

# **Swiss Virtual Campus: Transition from the Impulse-Program Towards a Consolidation Program**

**Peter Stucki, President SC-SVC**

## Content

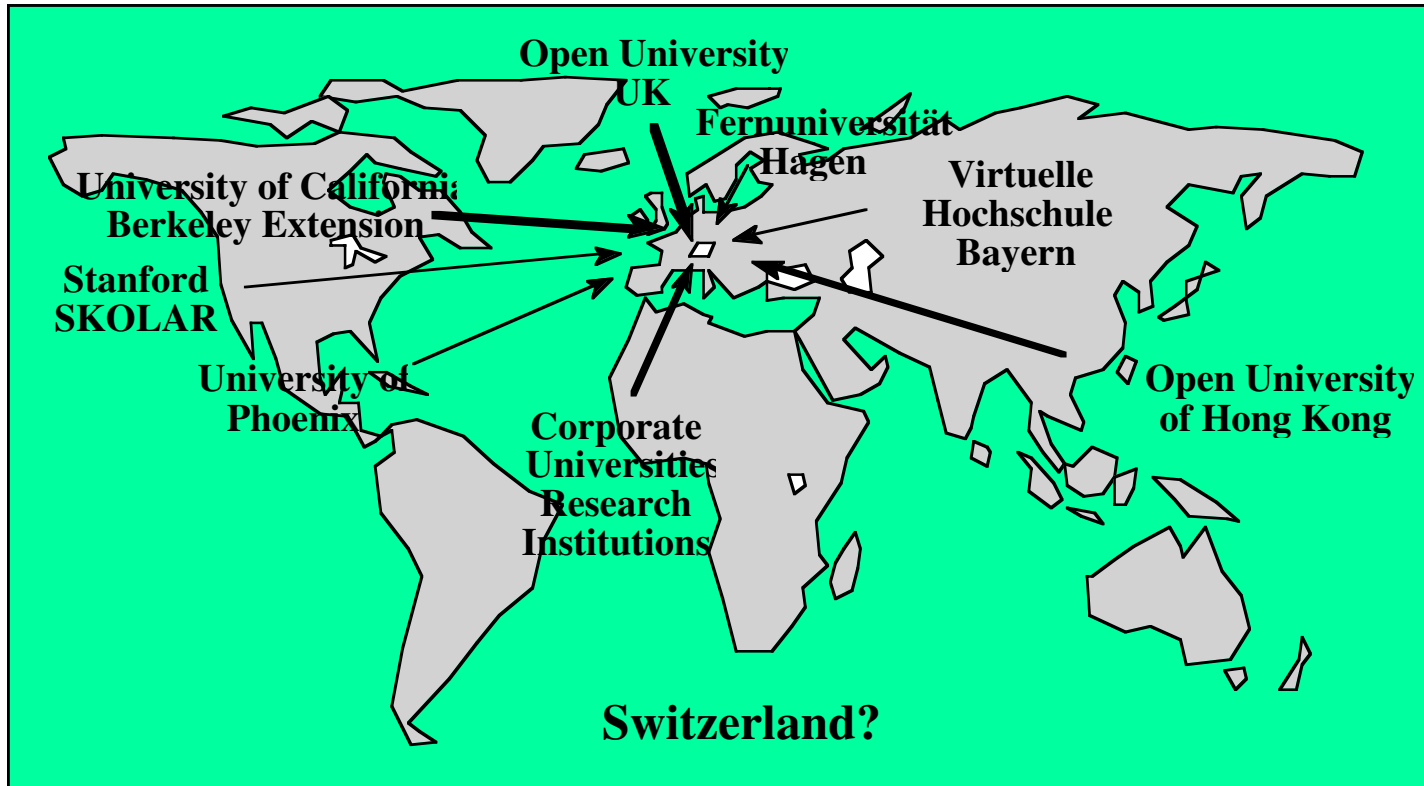
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- 2. SVC Impulse Program**
- 3. Outcome of the E-Site Visit Fall 2002**
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- 5. Status**
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Virtueller Campus Schweiz  
Campus Virtuel Suisse  
Campus Virtuale Svizzera  
Swiss Virtual Campus

*SUK.CUN*

## Course Offerings on a Global Scale



The Networked Globe

## The Swiss Virtual Campus

### Impulse Program (2000 - 2003): Objectives, Goals and Targets

Support building of competences and institutional networks for the development of online education and its use at higher education institutions in Switzerland (Universities, Swiss Federal Institutes of Technology, Universities of Applied Sciences).

