SPMS Regional Support Centre Activities in Europe and JACoW Website

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Europe

JACoW Team Meeting at BNL, 16-19 November 2010

Outline

➢ **General Reminder**

  ❖ What are the Support Activities of the RSC-Europe

➢ **SPMS related Activities**

  ❖ SPMS Instantiations since the Team Meeting in Hamburg Nov-2009

  ❖ Incidents and Problems

  ❖ Lifetime of an SPMS Instance for a Conference

  ❖ Current SPMS Instances of Past Conferences

  ❖ Issues discussed at the pre-meeting

➢ **JACoW Website Conference Proceedings Publishing**

  ❖ JACoW publications since the Team Meeting in Hamburg Nov-2009

  ❖ Website Statistics 2010

  ❖ Overall Situation

  ❖ Publication issues

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Support Activities of the RSC-Europe

➢ **SPMS Database Administrator**

  ❖ Setup SPMS database instances for each conference, hosted by the Regional Support Centre Europe

  ❖ RSC-NA and RSC-Asia use a unique bridging account to the central repository since this year, for all their hosted conferences

  ❖ Provide technical support for SPMS questions, issues and problems

  ❖ Interact and communicate with other SPMS DBAs, mainly at RSCs

➢ **JACoW Webmaster**

  ❖ Receive, Check and Publish Conference Proceedings on JACoW

  ❖ General JACoW website maintenance

  ❖ Provide technical support for website questions, issues and problems

  ❖ Maintain the domain name, arrange payment

➢ **Miscellaneous**

  ❖ Keeper of the software and license keys for Enfocus PitStop and Adobe Acrobat

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SPMS Support: Instantiations since Nov-2009

Deployment Date	Conference	Start Version	Patched to	In Sync.	SPMS hosting
09-Nov-2009	PAC-2011	8.4	8.7.10	✓	RSC North-America
12-Nov-2009	RuPAC-2010	8.4	8.7.10	✓	RSC Europe
26-Jan-2010	Cyclotrons-2010	8.5	8.7.10	✓	RSC Asia
02-Jun-2010	DIPAC-2011	8.6	8.7.10	✓	RSC Europe
17-Jun-2010	ECRIS-2010	8.6	8.7.10	✓	RSC Europe
13-Jul-2010	IPAC-2012	8.6	8.7.10	✓	RSC North-America
01-Sep-2010	JACoW-TM	8.7	8.7.10	✓	RSC Europe
13-Sep-2010	LINAC-2012	8.7.5	8.7.10	✓	RSC Europe
Oct-2010	FEL-2011	8.7.5	8.7.10	✓	RSC Asia

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RSC Europe	hosted at CERN	managed by Ronny Billen
RSC North-America	hosted at FNAL	managed by Matt Arena
RSC Asia	hosted at KEK	managed by Takashi Kosuge

SPMS Instantiation Summary

➢ **10 SPMS instances created**

   ❖ 4 SPMS instances with data repository and web access tools hosted at the Regional Support Center Europe

   ❖ 3 SPMS instances having the conference repository and web-server hosted at the Regional Support Center North America

   ❖ 3 SPMS instances having the conference repository and web-server hosted at the Regional Support Center Asia

➢ **The SPMS was stable**

   ❖ Adiabatic evolution of production releases

      ▪ SPMS 8.4 ⇨ 8.5 ⇨ 8.6 ⇨ 8.7 ⇨ 8.7.5

   ❖ All instances were transparently upgraded by Matt to current version

➢ **Collaboration between Regional Support Centers**

   ❖ Worked very well despite the time differences!

