

Industrial research performance management: key performance indicators in the ICT industry

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Abstrak

This work, in co-operation with ABB Research, Deutsche Telekom AG Laboratories, EMC2 Advanced Technology Solutions, IBM Research, Intel Research, Microsoft Research.

Philips Research, and SAP Research, develops a systematic approach to performance measurement for industrial research organizations in innovation-driven companies.

The following questions are addressed :

- (1) Which research goals do research departments have?
- (2) Which KPIs do they use to monitor the achievement of these goals?
- (3) Is there a systematic best-practice approach to selecting KPIs for performance goals?

The outcome is a complete set of eleven performance clusters, such as the transfer of research results to the development or other organizational departments, and each cluster has its own set of KPIs. The eleven clusters are : technology transfer, future business opportunities, technical achievements, intellectual property, operational excellence, talent pool, image, publications, presence in scientific community, collaboration with academia, collaboration with partners and customers.