



Business / IT Alignment



Prof. Alain Wegmann
Solutions for Business / IT Alignment

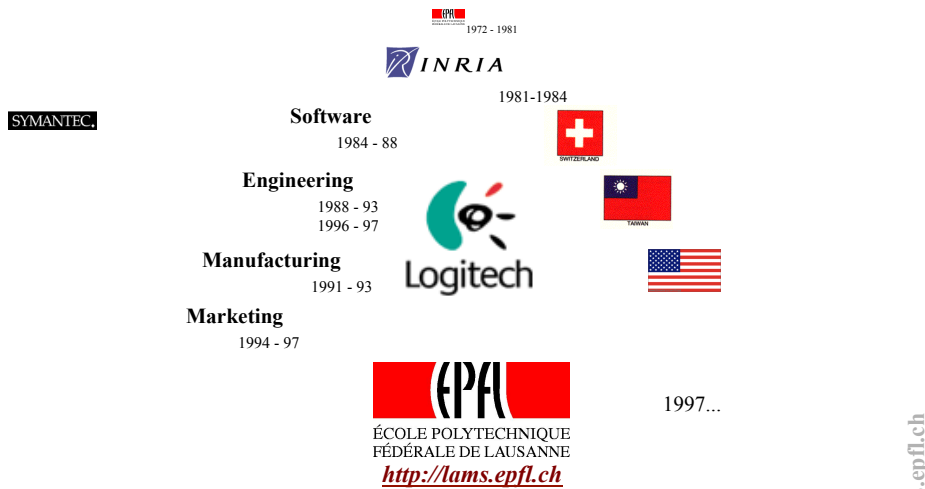
URL: <http://lams.epfl.ch/>
EPFL – I&C - LAMS
Station 14
CH-1015 Lausanne, Switzerland
Tel: +41 (0) 21 693.4381
Email: alain.wegmann@epfl.ch

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A. Wegmann's CV



Domain: enterprise architecture = strategic management + software engineering

Method: SEAM – a method for business / IT co-evolution

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SEAM Main Purpose



- Collaborative tool to develop a shared understanding of business and IT
- Similar to mindmap but adapted to business and IT design



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SITRA EXAMPLE

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SITRA – Example

- SITRA
Système d'information Rhône-Alpes Tourisme
<http://www.sitra-rhonealpes.com/>
- 300 tourist offices, 8 departments, 2 regions
- 3 full-time people + 7 allocated people
- highly cooperative



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SITRA – Day 1



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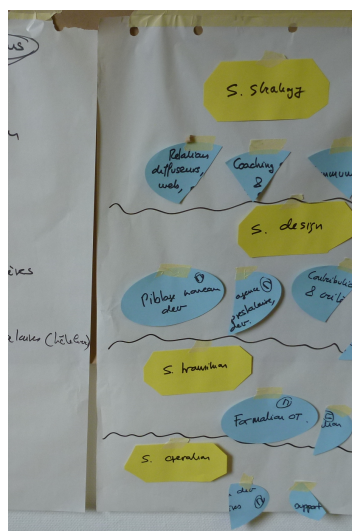
SITRA – Day 2



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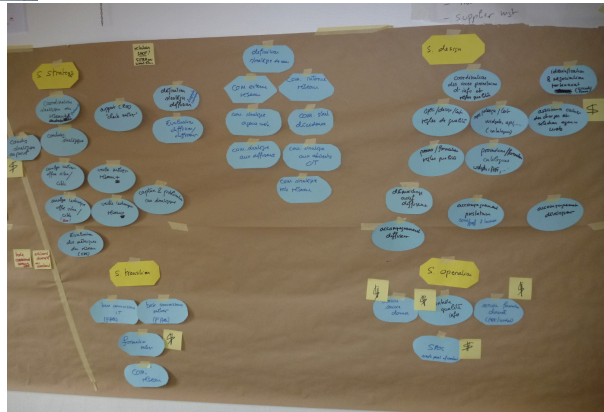
SITRA - Service Definition (Initial)



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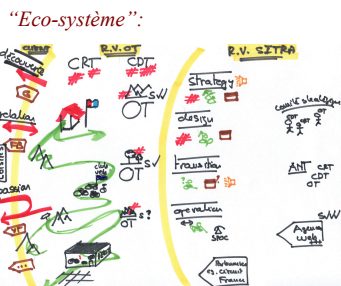
SITRA Service Definition (Workshop Result)



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SITRA Strategy (1)



Loisirs:



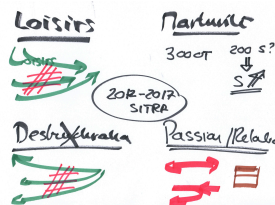
Maturité:



Déstructuration:



Passion, relation:



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SITRA Strategy (2)



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SEAM

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SEAM



Tool for business and IT co-evolution



Image: <http://www.fabricnewsandfashion.blogspot.com/2009/09/hoodie-templates-to-explain.html>

