A manifesto for process improvement and innovation

ECQA Conference
1\textsuperscript{st} October 2010
Budapest
Background

- 1979 Master in System development Aalborg University
- 1980 -1995 Brüel & Kjær
  - Developer, project manager and process improvement
- 1995 - ? DELTA
  - Maturity assessor
  - Department manager
  - Innovation consortium project manager
  - Trainer in Project Management, Configuration Management, Innovation Manager, Scope Manager and Process Improvement Manager
  - SPI Manifesto
  - ISO/IEC 33014 Guideline for Process Improvement
What is a Manifesto?

A often written declaration which state a particular group of peoples opinion or goal

- The SPI Manifesto states a large group of SPI experts beliefs in
  - Which values SPI gives
  - Which practices supports the values
- Express state-of-the-art knowledge in SPI
- Based on hundreds of person-years of practice and experience
What is a manifest for?

- Obtain knowledge on SPI
  - On values
  - Principles
  - Examples
- Experience for use as responsible for SPI
- Supports change
- Basis for improvement
Process

• EuroSPI Conference 2009 workshop in Alcalá in Spain
• A group of experts from all over the world
  – 15 presentations on values and principles
  – 30 workshop participants
• Authors, reviewers and 2 editors
• 2 to 3 iterations
• It took 5 months
Workshop:
WE TRULY BELIEVE THAT SPI ...
WW TRUST THAT THE FOLLOWING PRINCIPLES SUPPORT THE VALUES ...
What will happen now?

- EuroSPI is promoting the SPI Manifesto
  - All papers will be sorted in relation to the structure in the SPI manifesto
  - EuroSPI conference workshops will support the principles with experience and knowledge
  - EuroSPI 2011 in Roskilde Denmark 27. to 29. June
- The SPI Manifesto are used in the ECQA certified Process Improvement Manager
- ISO/IEC 33014 – Guidance for process improvement
SPI Manifesto

SPI MANIFESTO

VALUES
We truly believe that SPI

A | People | Must involve people actively and affect their daily activities
N0T to show off or be focused on management store

B | Business | To what you do to make business successful
N0T to focus on deploying a standard, reach a maturity level, or obtain a certificate

C | Change | Is inherently linked with change
N0T continuing as we do today

PRINCIPLES
We trust that the following principles support the values

<table>
<thead>
<tr>
<th>People</th>
<th>Principles</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Know the culture and focus around</td>
<td>Support the organization’s vision and objectives</td>
<td>Manage the organizational change in your improvement effort</td>
</tr>
<tr>
<td>Minimize the people involved</td>
<td>Support the organization’s vision and objectives</td>
<td>Ensure all parties understand and agree on process</td>
</tr>
<tr>
<td>Base improvement on experience and measurements</td>
<td>How dynamic and adaptable models are needed</td>
<td>Do not lose focus</td>
</tr>
<tr>
<td>Create a learning organization</td>
<td>Apply risk management</td>
<td></td>
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From: Manifesto
Jørn Johansen is the manager of the Software Technology Department at DELTA. He has an M.Sc.E.E. from Aalborg University and has more than 30 years experience in IT. He has worked for 15 years in a Danish company with embedded and application software as a developer and project manager. Mr. Johansen has been involved in all aspects of software development: specification, analysis, design, coding, and quality assurance. Furthermore he has been involved in implementation of an ISO 9001 Quality System in the company, and was educated to and functioned as internal auditor.

For the last 16 years he has worked at DELTA as a consultant and registered BOOTSTRAP lead assessor and for the last 4 years he has been the department manager. He has participated in more than 40 BOOTSTRAP and CMMI assessments in Denmark and abroad for companies of all sizes. He was the project manager in the Danish Centre for Software Process Improvement project, a more then 25 person-year SPI project and is currently the project manager of a Danish SPI project: Talent@IT. This is a 26 person-year project that involves 4 companies, the IT University in Copenhagen and DELTA.

Now Mr. Johansen is project manager of the new project SourceIT, which ia a 18 person-year project that involves 3 companies, Roskilde University and DELTA.

Mr. Johansen is also the co-ordinator of a Danish knowledge exchange group: Improving the Software Development Process, which is the Danish SPIN-group.

Jørn Johansen, can be contacted at DELTA; Danish Electronics, Light & Acoustics; Venlighedsvej 4; DK 2970 Hoersholm; Denmark; Phone +45 72 19 40 00. Fax +45 72 19 40 01 E-mail: joj@delta.dk

World Wide Web: www.delta.dk or www.deltaaxiom.com
Litteratur

- **Improving Software Organizations:** From Principles to Practice

- **Practical insight into CMMI:** The look and feel of a successful implementation.

- **Measuring the Software Process:** Statistical Process Control for Software Process Improvement.

- **ImproveIT:** A book for improving software projects.

- **Requirement Development and Management:** Anne Mette Jonassen Hass, TecPoint rapport DF-17

- **CMMI:** Guidelines for Process Integration and Product Improvement.
  Mary Beth Chrissis, Mike Konrad & Sandy Shrum Addison-Wesley, 2006, ISBN 0-321-27967-0

- **Software projektestimering:** Jan Pries Heje, Tecpoint rapport DF-11