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1. Renewed Swiss IFIP Membership: the SI (Swiss Informatics Society)

Very active in IFIP since its creation in 1960 and although not part of the European Community, Switzerland has not only been a founder of IFIP but has continued to contribute towards its objectives and activities without interruption through the personal involvement of its representatives:
- active presence in the Executive Board and the Council and 3 Presidents covering a period of 12 years.
- R. Morel, Swiss representative to the IFIP GA since 1999, has been Board Member and Councillor from 2004 to 2010.
- Bernard Eschermann was elected in 2009 as Councillor to the IFIP Board.
- Strong and active Swiss presence in the Technical Committees and Working Groups dealing with matters of interest to Switzerland.

Today, 78 specialists from Swiss Academia and industry are participating in 11 TC's and 39 WG's. 1 Swiss rep is TC chairman, 1 rep is Secretary and 2 reps are also special consultants.

The TC representatives are appointed by the SI (Swiss Informatics association), the new Swiss Member of IFIP since 2011.

The personal involvement and the efforts of these specialists contribute, through their international contacts with leading experts, to acquiring and bringing to Switzerland knowledge on new technology developments and strategies discussed within IFIP Working Groups. They are the ambassadors of Switzerland to the TC's and WG's and contribute to the maintenance and improvement of the Swiss international image.

This is especially true in areas such as Education, Communications (infrastructure, financial access, etc..), Security, Software, Human aspects, etc.. which present important potential for Switzerland.

Support for these international activities is therefore very important to allow the continuation of an active Swiss participation in the international IFIP activities in all areas of ICT.

Till 2010 the Swiss Committee for IFIP (SIC) is thankful to the employers of the IFIP delegates; without such support they could not pursue their mission. We have tried hereunder to evaluate the overall effort represented by the activities of the delegates to IFIP functions.

The Swiss delegates are appointed for a period of 4 years renewable by periods of 2 years. The names of the Swiss TC and Working Groups representatives are published on the SIRA Web site:

The main functions of a Swiss IFIP TC representative are:
- to assure the both ways communications between Switzerland and his TC (information to the Technical Committee about latest developments and concerns in Switzerland and information to the interested parties in Switzerland about the TC activities),
- organise TC meetings and events in Switzerland when feasible, etc...

For more information:
- Tasks: [http://www.sarit.ch/swiss-ifip-committee/tasks.html](http://www.sarit.ch/swiss-ifip-committee/tasks.html)
Yearly spendings of Swiss IFIP delegates:

in order to get an evaluation of the importance of resources spent by IFIP delegates to TC's and WG's a survey is made some time. The delegates are asked how much they spend annually in:

- Person days (meeting attendance, home work, reports, meeting preparation, etc.) and
- Travel expenses (airline/train tickets, hotel and meals, registration fees or receptions for invitees, etc.)

The numbers vary significantly; for example, the time spent varies from 5 to 50 days/year. The maximum happens when the TC rep has several IFIP functions (for example Council Member, TC Officer, etc.) or when in charge of organising an IFIP event in Switzerland. The last evaluation was done for the year 2006 and showed the following numbers:

**Total expenses per TC/WG representative: 16.3 kfr/person/year**

- Associated cost (hypothesis: 120 kfr/year): 11.0 kfr.
- Travel expenses: airline: 1.8 kfr.
- Hotel and meals: 2.5 kfr.
- Registration fees, receptions for invitees, etc.: 1.0 kfr.

For the current 78 specialists from Swiss Academia and industry participating in 10 TC's and 39 WG's this represents a total Swiss effort of approximately 1'270'000 fr/year of which 140 kfr for airline tickets.

These activities would of course be impossible without the IFIP delegates employers. They however tend to restrict allowing "free time" to their employees for obvious reasons. They are of course encouraged when at least the travel tickets for the TC delegates (although a small part of the total) are in principle supported. Until 2010 SIC got support from SATW (Swiss Academy for Technical Sciences): 20 kFr. and SARIT (5 kFr.).

Significant changes happened and the only support comes from SARIT (5 kfr.) which creates a serious problem for the future international activities of the IFIP Swiss delegates to Technical Committees

Following the reorganization of the Swiss IT scene the IFIP Swiss membership was moved to SI (Swiss Informatics Society). SARIT and SI-CHIP merged as SIRA inside SI. The enclosed charts show the old organisation and the new one concerning all Swiss associations: ICTswitzerland, SARIT, SI, SIRA, SATW, etc.. The [Swiss TC-Delegates](http://www.sarit.ch/swiss-ifip-committee/index.html) form the Swiss IFIP committee (SIC), chaired by the Swiss Delegate to IFIP's General Assembly. The SIRA Board nominates the SIC members and the SI Npard récerts them. The SIC has its own Website. Finances will be handed by SI. The 2010 Swiss fee to IFIP was paid by SI.
To summarize:

the financial issue has not yet been resolved and is actively studied to find a long range solution for the continuation of the active presence of Switzerland in IFIP.

Since 2011 the SIC (Swiss IFIP Committee) is a SI Working Group, SI became member of the SATW and is the Swiss member of IFIP.
2. The Swiss IFIP Committee (SIC) : Activities in 2011

Besides their current activities (reported in their annual reports) such as participation to their TC meetings, the TC representatives were particularly active in 2011 either by holding a TC executive position or in organising important events.

