Module Information on the Stakeholders part of the ESA Course

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Abstract

Introduction to the Stakeholders part of the Embedded System Architecting course.

4th January 2002
status: draft
version: 2.0

ESA Course, Stakeholders Part

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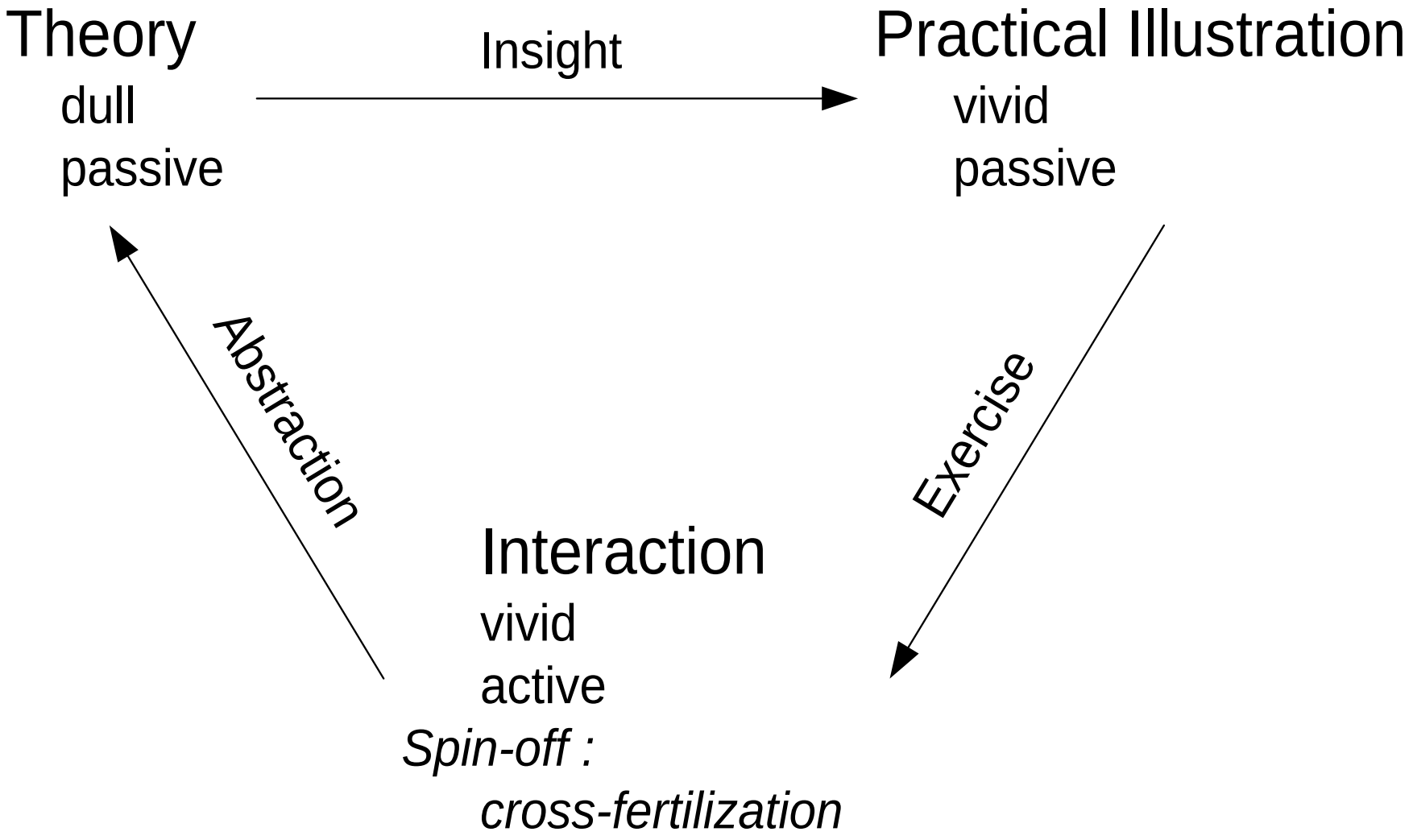
Abstract