   ❖ No major hiccups

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SPMS Incidents and Problems

➢ **Temporary profile synchronization problem (PCaPAC)**

  ❖ Eventually synchronization occurred with 24 hours delay

➢ **E-mail utility**

  ❖ Failed for IPAC'10, only observed at RSC-Asia

  ❖ Bouncing e-mails due to address temporarily on Spamhaus blocklists

  ❖ Complaint e-mail format wider than 78 characters

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Lifetime of an SPMS Instance for a Conference

➢ **Creation after formal acceptance of Terms and Conditions**
- ❖ Creation of dedicated database account for the conference
- ❖ Creation of database objects
- ❖ Creation of web accessibility (Database Access Descriptors)
- ❖ Hand over SPMS administration to conference coordinator

➢ **During the period of exploitation**
- ❖ Access via web interfaces for Administrator and Users
- ❖ Automatic synchronization with central repository
- ❖ Assistance from Regional Support Center and experts

➢ **After the conference**
- ❖ Conference proceedings generation for JACoW publication
- ❖ Repatriation: save important data for future reference; provide meta-data for SPIRES-HEP
- ❖ Disable synchronization jobs; disable access to normal users

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Current SPMS Instances of *Past* Conferences

@RSC-Europe	Sync / Patched	End-date	Published
EPAC-2004	✗ / ✗	9-Jul-2004	✓
EPAC-2006	✗ / ✗	30-Jun-2006	✓
ICAP-2006	✗ / ✗	6-Oct-2006	✓
APAC-2007	✗ / ✓	2-Feb-2007	✓
Nanobeam-2008	✗ / ✓	30-May-2008	✗
EPAC-2008	✗ / ✓	27-Jun-2008	✓
FEL-2008	✗ / ✓	29-Aug-2008	✓
PCaPAC-2008	✗ / ✓	23-Oct-2008	✓
XRF-2008	✗ / ✓	3-Dec-2008	✗
DIPAC-2009	✗ / ✓	27-May-2009	✓
FEL-2009	✗ / ✓	28-Aug-2009	✓
SRF-2009	✗ / ✓	25-Sep-2009	✓
ECRIS-2010	✓ / ✓	26-Aug-2010	✗
FEL-2010	✓ / ✓	27-Aug-2010	✗
HB-2010	✓ / ✓	1-Oct-2010	✗
RuPAC-2010	✓ / ✓	1-Oct-2010	✓

@RSC-NA	End-date	Published
PAC-2007	29-Jun-2007	✓
BIW-2008	4-May-2008	✓
ECRIS-2008	18-Sep-2008	✓
Linac-2008	3-Oct-2008	✓
PAC-2009	8-May-2009	✗
ICAP-2009	4-Sep-2009	✗
BIW-2010	1-May-2010	✗
PCaPAC2010	1-Oct-2010	✓

@RSC-Asia	End-date	Published
COOL-2009	4-Sep-2009	✓
Icalepcs-2009	17-Oct-2009	✓
IPAC-2010	28-May-2010	✓
Cyclotron2010	10-Sep-2010	✗
Linac-2010	17-Sep-2010	✗

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SPMS Topics discussed at pre-meeting

- ➢ **Changing SPMS functionality**
  - ❖ Procedure for requirements submission, acceptance, implementation planning, testing, deployment: does not exist
  - ❖ 3 SPMS regional hosting with Oracle expertise, only 1 developer
- ➢ **Fundamental outstanding functionality requests**
  - ❖ Default configuration of new instance defined by central repository
  - ❖ Clarification, deployment and systematic execution of Repatriation
- ➢ **Phasing out SPMS instance after conference publication**
  - ❖ Define procedure e.g. Stop synchronization of data (but keep patching?); truncate some data (e.g. sent e-mails); repatriate (usable for initial synch of new conference?); keep DADs to be able to use the SPMS tools? Extract systematically Spires index information?
- ➢ **Some odd issues**
  - ❖ SPMS images all at the same site, best at the RSC ?
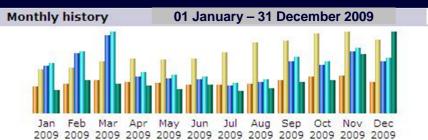 - ❖ E-mail sending via SPMS restrictions but not monitored

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Support Activities: JACoW Publications