Create networks of experts, support the development of 'content'-, 'learning-by-doing'- and 'assessment'-units, anchor 'network-based thinking and acting' and foster field-tests with student-learners for a total of approximately 50 courses/modules by YE 2003.

Service a large student user community by 2004 and enforce that successful participants be awarded ECTS credits.

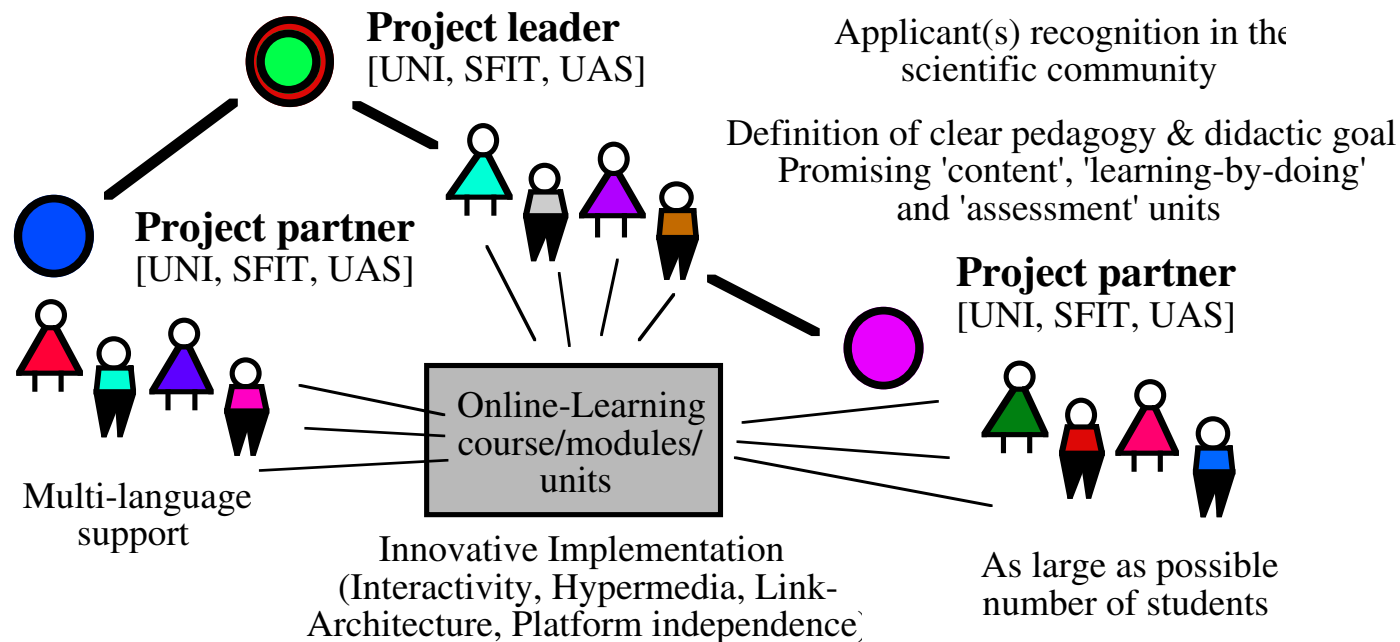
## Swiss Virtual Campus

### Impulse Program (2000 - 2003)

**Strategic Visions**      **Support change and not status quo,**  
**'Need-to-have' and not 'nice-to-have',**  
**Development and not research,**  
**Sustainability and not an experiment.**