This section gives an overview of the most important activities and events:

**The annual meeting** took place in Bern on December 15, 2011 attended by seven members.
R.Morel (chair) welcomed the participants and congratulated the newly elected TC 2 Member: Professor Pascal Felber, Univ. Neuchâtel

**Extracts from 2011 TC Swiss Rep reports**

Here after, only items of special interest or open problems are mentioned. Details to be found in the individual distributed reports available at: [http://www.ict-21.ch/SIC/spip.php?article9](http://www.ict-21.ch/SIC/spip.php?article9)

**TC1 (Foundations of Computer Science) – From J.Rolim**


Special Seminar with Prof. A. Famili Carlos Pallán, National Autonomous University of Mexico, Nov. 22, 2011
Special Seminar with Professor Viktor Prasanna, USC, August 29th, 2011:
Energy Informatics for Smart Oil Field and Smart Grid

**Divulgation at the TC1 activities at the following conferences:**

- **IEEE DCOSS**: The 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS ’09) took place in Barcelona, Spain, June 2011
- **SEA 2011**: The 10th Symposium on Experimental Algorithms took place on May 2011 in Crete, Greece. This is an event intended to be an international forum for researchers in the area of experimental evaluation and engineering of algorithms, as well as in various aspects of computational optimization and its applications.
TC 2 (Software – Theory and Practice) – Pascal Felber presented his report
Since his recent appointment he tried to contact people involved without too much success. He will be more active in 2012, his first year in his new position. He is active in a 2012 conference of TC 6. He will submit a 2011 annual report as soon as B.Meyer responds to his request.
RM underlined the importance of "cross TC" activities and links between TC's.

TC 3 (Education) – Raymond Morel presented his report
His full report is available at:
He commented several items:
- Dubai Conference,
- Measuring WISIS Targets (ITU, UNESCO,
- WSIS Forum 2011,
- United Nations Group on the Information Society,
- Fourth Parliamentary Forum On Shaping The Information Society,
- RM UNESCO mission for Armenia,
- Smart E-Learning Russia 2011 Moscow,
- Begin of preparation for WSIS Forum 2012,
- IFIP Activities IP3,
- Revised Government Strategy on the Information Society,
- Start of preparation of WCCE’2013 in Torun (Poland),
- Mombassa TC3-WGs conference,
- Barcelona workshop in partnership with EU MATURE Project,
- the Swiss plateform for WSIS activities,
- some links with Swiss activities in relation with IFIP (TechnoArk, SATW, SI, SI-SR, Bolo Museum).

TC 5 (Information Technology Applications) – From Philippe Dallemagne:
- There is a SIG 5.1 launched on agriculture applications (Advanced Information Processing for Agriculture).
- The proposal of SIG 5.2 E-Governance was approved and a formal invitation will be sent to check for cooperation with other TCs and to organize a SIG event to promote and clarify their activities
- TC5 website is up and running. All SIG, WG and members can be found there: http://ifip-tc5.org, all TC5 have the possibility to get a personal access code, which allows for getting up to date information about TC5 in general and WG in particular.
- TC5 is trying to launch a new PROLAMAT conference as the TC5 flagship conference.

TC 6 (Communications Systems) – From Harry Rudin’s report
I would appreciate it if our colleagues on the committee would send me early notices of conferences in Switzerland so that I could include them in ERCIM News. I also feel that with its fairly large circulation, ERCIM News is an excellent place to make Swiss conferences known.
I have submitted three such notices for the next issue: the Zurich Seminar 2012, ICSE2012, and Eurosys2012.
TC 8 (Information Systems) - Robert Winter presented his report

- General TC8 activities in 2011: The 42nd meeting of TC8 took place on June 4 and 5 in Nauvo, Finland. For most TC8 representatives the location was convenient because a WG 8.2 working conference was scheduled during the following days in Helsinki and because ECIS 2012 took place a few days later also in Helsinki.

Prof. Iivari Juhani organized the meeting in a remote resort hotel that was a perfect location for strategy review and strategy discussions. The 43nd meeting of TC8 is planned to be held in the Netherlands. Details have not been announced.

- Events in Switzerland or with relation to Switzerland: - Jolita Ralyte, University of Geneva, is currently serving as Vice-chair of WG 8.1 (Design and Evaluation of Information Systems).

With the support of IFIP TC 8, the University of Geneva has organized the Second International Conference on Exploring Services Sciences (IESS I.1) on February 16-18, 2011 at Geneva. Jolita Ralyte served as the general chair of the IFIP WG 8.1 Working Conference on Method Engineering, held April 20-22, 2011 in Paris.

Robert Winter, University of St. Gallen, teams up with John Krogstie and George Casper to compile a TC8 conference ranking. This is one of three strategy items and two action items produced in the Nauvo strategy meeting.

In addition to the Nauvo meeting, Robert Winter attended the IFIP WG 8.1 Working Conference on Method Engineering in Paris and was invited as PhD faculty and keynoter at the IFIP WG 8.9 Conference “Confenis 2012” in Aalborg. Other Swiss TC8 members attended the IFIP WG 8.2 Working Conference “Governance and Sustainability in Information Systems: Managing the Transfer and Diffusion of IT” in Hamburg.

- Other activities related to TC8: Robert Winter, University of St. Gallen, served as conference chair at the 6th. International Conference on Design Research in Information Systems (DESRIST), May 5-6, 2011 at Milwaukee.

Upcoming TC 8 events in Switzerland or with relation to Switzerland (2012)
No TC 8 conferences are planned in Switzerland in 2012. It is however planned to organize a meeting of senior Swiss IS researchers in order to establish an annual half-day Swiss IS meeting.

RM reminded that, for events organized in Switzerland, he could get some limited financed support from SATW and invited SIC members to contact him before planning such events.

TC 9 (Relationship between Computers and Society) - J-L Chappelet
TC9 annual business meeting for 2011 took place in Rome on 27 and 28 July just after the IADIS multi conference on computer science and information systems. The minutes of the Brisbane meeting were approved and the new TC9 members were accepted (Satish Babu, India; Jean-Loup Chappelet, Switzerland; Peter Dorbay, Hungary ). William McIver (Canada) and Polona Picman Stefancic (Slovenia) were elected vice-chairs. Dr Magda Hercheui will serve as the new Chair of WG9.9, taking over from Prof. Laurenz Hilty. IFIP’s approach to WCC2012 was presented by the TC9 Chair and IFIP General Secretary. There was an open discussion on HCC10 and how it could be approached, seeing that it will not be held as part of WCC2012. A more general discussion on what TC9 is wants to become ended the meeting. A decision was taken to revamp TC9 Website. It is now live at: http://ifipte9.csir.co.za/index.html.

