated one” (<https://en.oxforddictionaries.com>), delivering nutrients to the cells. In the business context, OSSMMOIs reflects the interchange among the organization and its stakeholders in the business ecosystem, to foster innovation, knowledge, and value creation/capture.