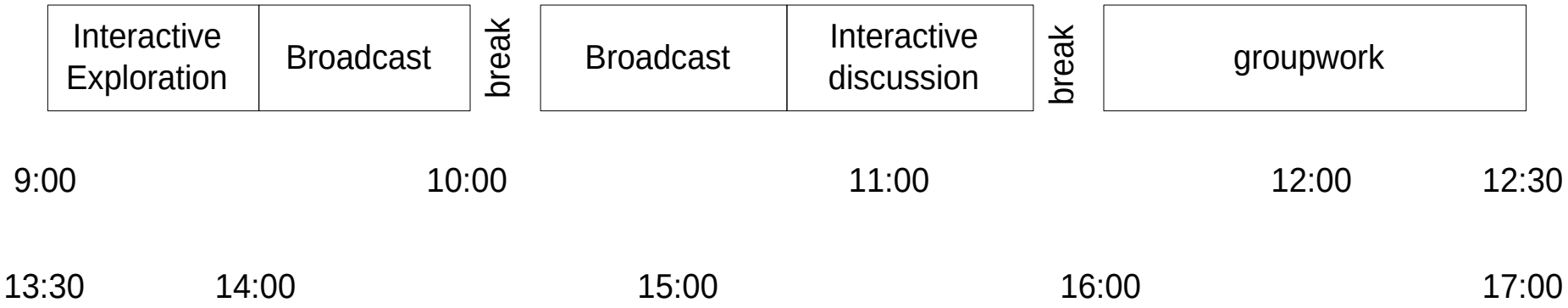
The Eindhoven Embedded Systems Institute, EESI, organizes an Embedded Systems Architecture Course, the so-called 4S course. The 4 subjects of the course are: Silicon, Software, Systems, and Stakeholders. This presentation shows the Stakeholder part of the 4S course.

4th January 2002
status: draft
version: 1.4

Complementing Forms



Template of One Session



Course Program

Time	Subject
Session 1	Positioning product creation and system architecture in the business context
Session 2	Requirements capturing
Session 3	Role and task of the system architect; psycho-social side
Session 4	Product families and generic developments
Session 5	Roadmapping
Session 6	Documentation, reviewing, and other supporting processes; Wrap up

Rules of the Broadcast Part

- Please write your questions/remarks/statements on yellow stickers and attach them at the end on the P-flip.

  These will be used in the interactive section for discussion and to increase insight.

- Short clarification questions are welcome,

  Discussion will take place in the interactive part.

- Stupid questions don't exist. Learning is based on **safe** and **open** interaction.

  Very individual-oriented questions can be referred to a break or after the session.

Rules of the Interactive and the Practice Part

- Your contribution is essential.

- Don’t monopolize the time. Everyone, also the quiet people, should have the opportunity to contribute.

  The facilitator will intervene if the contribution is limited to a small group of participants.

- Respect the contribution of others.

  Opinions can’t be wrong, difference of opinion is normal and called pluri-formity.

- The course format is highly experimental and based on improvisation, constructive proposals are welcome.

  It is your course! Regular evaluations will give the opportunity to influence the rest of the course.

Evaluation of the Expectations

Please write your name and expectations with a marker on one A4 page.

Describe your expectations as one-liner or in a few keywords.

These pages will be displayed on the wall of the room.

At the end of the course we will look back on these expectations, with the purpose of two-way learning.

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Abstract

The Gaudí project is described. The goals of the project, the way of working, and an outline for the period 2001 to 2003. The deliverables in terms of documents are positioned by means of a two-dimensional map. Courses based on the Gaudí material are described. The current status of the courses is given.