TC 10 (Computer Systems Technology) – From B.Eschermann:

TC 10 now consists of 4 working groups, all active. Switzerland is represented in 2 of the 4 working groups. 1.WG 10.2 (Embedded Systems) has a total of 57 members, of which two members are from Switzerland (Prof. Lothar Thiele, ETH Zürich and Dr. Bernhard Eschermann, ABB). 2.WG 10.3 (Concurrent Systems) has a total of 6 members, and one member from Switzerland (Prof. Helmar Burkhart, University of Basel). 3.WG 10.4 (Dependable Computing and Fault Tolerance) has a total of 66 members, unfortunately none from Switzerland. 4.WG 10.5 (Design and Engineering of Electronic Systems) has a total of 39 members and 17 honorary members (typically members that were active in the past and have retired from their research career), again none from Switzerland.

The chairperson of WG10.3, Prof. Chris Jesshope, decided to step back in 2011 from this position because of private reasons. One of the vicechairs, Prof. Erik Maehle (University of Lübeck/Germany, maehle@iti.uni-luebeck.de), who had also taken over the responsibilities provisionally, was elected as a successor.
The chairperson of WG10.2, Prof. Marilyn Wolf, has also initiated the process to elect a successor. A discussion on new areas for TC 10 has not really made a lot of progress. The following topics were identified before as potentially interesting to pursue – they were also assigned to current working groups of TC 10 to evaluate and discuss further: Wearable computing (WG 10.2), cloud computing (WG 10.4), “green” computing (WG 10.5).

The 2011 TC 10 meeting took place in conjunction with WG10.5’s conference DATE (Design, Automation and Test in Europe) that was held in Grenoble/FR from March 14-18, 2011. Due to the low attendance of all recent meetings, even if they were in Europe, the 2012 meeting will be held by telephone conference. This will be an experiment to enable a wider participation without the need for travel time and travel cost.

**TC 11 (Security and Protection in Information Processing Systems) - C.Rieder reported**


**TC11 Contacts**

Chair: Kai Rannenberg, Germany, kai.rannenberg@m-chair.net
Vice Chair: Prof. Dr. Rossouw von Solms, rossouw@mnmu.ac.za
Contact: [http://www.tc11.uni-frankfurt.de/](http://www.tc11.uni-frankfurt.de/)

**Discussions at TC11 Annual Meeting**, Lucerne, Switzerland - Monday 06 June 2011

- Hosting IFIP SEC 2013
- Feedback of the strategy discussion within IFIP
- The format of the proceedings has to be: IFIP SEC 2011 or 26th International Information Security and Privacy Conference.
- WCC 2012 (Amsterdam, The Netherlands)
- WITFOR (IFIP World IT Forum)
- WG 11.1 Information Security Management (Gurpreet Dhillon)
- WG 11.2 Pervasive Systems Security (Jaap-Henk Hoepman)
- WG 11.3 Data and Application Security (Vijay Atluri)
- WG 11.4 Network & Distributed Systems Security
- WG 9.6 / 11.7 IT Mis-Use & the Law (Ronald Leenes)
- WG 11.8 Information Security Education (Colin Armstrong)
- WG 11.9 Digital Forensics
- WG 11.10 Critical Infrastructure Protection (Sujeet)
- WG 11.12 Human Aspects of Information Security and Assurance (Stephen Furnell)
- WG 8.11/11.13 Information Systems Security Research
- Kristian Beckman Award 2011 Commissioner, Mme Ann Cavoukian.
- Auditors for Computers & Security (COSE)
- International Journal of Critical Infrastructure (IJCIP)
- Public Relations PR plan in development
- Financial Results 2010 / status 2011 / Budget 2012
- 2012 TC-11 meeting in Heraklion, Crete, Greece
- 2013 Meeting, Auckland, New Zealand

**IFIP SEC 2011**

Over 150 experts of 28 countries (DE, US, UK, FR, SE, AU, ZA, …) attended the conference.

Tree keynote speakers Dr. Ann Cavoukian, Prof. Dr. Michael Waidner, Prof. Dr. René Hüsler, 24 paper presentation about Authentication / Intrusion Detection / Malware, Information Flow & DoS attacks / Network Security & Security Protocols / Policy Compliance and Obligations / Privacy attacks and Privacy-enhancing Technologies / Risk Analysis and Security Metrics / Software Security

PrimeLife Summit Event, Picos Summit Event, IFIP Workgroup 11.4, IFIP Workgroup 11.8. WISE7, Industrial Track “Research meets Industry”

**Working Groups: status of Swiss members**

Because of IFIP SEC2011 several people have been contacted to motivate for joining a WG of TC 11. Further promotion will is planned by 2012.

**Publicity of IFIP TC11 in Switzerland**

IFIP SEC2011 has been successful. But the knowledge of the interesting work of TC11 is still not adapted correctly.
TC 13 (Human-computer Interaction) – From Ute Klotz

My annual report is short:
I took part as reviewer at the INTERACT 2011 in Lissabon and at the i-USEr 2011 in alaysia.
I am sorry to say but there were no other activities.
I would like to suggest to give someone other the chance to be the Swiss representative for TC 13 in the next years.

It was reminded to all present that one of the duties of the TC representative is to keep contact with the WG Swiss members of their TC.

For more details on collaboration and exchange of information, activities and projects between IFIP, SIC, ICTswitzerland and SATW (Swiss Academy of engineering sciences) consult:

3. Education Committee (KB) of ICTswitzerland:
Improving ICT Education & Competency in Switzerland

The Education Committee KB (Kommission Bildung) concerned with ICT education at all levels was renewed and met three times in 2011, reinforced with the participation of educational institutions members (namely creating the « ICT-vocational Education Switzerland » Fondation).