Publication Date	Conference	Papers (count)	Talks (count)	Posters (count)	Photos (MB)	Total (MB)	Problems, Issues, *Comments*
11-Nov-2009	SRF-2009	222	56	91		2147	+53 audio (936MB); tutorial talks
13-Nov-2009	SRF-2001	128			24	75	*Scanned*
20-Nov-2009	Linac-2008	365	85		275	1730	+movies (703MB)
23-Nov-2009	Cyclotrons-1969	87				36	*Scanned*
15-Dec-2009	BIW-2008	74	20		11	227	
17-Dec-2009	FEL-2009	195	56		3	585	Tutorial talks
5-Jan-2010	Cyclotrons-1963	64				25	*Scanned*
22-Mar-2010	SRF-1997	127			23	67	*Scanned*
23-Apr-2010	SRF-1993	103				69	*Scanned*
18-Jun-2010	IPAC-2010	1568	102		200	2700	
21-Jun-2010	HIAT-2009	86	60		88	600	
28-Jul-2010	Icalepcs-2009	381	41	130	63	676	3 iterations
2-Sep-2010	ABDW-ERL-2009	14	101			438	Only 14 papers, but 101 talks
11-Oct-2010	SRF-2003	165	38		5	239	*Scanned*
1-Nov-2010	SRF-1991	81			3	79	*Scanned*
2-Nov-2010	RuPAC-2010	133	40		16	255	
3-Nov-2010	PCaPAC-2010	79	34	37	398	619	
10-Nov-2010	COOL-2009	45	33	1	136	374	
10-Nov-2010	SRF-1989	58				75	*Scanned*

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JACoW Website – Global Statistics

Monthly history — 01 January – 31 December 2009

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2009	34107	55913	2040049	2143034	89.21 GB
Feb 2009	37177	58678	2545818	2658573	128.21 GB
Mar 2009	42062	66656	3342430	3468749	114.17 GB
Apr 2009	40235	69264	1571890	1739709	104.21 GB
May 2009	38229	68709	1479152	1619859	92.97 GB
Jun 2009	36431	70135	1436194	1547353	108.65 GB
Jul 2009	35960	78182	1157204	1277125	86.12 GB
Aug 2009	36958	90949	1311075	1452893	96.64 GB
Sep 2009	42463	93070	2228820	2396494	119.09 GB
Oct 2009	46849	102239	2055675	2231885	125.75 GB
Nov 2009	47417	103807	2628986	2784157	227.91 GB
Dec 2009	40266	93887	2223111	2368898	312.52 GB
Total	478154	951489	24020404	25688729	1605.45 GB

Monthly history — 01 January – 09 November 2010

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2010	44160	108404	2183135	2306153	282.07 GB
Feb 2010	41554	96602	2388726	2511570	294.86 GB
Mar 2010	42264	87800	2152847	2300932	280.18 GB
Apr 2010	41900	103004	2066905	2240390	268.39 GB
May 2010	36990	105959	2151888	2387112	292.94 GB
Jun 2010	35555	97486	1603461	1770897	235.10 GB
Jul 2010	33620	90022	2804110	2947158	382.10 GB
Aug 2010	37825	88621	2202649	2352441	327.90 GB
Sep 2010	39465	82816	2486282	2656658	337.10 GB
Oct 2010	38556	56905	187892	285429	31.38 GB
Nov 2010	12417	16657	46036	80552	12.77 GB
Dec 2010	0	0	0	0	0
Total	404306	934276	20273931	21839292	2744.79 GB

Statistics on Pages, Hits and Bandwidth changed completely since 27 September 2010

Explanation: Modified configuration of awstats distinguishes better the robots and crawlers
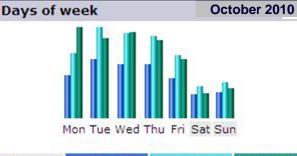
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Advanced Web Statistics configuration

IP addresses | New incoming visit | Html pages | All file types | All downloaded data

Summary

Reported period	Month Jun 2009				
First visit	01 Jun 2009 - 00:00				
Last visit	30 Jun 2009 - 23:59				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	36431	70135 (1.92 visits/visitor)	1436194 (20.47 Pages/Visit)	1547353 (22.06 Hits/Visit)	108.65 GB (1624.39 KB/Visit)
Not viewed traffic *			10907	11710	18.53 MB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Summary

