

SPMS Regional Support Centre Activities in Europe and JACoW Website

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JACoW Team Meeting at SINAP, 14-17 November 2011

Outline

- General Reminder
 - ❖ What are the Support Activities of the RSC-Europe
- SPMS related Activities
 - ❖ SPMS Instantiations since the Team Meeting at BNL in Nov-2010
 - ❖ Incidents and Problems
 - ❖ Lifetime of an SPMS Instance for a Conference
 - ❖ Current SPMS Instances of Past Conferences
- JACoW Website Conference Proceedings Publishing
 - ❖ JACoW publications since the Team Meeting at BNL Nov-2010
 - ❖ Website Statistics 2011
 - ❖ Indexing & Searching of JACoW Pages
 - ❖ Overall Situation
- Issues discussed at the pre-meeting

Support Activities of the RSC-Europe

➤ SPMS Regional Manager

- ❖ Setup SPMS database instances for each conference, hosted by the Regional Support Centre – Europe (RSC-E)
- ❖ RSC-NA and RSC-Asia use a unique bridging account to the central repository since 2010, for all their hosted conferences
- ❖ Provide technical support for SPMS questions, issues and problems
- ❖ Interact and communicate with other SPMS DBAs at RSCs

➤ JACoW Webmaster

- ❖ Receive, Check and Publish Conference Proceedings on JACoW
- ❖ Limited 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

SPMS Support: Instantiations since Nov-2010

Deployment Date	Conference	Start Version	Patched to	In Sync.	SPMS hosting
21-Feb-2011	ERL-2011		8.9.2	✓	RSC Asia
23-Feb-2011	COOL-2011	8.7.11	8.9.2	✓	RSC Europe
28-Feb-2011	BIW-2012		8.9.2	✓	RSC North-America
28-Feb-2011	FLS-2012		8.9.2	✓	RSC North-America
12-Apr-2011	FEL-2011		8.9.2	✓	RSC Asia -> RSC North-America
19-May-2011	IPAC-2013	8.8	8.9.2	✓	RSC Europe
04-Jul-2011	ICAP-2012	8.8	8.9.2	✓	RSC Europe
13-Sep-2011	ICALEPCS-2013		8.9.2	✓	RSC North-America
19-Oct-2011	HB-2012		8.9.2	✓	RSC Asia
01-Nov-2011	RuPAC-2012	8.9	8.9.2	✓	RSC Europe
02-Nov-2011	IBIC-2013	8.9.3		✓	RSC Europe
03-Nov-2011	ECRIS-2012		8.9.2	✓	RSC Asia
04-Nov-2011	HIAT-2012		8.9.2	✓	RSC North-America
14-Nov-2011	IBIC-2012		8.9.2		RSC Asia

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

Total: 14

SPMS Instantiation Summary

- 14 SPMS instances created
 - ❖ 5 SPMS instances with data repository and web access tools hosted at the Regional Support Center Europe
 - ❖ 5 SPMS instances having the conference repository and web-server hosted at the Regional Support Center North America
 - ❖ 4 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 8.7.11 \Rightarrow 8.8 \Rightarrow 8.9 \Rightarrow 8.9.2 (8.9.3)
 - ❖ 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

SPMS Incidents and Problems

- Synchronization problem FEL2010
 - ❖ Data integrity problem (privilege linked to person without user_id)
 - ❖ Manual intervention required, root cause not understood
- Synchronization problem PAC2011
 - ❖ Profile created in ICALEPCS2011 never reached PAC2011
 - ❖ Manual intervention required, root cause not understood
- Synchronization problem ICALEPCS2011
 - ❖ New affiliation request pending, while valid in central repository
 - ❖ Manual intervention required, root cause not understood
- Empty e-mail message IPAC2011
 - ❖ Two known incidents for single recipient in bulk e-mail

