



The MEASURE project : Measuring Software Engineering

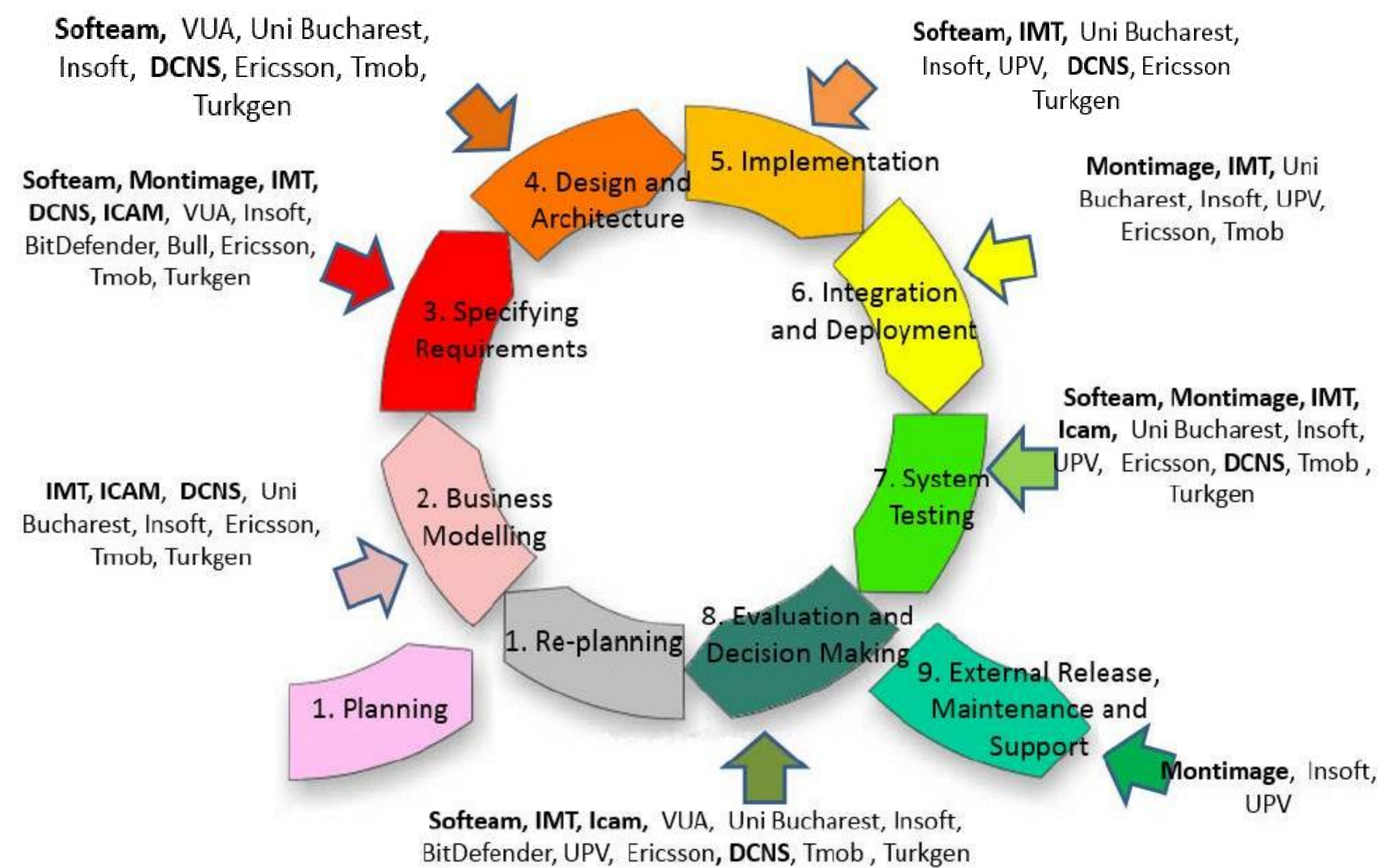
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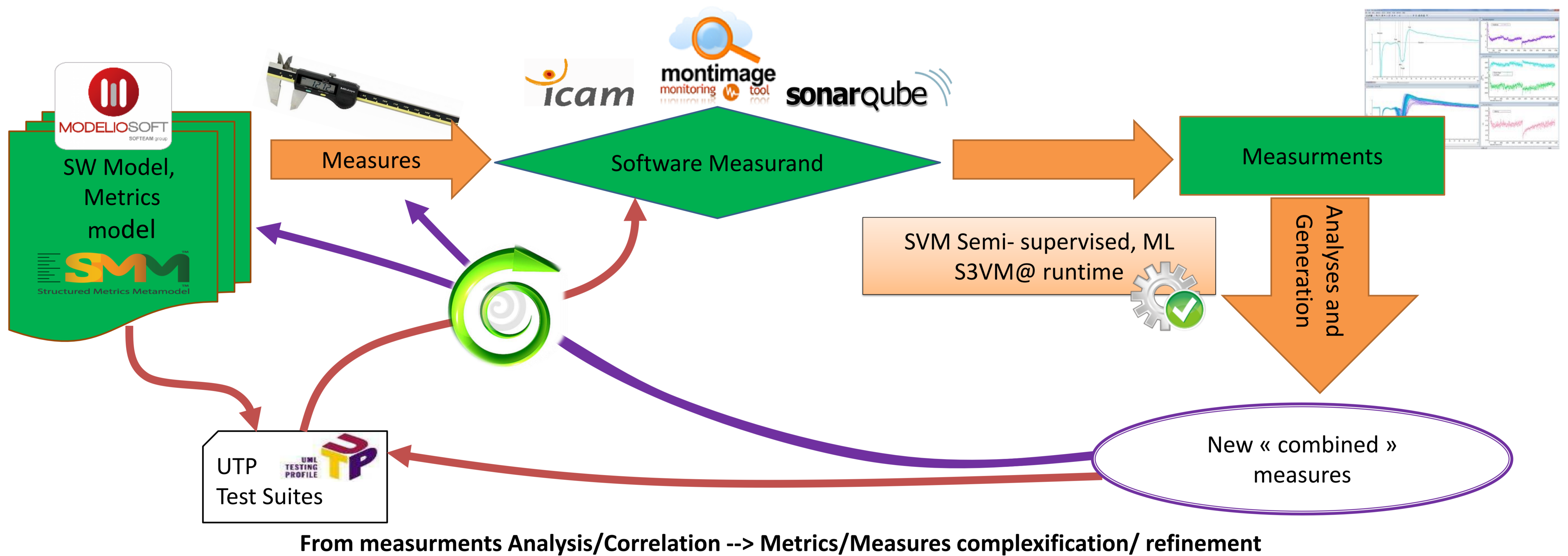
Context and Objectives