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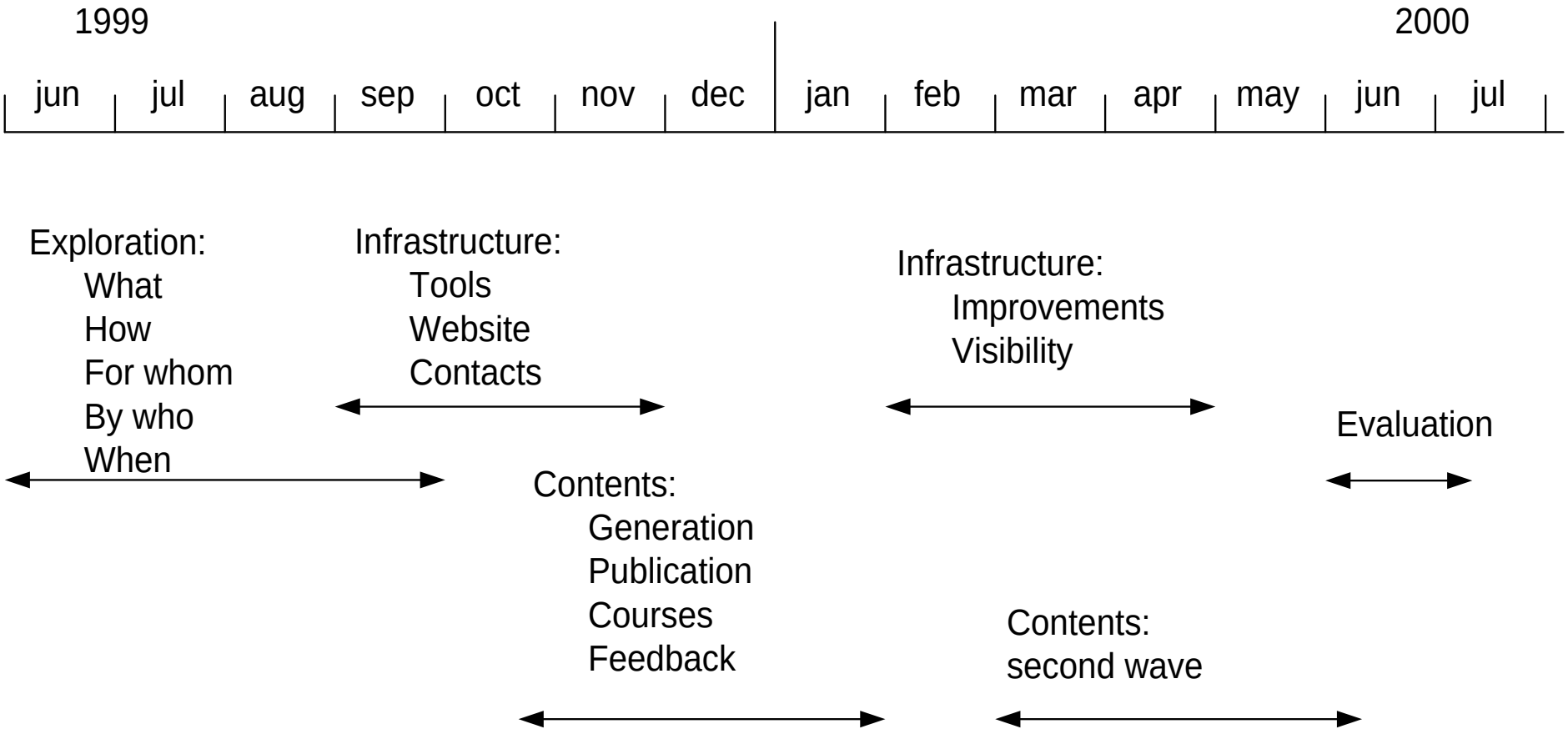
Goals of the Gaudí Project

- Consolidate existing System Architecting Methods
- Make the System Architecting art more accessible
- Enable the education of (future) System Architects

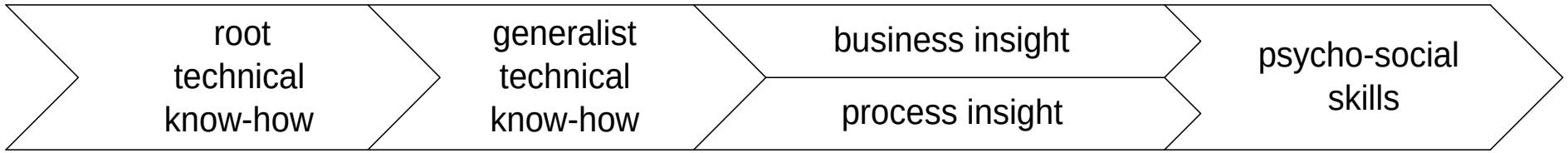
Concurrent Incremental Approach



Outlook 2001-2003

Courses	SARCH for managers	proposal for SA curriculum	new pre-SARCH or post-SARCH course
	ESA by other teachers	SARCH by other teachers	
Documents	Exploring presentations: Light weight architecting (april) From fuzzy to SMART (june) How to transfer experience (sept) Architectural refactoring (sept) Business Rationale (nov)		Consolidation of Architectural Reasoning: Multi-view architecting model Multi-view architecting method Model for reasoning Methods for reasoning Integral method Integral model
Architect Networks	Contact Group SE South East Netherlands		
	network of SARCH participants		network of Philips architects
Tools, website	low-key automation		
	Internal Philips Sysarch website		