Lifetime of an SPMS Instance for a Conference

- **After formal acceptance of Terms and Conditions**
 - ❖ Creation of dedicated database account at the RSC
 - ❖ Creation of database objects for latest SPMS version
 - ❖ Creation of web accessibility (Database Access Descriptors)
 - ❖ Setup minimal configuration (title, logo, dates, e-mail)
 - ❖ Hand over the SPMS administration to conference contact person
- **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**
 - ❖ Generation of conference proceedings
 - ❖ Repatriation of summary data, new keywords, library data extraction (SPIRES)... *procedure is under revision*
 - ❖ Disable synchronization jobs; disable access to normal users

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	✓
DIPAC-2011	✓ / ✓	18-May-2011	✗
IPAC-2011	✓ / ✓	28-May-2011	✓
COOL-2011	✓ / ✓	16-Sep-2011	✗
ICALEPCS-2011	✓ / ✓	15-Oct-2011	✗

@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	✓
PAC-2011	1-Apr-2011	✓
FEL-2011	26-Aug-2011	✗

@RSC-Asia	End-date	Published
COOL-2009	4-Sep-2009	✓
Icalepcs-2009	17-Oct-2009	✓
IPAC-2009	28-May-2010	✓
Cyclotron2010	10-Sep-2010	✗
Linac-2010	17-Sep-2010	✓
ERL-2011	21-Oct-2011	✗

Total: **36**

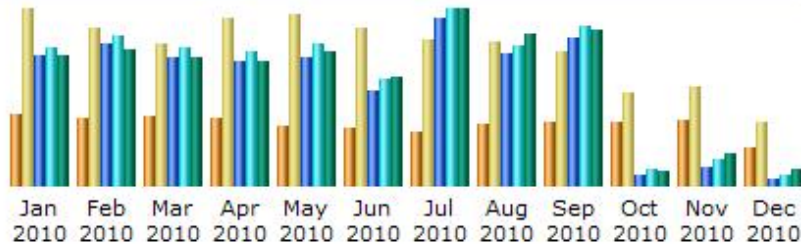
Support Activities: JACoW Publications

Publication Date	Conference	Papers (count)	Talks (count)	Posters (count)	Photos (MB)	Total (MB)	Problems, Issues, <i>Comments</i>
10-Dec-2010	BIW-2010	121	28	31		505	
14-Dec-2010	PAC-2009	1689	193			3180	100 th publication on JACoW
5-Jan-2011	ICAP-2009	83	22			298	
5-Jan-2011	Cyclotrons-1959	61				44	scanned
27-Jan-2011	HB-2010	158	105			753	
28-Jan-2011	SRF-1999	113				56	scanned
10-Feb-2011	SRF-1995	120				100	scanned
10-Mar-2011	FEL-2010	199	61		16	452	
5-May-2011	LINAC-2010	327	32	1	19	733	Reduced to 164 photos
18-May-2011	SRF-2005	199				139	Photos removed (48MB)
30-Jun-2011	ECRIS-2010	72	39	32	38	424	
30-Sep-2011	IPAC-2011	1245	91	5		1500	
6-Oct-2011	PAC-2011	841	146			1840	

Total: **13**

JACoW Website – Global Statistics

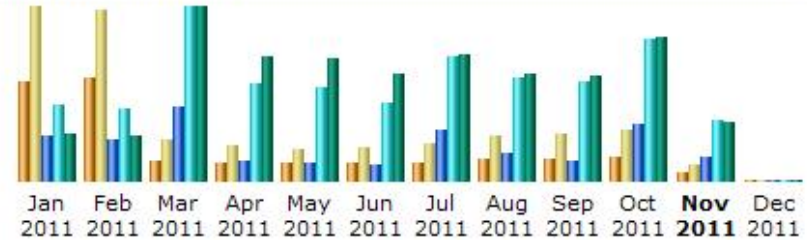
Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Oct 2010	38,556	56,905	187,892	285,429	31.38 GB
Nov 2010	39,928	60,720	324,457	456,027	69.30 GB
Dec 2010	24,041	39,165	124,275	195,367	37.06 GB