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SEAM - Facts & Figures



- Developed since 2001 by the group of prof. A. Wegmann
- Applicable for academy (teaching) and industry (requirements elicitation, enterprise architecture,)
- Based on systems thinking & ISO/ITU RM-ODP
- Include discipline-specific theories: strategic management, requirements engineering, IT architecture, project management, ...
- Open, publicly available

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Adopters



Business:



partner



L'information touristique



part of OMNOVA

Business / IT:



AIDE ET SOINS
À DOMICILE



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Consulting:



Enabling Better Relationships

partner



IT GOVERNANCE & CONSULTING

partner



partner

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SEAM LAMS/EPFL Credits



- Guy Genilloud - RM-ODP & Alloy
- Andrey Naumenko - Phd 2002 – RM-ODP
- Gil Regev - Phd 2003 – goal modeling
- Otto Preiss - Phd 2004 – quality modeling
- Pavel Balabko - Phd 2005 – role modeling
- José Diego de la Cruz - Phd 2007 – declarative semantics
- Irina Rychkova - Phd 2008 – operational semantics
- Lam-Son Lê - Phd 2008 – system modeling
- Arash Golnam - Phd 2013 – business strategy
- Anshuman Saxena - Phd – value & policy modeling (2009 - ...)
- Biljana Bajic - Phd – SEAM to code (2010 - ...)
- Gorica Tapandjjeva - Phd – Enterprise architecture (2013 - ...)
- Julien Ramboz - tools & methods
- Blaise Carrupt - tools
- Gil Regev - (overall SEAM, system thinking)

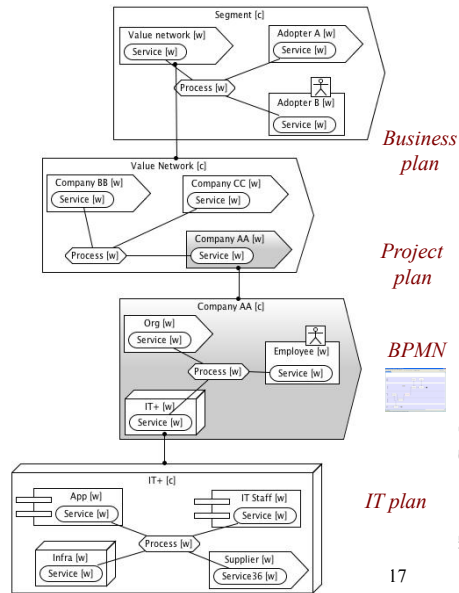
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SEAM Method

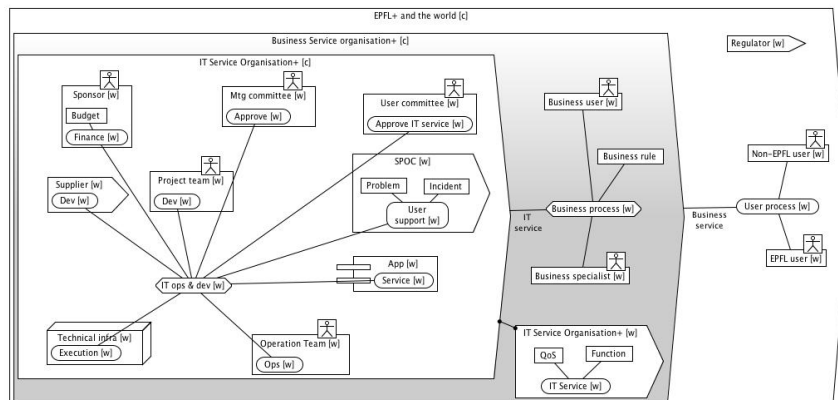


- **Systemic**
(hierarchical complex systems, networked organizations)
- **Concrete**
(project-based, name of people and organization, examples, ...)
- **Rigorous**
(discrete simulation, system dynamics, logic)
- **Subject-based**
(viewpoints, goals)



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SEAM and Governance

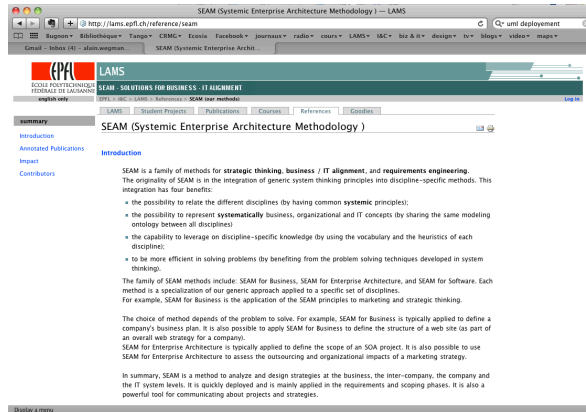


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References



- <http://lams.epfl.ch/reference/seam>



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Prof. Alain Wegmann
alain.wegmann@epfl.ch
+41 21 693.4381

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