The Education Commission is the professional body of ICTswitzerland for the education and training in the field of information and communication technologies in all levels of education. It represents proactively the organisation members in education issues and opinions on all aspects of education, submit election proposals for educational bodies and advises the ICTswitzerland Executive Board

The Commission supports national and international coordination and renewal in the field of professional ICT education and sees itself as a technical conscience for the attention of sponsorships, bodies and providers.

The Commission supports the implementation of the ICT user education in general education schools and the increase in the ICT skills of teachers education.

Position papers on: Lehrplan 21 ICT for Lehrplan-21 (curriculum for primary and low secondary éducation) Informatik an Gymnasien ICT in Gymnasium Zürcher Schulblatt Vision in Zurich area. In addition the Commission KB elaborated a memorandum on insatisfactory/missing informatics in the Swiss schools.

The Hasler Fondation is elaborating also a Study with recommendations for Informatics in High Schools.
4. The Swiss Academy of Engineering sciences (SATW) and ICT

The SATW has some 60 member organisations including SI, member of IFIP. The ICT Committee of the SATW was created in 2002 to promote ICT in Switzerland. Raymond Morel, its chairman and member of the SATW Scientific Board, animated during 10 years with his colleagues an important activities (cf. web site, the publications and numerous events). Since 1st of May 2011, after a complete reorganisation of the SATW (the so-called «modernisation»), all the 12 committees were erased and replaced by 15 Themenplattformen (topical platforms).

Concerning directly ICT, the following platforms are:

- **ICT** Computing in science and technology for Scientific Computing
- **e-Switzerland** cf. below
- **edu-tech** for Education
- **Biomedical engineering and computer science** for Health
- **ICT Security** for Security

The platform «e-Switzerland» is managed by Raymond Morel. «e-Switzerland» is a platform (TPF) for the prospective (Foresight, Fruherkennung) on the two Federal Council main strategic objectives:

- **« The ICT contribute to make the Swiss economic area innovative and competitive on the international level. »**
- **The ICT benefit all and make the Swiss life space attractive. »**

In this context some documents, approaches and decisions are unavoidable; they include:

- The multi-year plan of a+ and the period 2012-2016 SATW
- The Digital Agenda 2020 (March 2011), prepared by economieSuisse and ICTswitzerland, (cf. chapter 10)
- The 2nd revision of the strategy of the Federal Council for the Information Society in Switzerland ("for a future digital innovative Switzerland"), March 9, 2012, (cf. chapter 6)
- The new federal body for Education and Research at the ministerial level since 2013,
- 26 billion granted by the federal Parliament for 2013-2016 research.
- The approach in the FET Flagship of EU (Future Emerging Technologies)
- The recent priorities of a+ (Swiss Academies for Arts and Sciences)
- ...

**Preliminary comment:** without natural resources, a country like Switzerland should not have a negative economic balance for the "ICT-industry" (6 billion/year since the last 10 years) when the world is entering the immaterial economy with the Information Society even the Knowledge Society.

The «e-Switzerland» platform has become aware of the other SATW platforms and seeks to collaborate with them, as with many other partners. Mid-September 2012, it had already met 6 times since May 1, 2011, starting date of of the new SATW structures.

The working methods were to focus on the detection of urgent topics in trying to describe in a non-specialist language accessible to all the outline of the "hot topics" rather than proposing projects spontaneously. These descriptions are (and will be) structured in a synthetic way with scalable versions on the schema:

1. Description of the theme
2. Who in Switzerland or abroad deals with this theme?
3. How suggest the TPF e-Switzerland to deal with this theme?
4. How this theme converges with the goals, mission and strategy of the SATW ?
5. Other important information - Contacts – challenges – issues - references.

See as first examples themes 2, 8, 9

- **description du Thème 2**
- **description du Thème 8**
- **description du Thème 9**
The current priority themes are:

Theme 1: Business intelligence versus Privacy

Theme 2: Innovations vs transparency & complexity management

Theme 3: Study cycle on: Computer Heritage - Vulnerability - Security - Cyberspace (domain of no-law)

Theme 4: Digital Agenda for 2020 in Switzerland

Theme 5: 2nd Revision of the Federal Strategy for the Information Society in Switzerland (since 2012)

Theme 6: e-participation & sustainable development, e-inclusion, digital trust and confidence

Theme 7: An innovative digital future for Switzerland

Theme 8: Typologie et indexation des brevets par densités de revendications selon le classement PCT & OMPI

Theme 9: Patent comparison and business impacts

Theme 10: Cloud computing

Theme 11: Future Internet

Theme 12: FET Flagships

« e-Switzerland » has submitted a first report to the WBR (SATW Scientific Council) at 2011Q4 as a contribution of the Journée de Réflexion SATW, St-Gall, March 2012.

« e-Switzerland » proposed on the 4th of June 2012 one project for 2012Q4

Study Day on "Some new innovative approaches of the patent problematics"

and on the 15th of June five draft projects SATW 2013 related to the themes 2, 3, 6, 7 and 11:

- Workshop on "Taming the complexity based on current situations - the growing increase of the complexity condemns us to try to control it"
- Digital ecosystems and citizen life - Cycle of conferences to understand some key trends
- Workshop on "Digital Trust and Confidence at the forefront of the Information Society"
- Study Day on "An innovative digital future for Switzerland"
- Study Day on "The Future of Internet Some Perspectives of Evolution of Internet in the Society"

Currently on the 14d.ict-21.ch space which hosts TPF e-Switzerland since the 1.5.11, one finds extensive open documentation (more than 300 files, over 2000 messages from a good hundred users, 160 bookmarks pointing to themes in relation to ongoing reflections, dozens of blogs and discussion topics) and an archive of activities and work since the creation in 2002 of the ICT Commission which preceded the TPF e-Switzerland.
As follow-up of the ten 2010 Forums on educational trendspotting with the 10 hot themes which were discussed,