Monthly history

01 January – 10 November 2011



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2011	24,731	42,866	119,714	201,044	30.15 GB
Feb 2011	25,426	42,389	109,926	189,739	28.34 GB
Mar 2011	5,148	10,235	194,298	453,878	109.51 GB
Apr 2011	4,520	8,799	51,566	256,881	79.01 GB
May 2011	4,297	7,962	50,223	245,458	77.18 GB
Jun 2011	4,477	8,327	43,199	203,608	67.36 GB
Jul 2011	4,736	9,441	135,662	326,492	79.66 GB
Aug 2011	5,466	11,287	73,210	271,921	67.77 GB
Sep 2011	5,535	11,475	55,414	261,203	66.32 GB
Oct 2011	5,787	12,504	146,724	368,179	90.10 GB
Nov 2011	2,334	4,132	64,968	157,594	37.00 GB
Dec 2011	0	0	0	0	0
Total	92,457	169,417	1,044,904	2,935,997	732.41 GB

Remember that statistics on Pages, Hits and Bandwidth changed completely since 27-Sep-2010

Configuration awstats distinguishing better robots and crawlers

Hits and Bandwidth going up since March 2011

Advanced Web Statistics configuration

IP addresses

New incoming visit

Html pages

All file types

All downloaded data

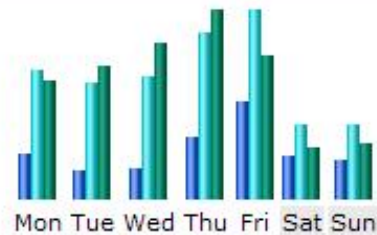
Summary					
Reported period	Month Oct 2010				
First visit	01 Oct 2010 - 00:00				
Last visit	31 Oct 2010 - 23:59				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	38,556	56,905 (1.47 visits/visitor)	187,892 (3.3 Pages/Visit)	285,429 (5.01 Hits/Visit)	31.38 GB (578.3 KB/Visit)
Not viewed traffic *			5,587,244	5,789,398	272.39 GB

Summary					
Reported period	Month Oct 2011				
First visit	01 Oct 2011 - 00:01				
Last visit	31 Oct 2011 - 23:59				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	5,787	12,504 (2.16 visits/visitor)	146,724 (11.73 Pages/Visit)	368,179 (29.44 Hits/Visit)	90.10 GB (7555.95 KB/Visit)
Not viewed traffic *			4,353,955	6,046,238	720.91 GB

Statistics continued

Days of week

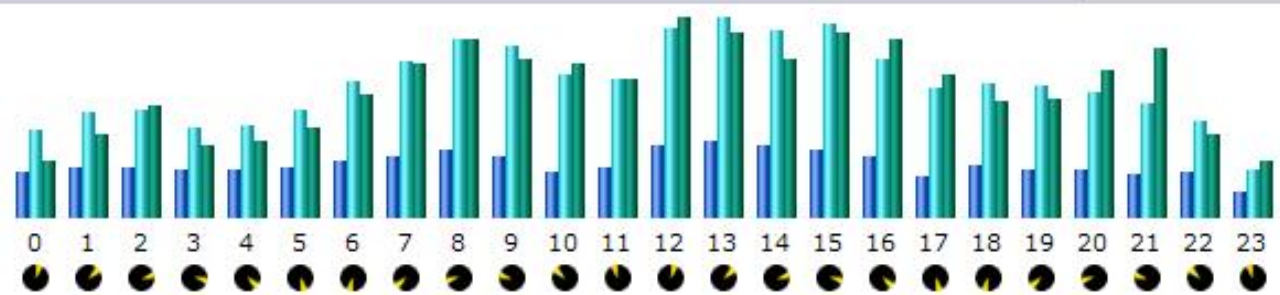
October 2011



Day	Pages	Hits	Bandwidth
Mon	4,360	12,664	2.96 GB
Tue	2,669	11,250	3.34 GB
Wed	2,988	11,916	3.89 GB
Thu	6,072	16,341	4.70 GB
Fri	9,521	18,385	3.57 GB
Sat	4,122	7,331	1.30 GB
Sun	3,860	7,325	1.37 GB