**Financial Support**      **CHF 50 Mio. / Euro 35 Mio. / US\$ 32 Mio.**  
**Based on a 50%/50% Government/Institution**  
**cost splitting model.**

## Swiss Virtual Campus Conditions for Project Support



Educational institution: Financial support and credit system infrastructure (ECTS)

## The 50 Projects by Discipline

### Physics, Mathematics and Informatics (4)

- Virtual Nano Lab (UniBS)
- Sim. of dyn. Processes (FHZH)
- Virtual Logic Lab. (UniBE)
- Information Theory (UniL)

### Education (4)

- NDIT-Online (FHBE)
- Forum New Learning (FHBE)
- Cont. Edu. Mod. (SUPSI)
- Proj. Orient. Learning (FHAG)

### Art & Humanities (7)

- Latinum Electronicum (UniBS)
- Art History 1300-2000 (UniBE)
- SWISSLING (USI)
- Syst. Th. for Soc. Sc. (UniLU)
- Ancient History (UniFR)
- Spanish Grammar (UniL)
- Meth. in Soc. Sc. (UniZH)

### Medicine (10)

- Basics for Med. Stat. (UniBS)
- Dermatology Online (UniZH)
- Computer for Health (UniGE)
- Medical Embriology (UniFR)
- e-BioMed (UniL)
- Tropical Medicine (UniBS)
- Basic&Clin.Immunology (UniL)
- Basic&Clin. Pharmacology (UniZH)
- Alzheimer's disease (UniZH)
- Virtual Skill Lab (UniL)

### Engineering and Information Technology (8)

- Virtual Telecom. Lab. (UniBE)
- Mobile Classroom (FHSO)
- Fund. of Sig. Proc. (FHZH)
- H Bridge Power (FHBB)
- Inf. Retrieval (HESGE)
- Geogr. IT Training (UniZH)
- Interstructures (EPFL)
- Finite El. Analys. (FHAG)

### Environmental and Life Sciences (6)

- Planet Earth to Discover (UniL)
- Natural Hazard (ETHZ/CENAT)
- Chemistry for Life Sc. (UniL)
- Do It Your Soil (UniNE)
- Alpine Ecology&Env. (UniZH)
- Pharmaceutical Chem. (UniBS)

### Economics, Finance and Law (4)

- Corp. Finance (UniZH)
- Financial Markets (UniBS)
- European Law (UniFR)
- Family Law Online (UniSG)

### Business Administration (6)

- Sport Org. Mgmt. (UniL/IDHEAP)
- Publ. & Priv. Env. Mgmt. (UniGE)
- Oecotrophology (FHZH)
- Operations Mgmt. (UniBE)
- Marketing Online (UniL)
- Env. Mgmt. (FHBE)



Virtueller Campus Schweiz  
 Campus Virtuel Suisse  
 Campus Virtuale Svizzera  
 Swiss Virtual Campus

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## Swiss Virtual Campus Event

### Swiss Virtual Campus Impulse Program Phases 2000-2003

<p><b>Call for contributions and project launch.</b> 2000</p>	<p><b>Content selection and structuring, platform selection and prototyping.</b> 2001</p>	<p><b>Content refinement and learning-modul production. IP &amp; Rights mgmt.</b> 2002</p>	<p><b>Learning modul production, field test experiments and program validation.</b> 2003</p>
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Time