1. Having skills in creativity becomes increasingly important. The characteristics of a human being are not those of a machine. (*Technologies vs human being*)
2. The technology lead trends, but why not let their piloting human beings with their training needs? What does it mean if the technologies are out of step with education, while conducting of developments should be directed through education? (*leadership: technologies vs education*)
3. The changing roles of teachers: a behavior ex cathedra to a more "coach" and accompany with an emphasis on autonomy and self-learning?
4. Individualization and autonomy/self-organization of the learner
5. Googlisation and Facebook, xing, etc. the impact of social networks on education
6. Globalization of the learning (towards the hybrid education)
7. Merchandization of the Education (Opportunities and Challenges)
8. Déinstitutionalisation: the public education system will he reduced to validate qualifications and certifications? (*The future of public education systems*)
9. From theories on learning to systematic acquisition of knowledge
10. e-Portfolio: each learner produces and develops its own portfolio

since May 2011 till November 2011, finally 4 complementory forums were be held on some specific hot issues
5. Link IP3-CH ➔ IFIP Activities IP3

According to the IFIP Task Force work for the project IP3 (International Professional Practice Programme) [http://www.ipthree.org/](http://www.ipthree.org/) and the IP3 vision was studied in Switzerland and we produced the following report:


First draft  Project IP3-CH Report Presentation in June 2008  


Now with the change between ICTswitzerland ans SI as member of IFIP, we can begin again the work of information and the contacts of potential interesting people.


Since February 1998, the Swiss Government has been conducting a massive campaign to promote the information and communication technologies (ICT) [http://www.bakom.admin.ch/themen/infosociety/00695/index.html?lang=en](http://www.bakom.admin.ch/themen/infosociety/00695/index.html?lang=en) In the text which forms the basis for the Confederation’s actions in this area, various official bodies were mandated to lead the federal administration’s ICT activities and to make the Swiss population aware of the challenges of the information era.  

The site [http://www.bakom.admin.ch/themen/infosociety/index.html?lang=en](http://www.bakom.admin.ch/themen/infosociety/index.html?lang=en) was established which describes the federal actions in promoting ICT.  

As mentioned in earlier annual reports, the previous ICT Committee till May 2011, including several IFIP TC representatives, contribute actively to these activities.
By the end of 2006 a national strategy for each issue of e-government and e-health was to be elaborated in cooperation with the cantons. The concept for internal government use of electronic data and documents had to be finalised by mid-2007.

- e-Government Strategy
- e-Health Strategy

In 2010-2011 begun the 2\textsuperscript{nd} revision of the National Strategy planned for January 2012, effective March 2012.
Some useful links:
Organisation and Implementation
Reporting on the implementation work
Infrastructure
Security and Trust
The Economy
e-Democracy and e-Government
Education, Research and Innovation
Culture
Health and the health care system
Energy and resource efficiency
Action principles of the Strategy

Other References:

7. SARIT (Swiss Association for Research in IT) - http://www.sarit.ch

The General Assembly 2011 of SARIT decided to agree in principle to merge in 2012 SARIT and SI-CHIP into a single Association. This reunification was scheduled for March 15th 2012. A closer cooperation with SI and a more intimate involvement of Heads of IT Departments (from UNI, ETH and UAS in Switzerland) should foster a stronger position of the Swiss ICT Research stakeholders both on the national and international scenes. Patrick Furrer has been invited as guest in the SI board for that purpose. He is also member of SIC (Swiss IFIP Ctee).

The result of the merging is a new association called SIRA (Swiss Informatics Research Association) which will take over the mission and activities of SARIT starting 2012. Details have still to be agreed like the web site, etc..

Following the transfer of the IFIP Swiss membership from ICTswitzerland to SI (Swiss Informatics Society), the SIC (Swiss IFIP Committee) was transferred to SI. Nominations to SIC continue to be selected by SARIT (SIRA) and have now to be confirmed by SI.

- TC 2 (Software – Theory and Practice): Prof. Pascal Felber, Neuchatel University was elected.
- TC 11 (Security and Protection in Information Processing Systems): the extension of Prof. Carlos Rieder was approved.

New positions are opened and will be advertised in Spektrum and Ibcom and submitted to the SARIT (SIRA) Board for selection.

- TC 1 (Foundations of Computer Science) as Prof. Jose Rolim has reached the end of his mandate
- TC 6 (Communications Systems) as already agreed: find a second TC 6 rep to work with Harry Rudin who is Special consultant to TC 6
- TC 13 (Human-Computer Interaction) as Ute Klotz has expressed the wish to terminate her mandate.
SARIT Event 2011, 21 November 2011, University of Applied Sciences, Fribourg
Together with the SISR (Swiss Information Society, Swiss French Section) SARIT has organized an event dedicated to Information Technology Education issues in Switzerland:
"ICT education and skills in Switzerland: facts and trends" [http://www.sarit.ch/events/sarit11ga.html]

8. Activities ECDL in Switzerland in 2011

ECDL Foundation is the certifying authority for the leading international computer skills certification programme. ECDL mission is to enable proficient use of ICT that empowers individuals, organisations and society, through the development, promotion, and delivery of quality certification programmes throughout the world. With over 11 million candidates participating in a range of programmes, ECDL Foundation has set the global benchmark in end-user skills certification.

The ECDL offers a variety of certificates depending on interest and targeted expertise. More than 300 independent test centres offer such courses and all over Switzerland. The test can be executed in one of the centres which issue the certificate to successful candidates.

The 2011 revenue surplus are being used for funding contributions in the promotion of ECDL and computer science in Switzerland. The royalties for the year 2011 showed a decrease of 9% compared with the previous year. Already 2010 showed a decline of 5% compared with 2009. Considering the development in the surrounding countries a further declining revenue can be expected.