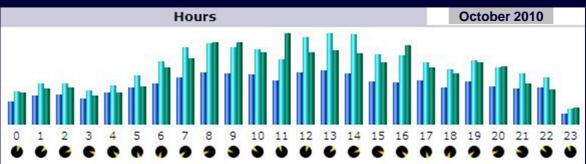| Reported period	Month Oct 2010				
First visit	01 Oct 2010 - 00:00				
Last visit	31 Oct 2010 - 23:59				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	38556	56905 (1.47 visits/visitor)	187892 (3.3 Pages/Visit)	285429 (5.01 Hits/Visit)	31.38 GB (578.3 KB/Visit)
Not viewed traffic *			5587244	5789398	272.39 GB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Forget about all previous global statistics!!!

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Global Statistics on October 2010

Days of week — October 2010

Day	Pages	Hits	Bandwidth
Mon	6236.50	9497	1.49 GB
Tue	8599.25	13331.75	1.32 GB
Wed	7897.25	12485.25	1.41 GB
Thu	7923.75	12060.25	1.29 GB
Fri	5809.60	9329	989.13 MB
Sat	3539.40	4602.20	418.44 MB
Sun	3704	5255.20	502.58 MB

Hours — October 2010

The activity on JACoW is continuous:
all year round
all days of the week
all day long
from all over the world

123.125.67.xxx

Countries (Top 10) — October 2010

Countries		Pages	Hits	Bandwidth
China	cn	61603	70742	2.12 GB
United States	us	35061	60702	7.65 GB
Germany	de	11872	21100	2.36 GB
Switzerland	ch	8581	18620	3.54 GB
India	in	7870	10026	1.59 GB
Japan	jp	7841	14520	2.28 GB
France	fr	7184	11402	2.35 GB
Russian Federation	ru	5759	13432	1022.90 MB
Great Britain	gb	5364	8627	1.23 GB
Italy	it	3337	6149	816.54 MB
Others		33420	50109	6.47 GB

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Other statistics for October 2010

Visits duration

Number of visits: 56905 - Average: 245 s	Number of visits	Percent
0s-30s	46225	81.2 %
30s-2mn	2236	3.9 %
2mn-5mn	1676	2.9 %
5mn-15mn	2165	3.8 %
15mn-30mn	1562	2.7 %
30mn-1h	1783	3.1 %
1h+	1258	2.2 %

Operating Systems (Top 10)
- Full list/Versions - Unknown

Operating Systems	Hits	Percent
Windows	243556	85.3 %
Macintosh	20216	7 %
Linux	12668	4.4 %

File type

File type		Hits	Percent	Bandwidth	Percent
pdf	Adobe Acrobat file	86478	30.2 %	28.13 GB	89.6 %
htm	HTML or XML static page	80688	28.2 %	1015.32 MB	3.1 %
gif	Image	46078	16.1 %	66.48 MB	0.2 %
jpg	Image	21772	7.6 %	1.49 GB	4.7 %
html	HTML or XML static page	19381	6.7 %	222.50 MB	0.6 %

Browsers (Top 10) - Full list/Versions - Unknown

Browsers	Grabber	Hits	Percent
Firefox	No	124632	43.6 %
MS Internet Explorer	No	119814	41.9 %
Safari	No	13942	4.8 %
Google Chrome	No	11539	4 %
Unknown	?	5265	1.8 %
Opera	No	4656	1.6 %
Mozilla	No	3429	1.2 %

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Published before 2008 — Published in 2008 — Published in 2009 — Published in 2010

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File downloads per Conference

Total 2008: ~357'000
Total 2009: ~459'000
Total 2010: ~510'000

Continued interest in conference papers.