**SVC Information Day (Fribourg)**

**SVC Information Day (Lugano)**

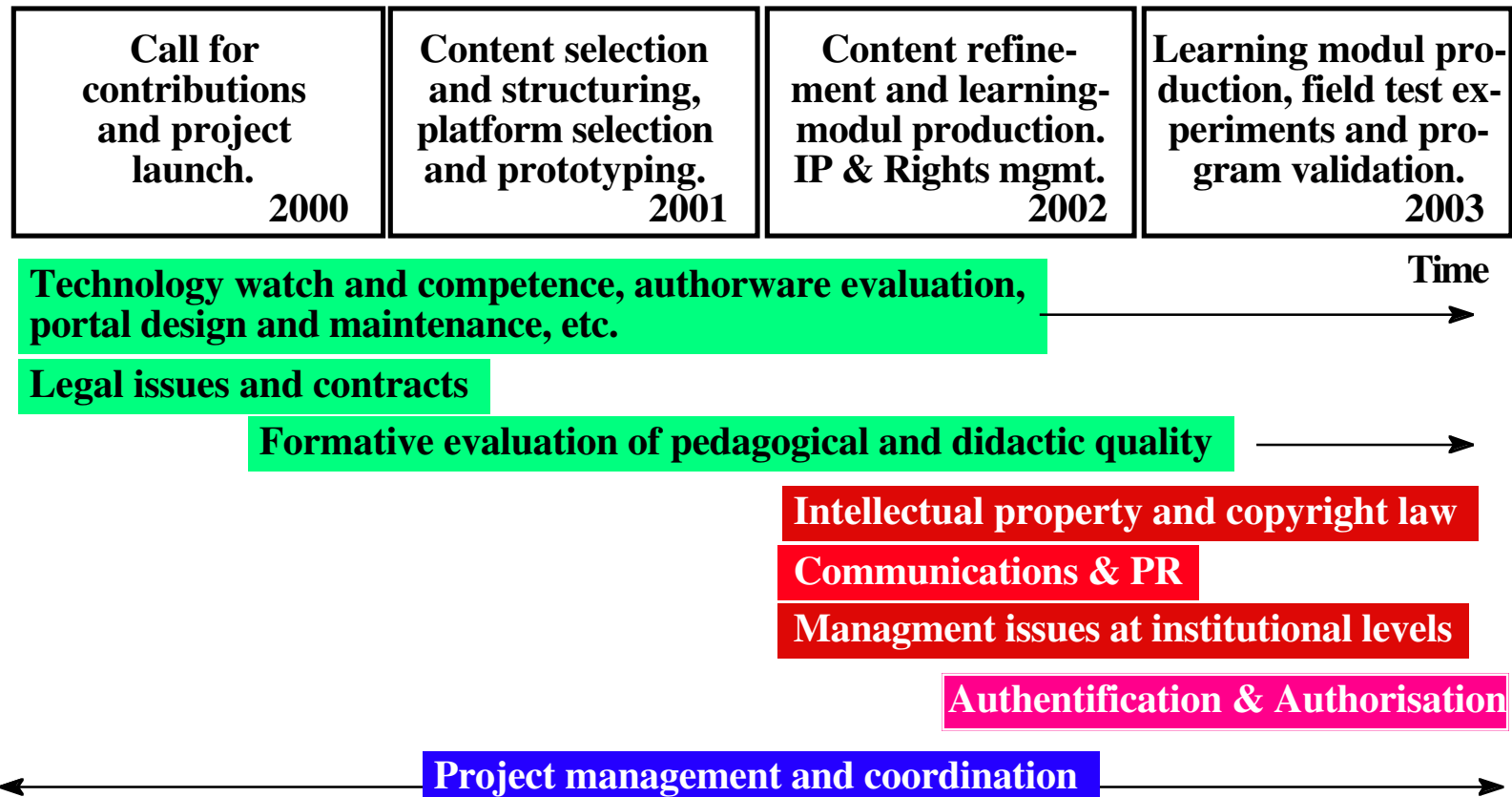
**SVC Information Day (Luzern)**

**SVC Managers Meeting (Bern) Reporting, Legal, Consolidation Program**

**SVC Managers Meeting (Bern) Field Test and Sustainability**

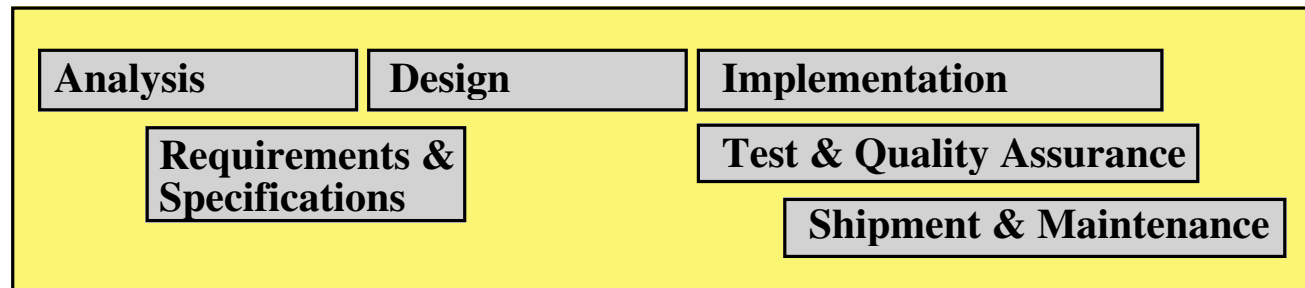
→ **Specialized meeting: Didactics&Pedagogy, Platforms and Framewoks, Authentification&Authorisation, etc.** →