9. e-Power

In order for Switzerland to place itself as the leader of ICT in the field of e-Government, e-Health, e-education and research and development, the initiative “more e-Power for Switzerland” was launched in May 2005 (cf. CH report to GA in 2006). ([http://www.epower-initiative.ch](http://www.epower-initiative.ch))

The “ePower for Switzerland” initiative, together with top representatives of national politicians and businesses, organises regular sessions to exchange information about information society topics. On this basis, parliamentary initiatives and concrete implementation projects have been launched. The initiative is actively supported by many companies and organizations. The main activity during the reporting year was active lobbying in favour of the initiators and partner objectives for a strong ICT in Switzerland.
March 2011, a 40-pages brochure to become conscious that Switzerland is not anymore leader in ICT and needs a strong agenda to achieve to be in a better position in 2020.

No significant output after this report during the last 18 months …!
11. Refer to my reports as TC3 Special Consultant and as member of the ILC for the following subjects:

- Feedbacks from the international area
  - 20 September 2011 at ITU
    Begin of preparation for WSIS Forum 2012 ➔ (14-18 of May 2012)
    http://groups.itu.int/stocktaking/WSISFlash/WSISFlashSpecialIssueUNGISOpenConsultation.aspx
  - The World Digital Solidarity Agency (WDSA) at Lyon
    http://www.dsa-asn.org/
    As vice-president of the WDSA Executive Committee:
    Last meeting in Lyon (3rd of October 2011), dissolution of the WDSA
  - 13rd-14th of October 2011 in Barcelona:
    Annual meeting of the Associated Partners of the MATURE Project

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**IFIP AGORA – MATURE WORKSHOP**

Wednesday – arrival to Barcelona
Thursday 13.09.11 –
CMNE at UPC: Universitat Politècnica de Catalunya
Presentations: http://mature-in.eu/event/mature-ifip-workshop

- 09.00 Welcome to the MATURE/AGORA Workshop – Pablo Frantzoni/Andreas Schmidt/Sindre Reavik
- 09.30 Goals for the workshop – Johannes Magerhein, MATURE/ Sindre Reavik, IFIP
- 09.45 IFIP – AGORA initiative vision and activities – Sindre Reavik IFIP AGORA
- 10.00 Coffee/tea/hall break
- 10.30 MATURE concept and empirical studies – state of art, results – MATURE member: UBK, University of Innsbruck
- 11.00 MATURE – strategies of Knowledge Maturing and organisational learning? FZI, University of Karlsruhe
- 11.30 Discussion of possible impact of the conceptual findings of MATURE for IFIP – Johannes Magerheim/Sindre Reavik
- 12.00 Lunch
- 13.00 Initiative with transversal themes for IFIP – Raymond Morel (IFIP Switzerland)
- 13.30 Transversal themes within IFIP from the perspective of Human Computer Interaction (TC13) – Peter Fröning
- 14.00 Emerging models and e-infrastructures for Life Long learning” – Krassen Stefanov (IFIP TC8)
- 14.30 Coffee/tea/hall break
- 15.00 Sustainable Innovation Using Web 2.0 Tools – Maria Turcuanyi-Szabo (IFIP TC3)
- 15.30 PLME - Personal Learning and Maturating Environment software: UBK (University of Paderborn) & TUG (Technical University of Graz). People tagging: FZI
- 16.00 Discussion of possible impact of the MATURE project future work/cooperation within IFIP
- 17.30 Conclusions of the day – Outcome and results, what now? Possible impact for IFIP? – Johannes Magerheim/Sindre Reavik
- 18.00 Closing of the day

Friday 14.10.2011
- 09.00 Motivational barriers and how to overcome them? Christine Kunzmann, Andreas Schmidt
- 09.30 Sustainability in relation for example to LLL, e-learning or e-government. Barbara Kedzierski (IFIP TC3)
- 10.00 Developing Serious Games - supporting Tools for Projects Between two Universities and Connected Institutions – Maria Turcuanyi-Szabo
- 10.15 Coffee/tea/hall break
- 10.45 Moving forward – MATURE and IFIP initiatives?
- 11.00 Closing of the workshop
1. **Begrüssung und Annahme der Traktandenliste**
2. **WSIS Follow-up: Umsetzung und WSIS+5:**
   a. Rückblick auf WSIS Forum vom Mai 2011,
   b. Ausblick auf WSIS Forum vom 14-18 Mai 2012
   c. WSIS+5 High Level Anlass 2014: Stand der Dinge
3. **Internet Governance Forum (IGF)**
   a. Rückblick auf das 6. IGF vom September 2011 in Nairobi, Kenia
   b. Ausblick auf das 7. IGF von 2012 in Aserbaidschan
4. **European Dialogue on Internet Governance (EuroDIG)**
   a. Rückblick auf den EuroDIG IV vom Mai 2011 in Belgrad
5. **ICANN: neueste Entwicklungen beim Management des Internets**
   a. Einführung neuer Top Level Domains (.xxx, .berlin, .sport, .rumantsch) ab 2012
      - Stand der Dinge und Konsequenzen für die Schweiz
      - Schweizer Informations- und Diskussionstag vom 28.11.2011 im Kursaal, Bern
   b. Neuvergabe der Rootzonen-Verwaltung (IANA-Funktion)
   c. ICANN-Reformprozess inklusive Stärkung des GAC und Umsetzung der Empfehlungen der „Review Teams“
6. **WSIS und Internet Governance in der UNO**
   a. Ergebnisse der 14. Sitzung der CSTD
   b. CSTD-Arbeitsgruppe zur Reform des Internet Governance Forum
   c. Verhandlungen über den Indischen Vorschlag zur Internet Governance an der UNO in New York
7. **ITU: neueste Entwicklungen**
   a. Ergebnisse des ITU Rates vom Oktober 2011
   b. Neuauflage der International Telecoms Regulation (ITR) 2012: Auswirkungen auf die Rolle der ITU betreffend Internet Governance?
8. **Europarat: Arbeiten im Bereich neue Medien und Internet Governance**
   a. Arbeiten des Europarates im Bereich Internet Governance:
      Die 10 Prinzipien des Europarates zur Internet Governance und andere Ergebnisse
   b. Medienregulierung: der neue Medienbegriff des Europarates
   c. Reform des Europarates: Auswirkungen für den Bereich Medien / Internet Governance
9. **Informationsgesellschaft national: Entwicklungen und Aktualitäten**
   a. Revision der Strategie für die Informationsgesellschaft: Stand der Dinge
10. **Varia**
• 30 Nov 2011 Meeting of préparation at ITU to prepare WSIS FORUM 2012