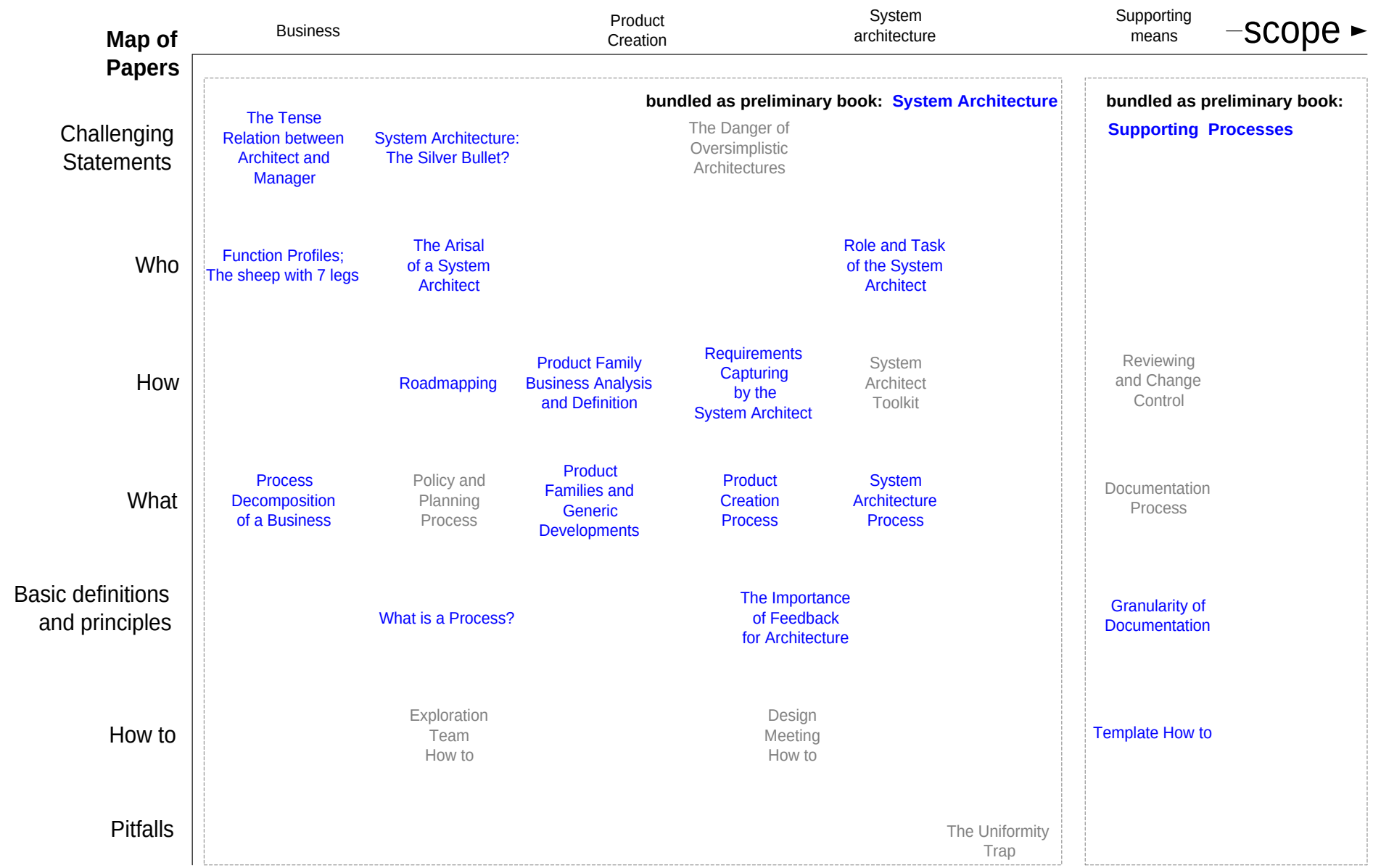
Growth of the System Architect



Gaudí Process

- frequent releases
- early accessibility (in infancy stage)
- encouragement of further distribution
- aimed at maximum feedback

Positioning Gaudí Documents



Courses based on Gaudí Material

Course	Abbreviation	Duration (in days)	Participants per course	Target audience
System Architecture	SARCH	5	16	Architects Stakeholders of architects
Embedded Systems Architecting; Stakeholders	ESA	3	16	Potential architects
Requirements Engineering as part of OOTI curriculum	OOTI	5	12-18	Post-doctoral students

Status of Courses

Course	Abbreviation	Number of courses before July 2001
System Architecture	SARCH	9
Embedded Systems Architecting, Stakeholders	ESA	3 internal, 2 EESI
Requirements Engineering OOTI	OOTI	2

Course Modules

No.	Content	SARCH	ESA	OOTI
0	Course information (course-specific), Gaudí project	+	+	+
1	Positioning the system architecture process, product creation process	+	+	
2	Role and task of the system architect	+	+	
3	Requirements capturing	+	+	+
4	System architect toolkit	+		
5	Roadmapping	+	+	+
6	Product families, generic developments	+	+	
7	Documentation, reviewing and other supporting processes	+	+	
8	The role of software in complex products	+		
9	Psycho-social side	+	some	
10	Wrap up, expectations, how to continue, evaluation	+		