## Selection of Swiss Virtual Campus Mandate

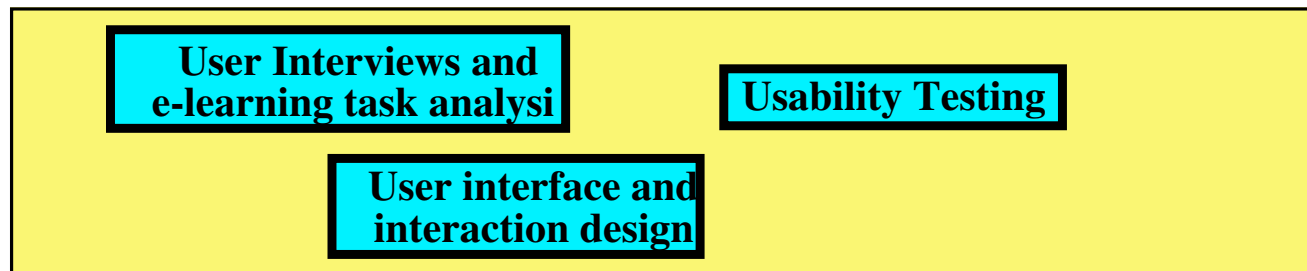


## Web-Based Course Design and Implementation Project Management Issues

- **Redefine portfolio of conventional product development process elements**



- **Include user interviews and e-learning task analysis, conceive user interface and interaction design as well as perform usability tests**



## High-Level SVC-Project Inspection (May 2002)



Peter Stucki, SVC Seminar Field Tests & Sustainability, Bern, December 3-2, 2002.