Hours

October 2011



The activity on JACoW is continuous:

all year round

all days of the week

all day long

from all over the world

Eu.archive.org

Countries (Top 10) - Full list

October 2011

Countries	Pages	Hits	Bandwidth
Netherlands nl	82,800	97,406	6.58 GB
United States us	18,903	72,619	16.60 GB
Germany de	6,703	24,744	5.42 GB
China cn	6,263	25,838	6.08 GB
Switzerland ch	4,811	17,332	4.64 GB
Russian Federation ru	4,246	14,864	2.65 GB
Japan jp	3,971	16,974	4.74 GB
France fr	3,620	28,562	2.99 GB
Great Britain gb	2,540	10,162	2.86 GB
Italy it	2,482	9,887	2.39 GB
Others	10385	49791	35.16 GB

Other statistics






Robots/Spiders visitors (Top 10) - Full list - Last visit

67 different robots*	Hits	Bandwidth	Last visit
Unknown robot (identified by 'crawl')	3,351,427	434.69 GB	31 Oct 2011 -
fast[_+\s]enterprise[_+\s]crawler[_+\s]6[_+\s]used[_+\s]by[_+\s]cern	1,998,806	155.43 GB	29 Oct 2011 -
Googlebot	243,896	55.87 GB	31 Oct 2011 -
Yahoo Slurp	166,363	41.11 GB	31 Oct 2011 -
BaiDuSpider	81,403	1.14 GB	31 Oct 2011 -
Yandex bot	64,342	9.27 GB	31 Oct 2011 -
Unknown robot (identified by 'bot*')	42,008	11.31 GB	31 Oct 2011 -
Voila	20,773	4.42 GB	31 Oct 2011 -
WGet tools	13,971	5.43 GB	31 Oct 2011 - 23:17
MSNBot	7,920	277.35 MB	31 Oct 2011 - 03:13
Others	20,865	1.88 GB	

* Robots shown here gave hits or traffic "not viewed" by visitors, so they are not included in other c











Operating Systems (Top 10)

- Full list/Versions - Unknown

Operating Systems	Hits	Percent
 Windows	334,257	63.6 %
 Unknown	131,855	25.1 %
 Macintosh	31,771	6 %
 Linux	26,378	5 %
 iOS	296	0 %

Browsers (Top 10) - Full





list/Versions - Unknown

Browsers	Grabber	Hits	Percent
 MS Internet Explorer	No	226,565	43.1 %
 Firefox	No	100,876	19.2 %
 Unknown	?	94,769	18 %
 Mozilla	No	35,574	6.7 %
 Google Chrome	No	30,407	5.7 %
 Safari	No	22,414	4.2 %
 Opera	No	7,175	1.3 %
 Netscape	No	2,403	0.4 %
 I-Mode phone (PDA/Phone browser)	No	2,364	0.4 %
 Android browser (PDA/Phone browser)	No	678	0.1 %
Others		1917	0.3 %

Visits duration

Number of visits: 12,504 - Average: 258 s	Number of visits	Percent
0s-30s	9,608	76.8 %
30s-2mn	792	6.3 %
2mn-5mn	439	3.5 %
5mn-15mn	612	4.8 %
15mn-30mn	360	2.8 %
30mn-1h	457	3.6 %
1h+	236	1.8 %