http://groups.itu.int/Default.aspx?alias=groups.itu.int/wsis-forum2012

• In Dubai 29th of January – 3rd February 2011

Panelist for the POLICY AND STRATEGY ROUNDTABLE: Creating a Culture of Shared Knowledge in the Arab World: The Role of Open Educational Resources
Animation of a 3 hours Workshop on  
" (IFIP TC3) Learning Organisation & Lifelong Learning Approaches to Teacher Education 

Workshop Presenter  
Mr Raymond Morel IFIP and SATW, Switzerland  
Dr Akram Zayour Dubai International School / HBMeU SEED

Brief about Workshop announcement

The workshop will investigate the concept of Learning Organisation with ICT as a key enabler. Lifelong Learning (LLL) will be explored such as the prerequisites of a Knowledge Society, the components of a sustainable teachers' education, the tools, methods and good practices for reengineering teachers' education in a context of cultural diversity. Draft scenarios of a sustainable teacher education in the 21st Century School will be elaborated and shared by the participants. Through the «e-change puzzle», Faculty and staff members in school will develop an awareness of some necessities and prerequisites to reach the Knowledge Society.

• In Poitiers 9th-12th of February 2012 IFIP TC3 Executive meeting:
  • UNESCO connections  
  • Next WCCE’2013 (50th TC3 anniversary !)  
  • AGORA initiative as a transversal approach ➔ Learning 3.0  
  • After WCC ‘2010 at Brisbane ==> KCKS (Key Competencies in the Knowledge Society) ➔ feedbacks  
  • EU projects  
  • OECD projects  
  • Web 2.0 tools and TC3 web site (… and IFIP web site)  
  • TC3 Strategy and action plan  
  • Etc.

• 15th of February : Preparation of the WSIS Forum 2012 (14th-18th of May)

• 15th of April : Preparation of the WSIS Forum 2012 (14th-18th of May)

• WSIS Forum 2012 (14th-18th of May) in Geneva  
  ITU-UNESCO-UNCTAD facilitators for WSIS (World Summit of Information Society)  
  7th WSIS Forum

The opening ceremony will officially inaugurate the WSIS Forum 2012, setting the tone for structured and inclusive dialogues, workshops and networking opportunities to address a range of issues within the global Information Society. Information and Communication Technologies (ICTs) will continue to shape the daily lives of individuals, communities, governments and global society. The WSIS Forum provides an international platform for all the WSIS Stakeholders to address the issues raised by ICTs, and provides stakeholders with a unique opportunity to collaborate on harnessing the potential of ICTs, while keeping pace with their rapid changes.

During the 5 days of the event a series of High-Level Dialogues, Action Line Facilitation Meetings, Interactive Sessions, Country Workshops, Thematic Workshops, Publication Releases, Knowledge Exchanges, Briefings and an Exhibition will address the issues critical to implementing WSIS activities and for developing a post-2015 agenda. Throughout this week we encourage onsite and remote participants to actively contribute to the programme.
The WSIS Newsletter of June 2012 gives a comprehensive summary of all activities during the WSIS Forum 2012

• **4th – 9th of June 2012 in Yakutsk**

  **4th Russian Conference with International Participation**

  “Informational Technologies in Science, Education and Economics”


  **The aim** of this conference was to discuss current problems of implementing and using new information and communications technologies in science, education, health care, economics and management, familiarization with best international practices in this field.

  **Breakout sessions**
  1. ICT in scientific researches
  2. ICT in education
  3. ICT in health care
  4. ICT in economics, management and society
My contributions as expert from IFIP and SATW:

- One keynote
- One masterclass of half a day
- Working meeting with the rector of NEFU
- Working meeting with the Chair of the State strategy for the Information Society

**Assessing the effects of ICT in education**

Indicators, criteria and benchmarks for international comparisons

edited by Friedrich Scheuermann and Francesc Pedró JRC and OECD


**Measuring the WSIS Targets** - A statistical framework report was launched at the WSIS Forum 2011 and can be downloaded for free.

- A response to the WSIS call to develop indicators and produce official statistics for measuring the information society
- A concrete list of indicators to monitor the 10 WSIS targets, which range from connecting villages, schools, and health centers to developing online content and providing people with ICT access
- A practical tool for policy makers and data producers in developing countries to monitor and assess information society developments

The report was prepared by the Partnership on Measuring ICT for Development’s Task Group on Measuring the WSIS Targets under the leadership of ITU, and in consultation with many experts in the field of ICT measurement. It is expected to become the main reference document for the final review of the achievements made towards meeting the WSIS targets in 2015.
First WSIS+10 Review Meeting

Marking the 10th anniversary of the adoption of the Plan of Action of the World Summit on the Information Society, UNESCO, in cooperation with ITU, UNDP and UNCTAD, hosts in 2013 the first WSIS+10 Review meeting, in which world leaders, along with high-level participants from governments, the private sector, NGOs and other groups, to assess progress made and future ICT trends, which will impact all spheres of societies. It is also envisaged that the Conference will result in post-2015 recommendations.