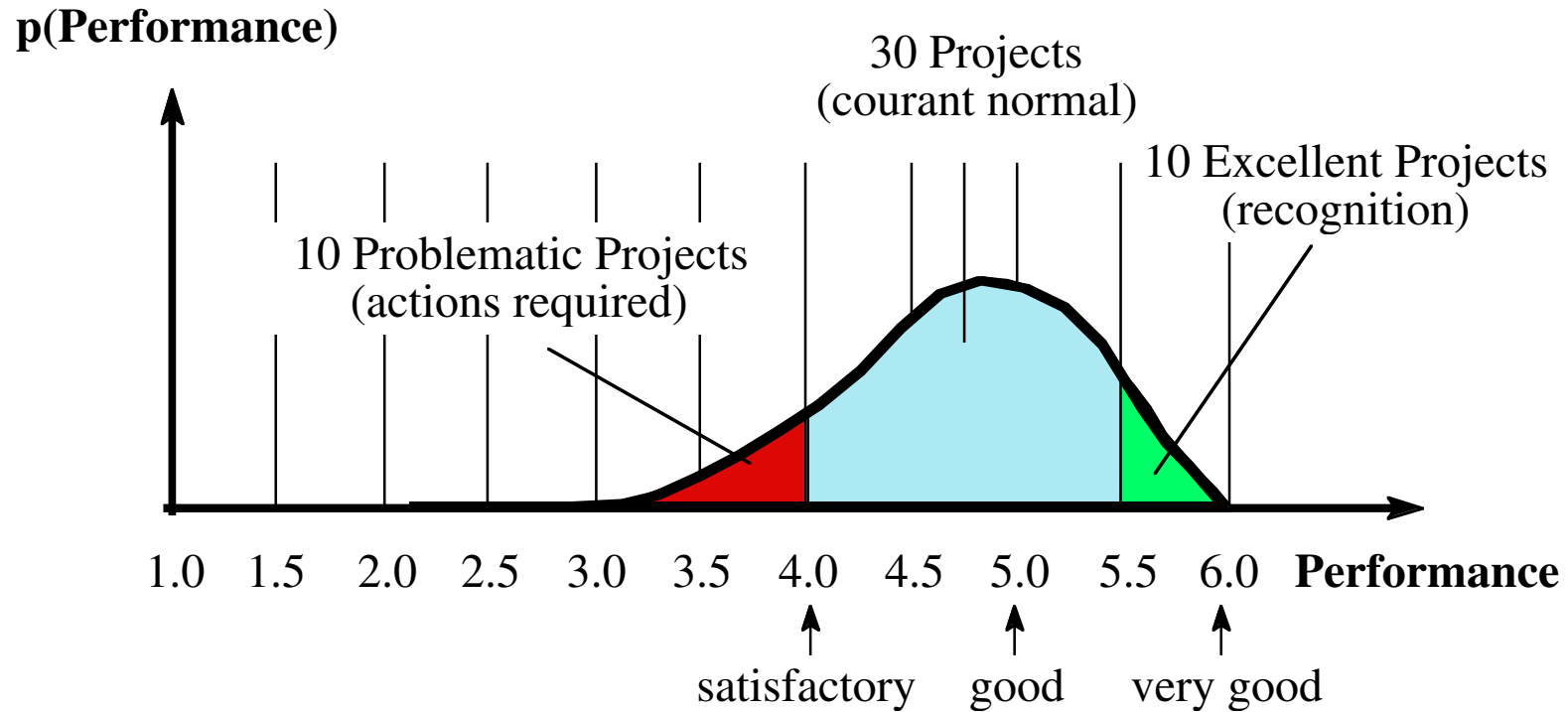
## **SVC E-Site Visits Fall 2002**

### **Checklist**

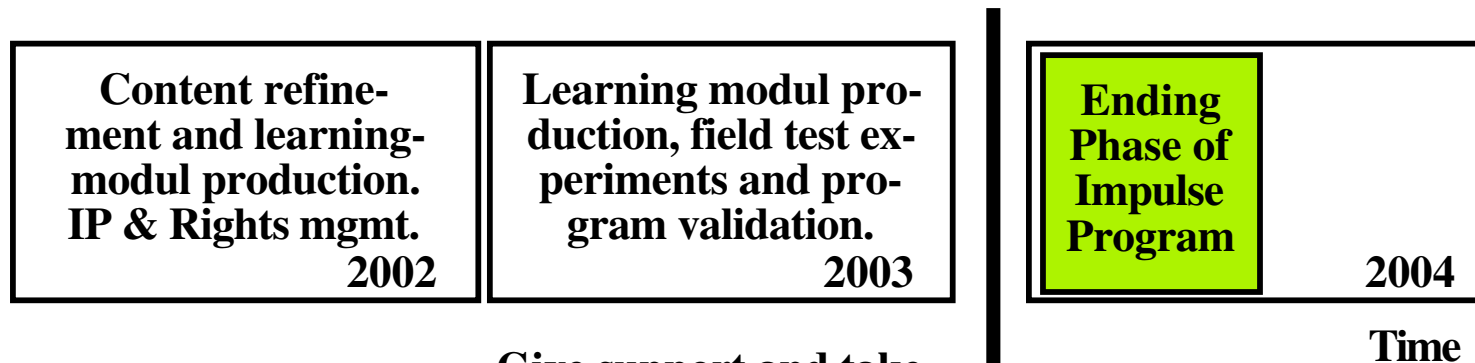
- **Conformity of Results to Original Project Proposal**
- **Financial Aspects**
- **Teaching Aspects**
- **Technical Aspects**
- **Tutoring / Student Counseling**
- **Project Organisation and Network Functioning**
- **Integration into Curriculum**
- **Sustainability**
- **Student Assessment**
- **Timescale**
- **Specific Problems**