Still interest for ancient conference papers

JACoW Publications Overall Situation

➢ **Today's Status**
- ❖ 98 conferences published
- ❖ Worth +30 GB of data
- ❖ The interest is real
- ❖ The support effort increases
- ❖ Resources become an issue

➢ **Past Conferences expected to be published on JACoW**

  ➢ **2008 Conferences**
  - ❖ ICFA ABDW XRF-2008

  ➢ **2009 Conferences**
  - ❖ PAC-2009
  - ❖ ICAP-2009

  ➢ **2010 Conferences**
  - ❖ BIW-2010
  - ❖ ECRIS-2010
  - ❖ FEL-2010
  - ❖ Cyclotron-2010
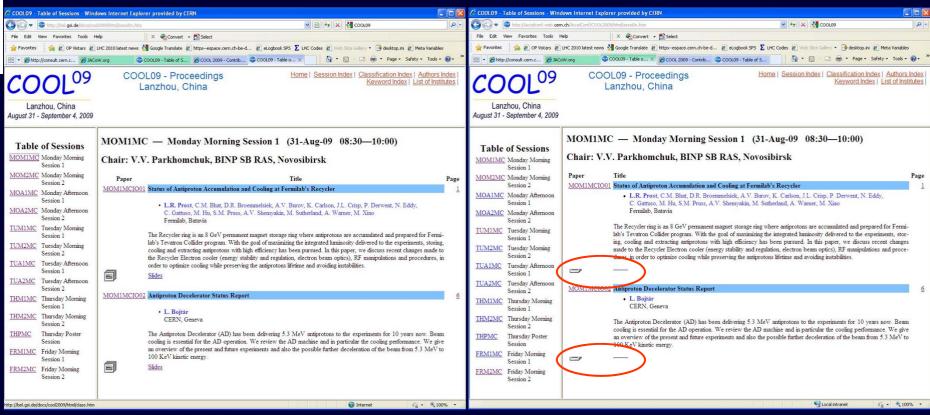 - ❖ Linac-2010
  - ❖ HB-2010

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Publication Issues: indexing & Searching

- ➢ Web crawler should automatically index web pages
  - ❖ But always needed a manual intervention
    - ▪ The problem has been acknowledged several times
    - ▪ Better version has been deployed mid-2010
    - ▪ JACoW Search is now a dedicated variant of the CERN Search
  - ❖ The conferences published last week were indexed automatically!
- ➢ Only indexed pages can be found by the Search engine
  - ❖ Search on author, title, keyword or any text
- ➢ Special characters using diacritical marks (ü, é, å, ö,...)
  - ❖ 195 persons in SPMS with a special character in their name
    - ▪ JACoW search on Brüning : 26 hits (papers with Brüning in author field)
    - ▪ JACoW search on Bruning : 4 hits (papers with Bruning in author field)
    - ▪ JACoW search on Bruening : 7 hits (papers with Bruening in author field)
    - ▪ Google search on Brüning : results for Brüning, Bruning and Bruening
  - ❖ The issue has been raised with CERN-IT but remains for the moment

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Publications Issues : the icon issue

From Volker's server

Same file on JACoW server

```
<tr align="left" valign="top">
    <td><p style="margin-bottom:1em;margin-top:-1.5em">
        <img alt="slides icon" src="../im0ges/ico-slide2.jpg" />
    </td>
    <td><p style="margin-bottom:1em;margin-top:-1em">
        <a href="../talks/mom1mcio02_talk.pdf">Slides</a>
    </td>
    <td> </td>
</tr>
```

Same html code

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Publication Issues : Quality Assurance

- **Finding non-conformities:**
  - ❖ Missing keywords in pdf files
  - ❖ Wrong page numbering
  - ❖ Special characters wrongly shown
  - ❖ No keywords (Icalepcs 2009)
  - ❖ Non-instantiated hyperlinks in papers become real in pdf

- **Content of proceedings**
  - ❖ Social content
    - Photos representing 64% of proceedings size : PCaPAC-2009
    - Videos representing 41% of proceedings size : Linac-2008
  - ❖ Content format
    - Mainly slides : ERL-2009
    - Audio files : SRF-2009

Volker is the only expert to solve such isues…if you don't follow his scripts to the letter!

JACoW content policy deserves clarification…

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