UNESCO will host related meeting organized by all Action Line Facilitators, but will focus its own preparations on its areas of competence, which have become key for societies to benefit fully from an increasingly connected world:

- ICT for education
- Access to information and knowledge
- ICT for science
- Cultural and linguistic diversity in cyberspace
- Freedom of expression and media development
- Ethical dimensions of the information society
Press Conference at the WSIS Forum 2012
12:30-13:00 Room IV

FIRST WSIS +10 REVIEW MEETING
Hosted by UNESCO, co-organized by ITU, UNDP and UNCTAD
25-27 February 2013, UNESCO Headquarters, Paris, France
“Towards Knowledge Societies for Peace and Sustainable Development” (working title)

Purpose - In the context of the ongoing UN Post-2015 discussions, the 2013 WSIS+10 Event will review socio-technological changes over the past 10 years, analyse current and future ICT trends, and discuss how to build future democratic and knowledge based, inclusive societies. Particular attention will be paid to building inclusive knowledge societies for peace and sustainable development, with special focus on women and youth from least developed countries and Africa.

Justification - The 36th General Conference adopted the resolution 62 requesting “the Director-General to further reinforce UNESCO’s leading role in the WSIS process, by organizing, inter alia, a high-level WSIS event in the lead-up to the WSIS 2015 review and to seek extrabudgetary resources to that end”.

Expected outcomes – Post-2015 recommendations that will feed into subsequent ITU 2014 meeting and 2015 UNGA review to discuss the possible Action Plan for the new Information/Knowledge Society.

Venue and target audiences - The event will be held from 25 to 27 February 2013 at UNESCO’s headquarters. It is intended to bring together about 1000 physical and 1500 remote participants including Ministers and high-level governmental officials, heads of IGOs, CEOs of the private sector and the civil society representatives. All meetings room in Bonwin and Fontenoy are reserved for these three days.

Possible event format – Multistakeholder set-up with a plenary, main sessions, high-level round table, thematic sessions, side events and exhibition stands.

Open Consultation – Given the WSIS principle of multistakeholder participation, UNESCO is organizing a consultation meeting open to all stakeholders on 15 May from 11:15-13:00 in Room XI.

For more information – www.unesco.org/wsis2013
« Feedbacks IFIP » in Education during 2011-2012 in Switzerland

- 23rd of September Tagung Pädagogische Überzeugungen: Die entscheidende Hürde schulischer ICT-Integration? Hotel Rigi Kulm

  Pädagogische Überzeugungen: Die entscheidende Hürde schulischer ICT-Integration?


- Après-midi d’échanges sur le thème « CAPACITÉS TRANSVERSALES ET COMPÉTENCES POUR LE FUTUR » jeudi 29 septembre 2011 à la HEP-BEJUNE

  Vous êtes invité à l’après-midi d'échanges sur le thème

  « CAPACITÉS TRANSVERSALES ET COMPÉTENCES POUR LE FUTUR »

  jeudi 29 septembre 2011 de 14h15 à 16h30
  à la HEP-BEJUNE

  HEP - BEJUNE, Site de Bienne - Ch. de la Ciblasse, 45 - 2503 Bienne

  Itinéraire


• 27th of October 2011 at Solothurn **Green IT Learning** **Nachhaltige Informatik im Schulumfeld**

Pädagogische Hochschule FHNW in Solothurn


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• 9th of November 2011 event for **Programmed disappearance ; the Bolo Museum on the case**

Feedbacks from the EU FET Flagships initiative

The Swiss Academies of Arts and Sciences organise six events January-June 2012 on The Big Six – Spotlight on the EU-Flagship-Initiative FET=Future Emerging Technologies

http://www.akademien-schweiz.ch/en/index/ Aktuell/Agenda/flagshipseries.html

HBP - The Human Brain Project
Event of the swiss-academies «Perspectives of High Power Computing in Neurosciences» (January 20, 2012)
EU-Website of the project

Graphene Flagship
Event of the swiss-academies «Exploring the Potential of Graphene» (March 8, 2012)
EU-Website of the project

ITFoM - IT Future of Medicine innovation
Event of the swiss-academies «Medicine in the 21st century: IT as a magic bullet?» (March 16, 2012)
EU-Website of the project

FuturICT - Participatory Computing for our Complex World
Event of the swiss-academies «Participatory Computing for our Complex World» (March 21, 2012)
EU-Website of the project

Guardian Angels for a smarter life
EU-Website of the project

RoboCom - Robot Companions for Citizens
EU-Website of the project
12. AOB

- Various articles in CH newspapers

- Strong contribution to the National Task Force activities for « ICT and Education » --> spreading IFIP's ideas for integration after the last WC’s.
  
  Since November 2005 the Board was upgraded to a permanent National and Legal Board (SKIB) for ICT in the whole domain of Education with all the partners (Federal Office for Telecom – OFCOM/BAKOM, the State Secretary for Sciences and Research – SER, the National Office for Professional Technology – OFFT/BBT, the Federal Office of Statistics – OFS/BFS, the teachers trade unions, the head of the National Educational Network and ICTswitzerland. The chairman of SKIB is the General Secretary of the 26 Ministers of Education

  SKIB = (Schweizerischen Koordinationskonferenz ICT und Bildung)

- Active participation for diffusion of all informations for forthcoming IFIP events (usual tasks : call for papers, preliminary program, reviewing, organisation of the national contribution, then post-conference feed-back)

- Meetings with the SI Committee (Swiss Informatics Society) and KB (special interest group for Kommission ICT Bildung). SI is the leader for ECDL

- Report (meeting in Bern) at the Swiss Committee for IFIP December 2011 (cf. chapter 12) and Networking Party organised by ICTswitzerland in January 2012 (more than 800 participants of all domains (industries, education, business, decision-makers, politicians, etc.)

Raymond Morel
Swiss GA Representative
Member of the IFIP ILC
Geneva, September 2012
in collaboration with P.-A. Bobillier