## E-Site Visits Fall 2002

### Results/Performance



## Swiss Virtual Campus Impulse Program: The Next Step



**Give support and take decisions on 'Problematic Projects'**

**Learntec2003  
February 4-7, 2002**

**SVC Information Days  
May 26-28, 2002 (Luzern)**

**Program Evaluation Requested by the BBW**

- **Phase I: Program Organization**
- **Phase II: Individual Projects**
- **Phase III: Fields Experiments (Students)**

## **SVC Impulse Program Final Evaluation (Instructions received from BBW)**

- **Mandate do be issued by SUC**
- **Evaluation should be based on scientific evidence**
- **Should include SVC-Program and -Projects**
- **Must be fianced by SVC-Program**
- **Should be completed by mid 2004**
- **Content must be made public**
- **Evaluators must have relevant scientific competence**

## Swiss Virtual Campus Impulse Program

### Summary of Project Status

<p><b>Dec. 2002</b></p>	<p><b>50 Projects under development.</b>  <b>Well balanced and broad selection of disciplines (humanities, natural-, medical-, engineering- and social-sciences).</b></p> <p><b>Most projects are in the production phase</b>  <b>Large-scale field experiments scheduled for 2003.</b></p>
<p><b>Approaches</b></p>	<p><b>Mostly blended learning structure, some problem-based</b></p>
<p><b>Platforms</b></p>	<p><b>Mostly WebCT, linked HTML structures, etc.</b></p>

## Swiss Virtual Campus Impulse Program Mid-Term Program Assessment (2002)

### The Swiss Virtual Campus Impulse Program (2000 - YE 2003)

- + Creation of '-e-Learning' awareness in Switzerland and abroad (in particular teachers)
  - + The program enjoys remarkable **institutional support**
  - + First national initiative that **embraces all higher educational institutions** in Switzerland (Universities, Swiss Federal Institutes of Technology and the Universities of Applied Sciences)
- 
- There are some **foreseeable weaknesses** (pedagogic-didactic shortcomings, missing interactivity, reliability issues, intellectual property violations, production volume and field acceptance)
  - **It is likely that not all courses/modules will stand against important sustainability criteria**

**General Fact: New technologies -> new applications -> new services -> new, generally unknown expectations and behaviour.**

## **Swiss Virtual Campus Impulse Program Lesson Learned**

**In education and learning, content is build on previous content,**

**Powerful tools can support creative content development  
for e-learning,**

**Refinement for usability of e-learning modules is an  
interdisciplinary and social process,**

**Content development and cerative work is not  
complete until it is successfully disseminated.**

## Swiss Virtual Campus Proposal for a Consolidation Program (2004-2010)

- Core Topics  
(CHF 50 Mio.)**
- 1. Provide maintenance and user community support for qualified SVC impulse program projects**
  - 2. Establish a minimum of one professional production team at each higher education institution**
  - 3. Initiate another call for proposal for online course/module development**
  - 4. Initiate a coordination body that takes care of inter-institutional e-learning matter such as pedagogy/didactics, hardware, software and licencing coordination, copy-right, intellectual property and right management issues, marketing, internationalization, etc.**