- **Context:** The demand for cost-effectiveness and higher quality is increasing due to the competition in software industry and complexity of the developed systems. Due to the modern iterative development practices and new tools & methods the traditional metrics and evaluation methods are no longer sufficient.
- **Objective :** The goal of the project is to increase the quality and efficiency as well as reduce the costs and time-to-market of software engineering in Europe.
- **Innovation:** By implementing a comprehensive set of tools for automated and continuous measurement. This project provides a tool set for future development projects to properly measure their impact. The real innovation will be in the advanced analytics of the measurement data enabled by the project.

Key selling points within ITEA3 context



MEASURE Approach...



Project idea description

- Define new metrics and methods for measuring and improving the efficiency and quality of modern software engineering activities and products.
- Provide objective performance measurements and data visualization to help management in decision making .
- Enable automated measurement and visualization.
- Provide tool and process integration for automated measurement and continuous improvement.



MEASURE will provide a more advanced approach, offering developers, designers and testers an environment where the metrics of different phases of work can be correlated and analyzed to give the best possible feedback.

Real case studies

Case Study 1:

DCNS combat system

With Measure, DCNS intends to optimize its software factory related to naval ships using better tools and methods and comprehensive indicators in order to pilot the developments.



Case Study 2:

Modelio Tool

SOFTEAM, as developer of Modelio UML Tool, will improve the quality of its own design processes and implementation of its code.

The Modelio tool will provide measurements integrating input from all development phases.