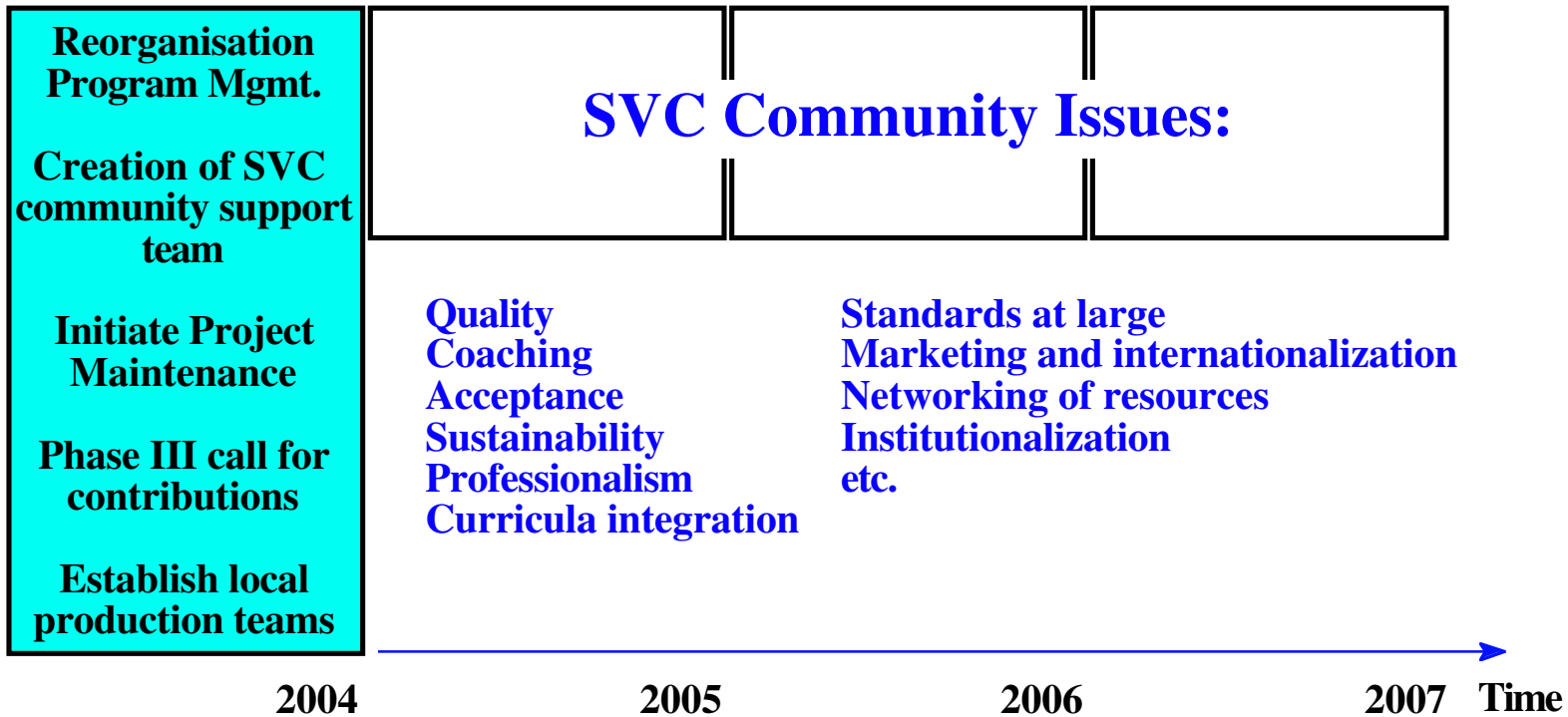
## Message Received November 30, 20

**Nous profitons de cette occasion pour vous signaler que le Conseil fédéral a, aujourd'hui même, adopté le Message relatif à l'encouragement de la formation, de la recherche et de la technologie pendant les années 2004-2007. Dans ce Message, le Conseil fédéral propose à l'Assemblée fédérale, dans le cadre des contributions liées à des projets destinées aux universités cantonales, un montant de 37 millions de francs pour le Swiss Virtual Campus.**



**Ending  
 Phase of  
 Impulse  
 Program**

## Transition into the Swiss Virtual Campus Consolidation Program 2004-2007 (awaiting tasks)



## **Acknowledgment and Thanks**

**Steering Committee Members**

**The SVC Coordination Office**

**All Project Leaders and Project Partners**

**All Professionals Involved in SVC Projects**

**Commission SVC**

**Swiss University Conference**

**Bundesamt für Bildung und Wissenschaft**

**Bundesamt für Berufsbildung und Technologie**