File type

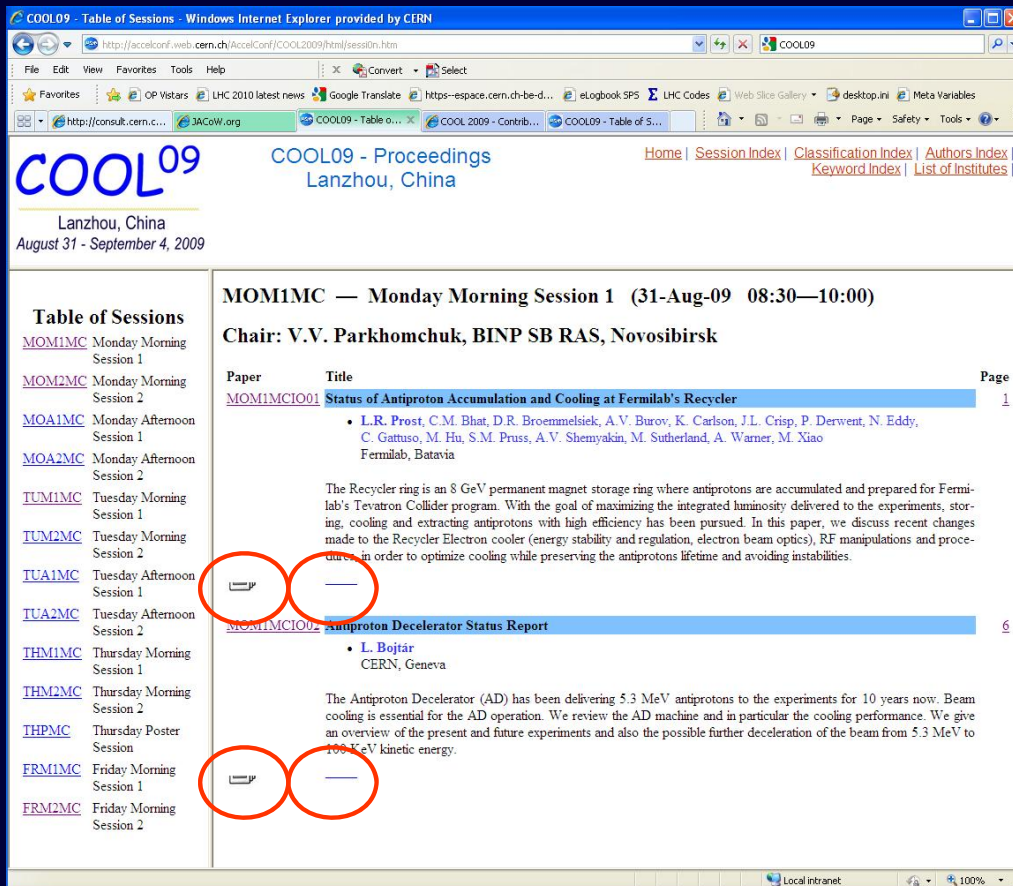
File type	Hits	Percent	Bandwidth	Percent
 htm HTML or XML static page	124,326	33.7 %	1.62 GB	2.3 %
 pdf Adobe Acrobat file	89,104	24.2 %	64.50 GB	92.6 %
 gif Image	60,631	16.4 %	92.22 MB	0.1 %
 jpg Image	29,542	8 %	1.44 GB	2 %



Indexing & Searching of JACoW Pages

- Only indexed pages can be found by the Search engine
 - ❖ Search on author, title, keyword or any text
- Web crawler should automatically index web pages
 - ❖ But occasionally needs a manual intervention
 - The problem has been recurrent since several years, 3 times this year
 - Traced back to crawler inconsistencies, corrupting document database
 - ❖ Lost existing indexing on 2 occasions
 - Instable state of web server, restart successful
- Special characters using diacritical marks (ü, é, å, ö,...)
 - ❖ 170+ persons in SPMS with a special character in their name
 - ❖ Example: Brüning
 - JACoW search on author Brüning : 28 hits
 - JACoW search on author Bruning : 4 hits
 - Google search on Brüning : results for Brüning, Bruning and Bruening
 - ❖ I did not take any action, the issue remains for the moment

Solved issues



➤ Annoying feature in some IE browsers

- ❖ Found to be curable
- ❖ Switch document mode to IE8 Standards

➤ Undelivered e-mails from the conference editor

- ❖ Problem: Re-entrant address refused by mail server
- ❖ Solution: generic From address at RSC-E
 - ❖ jacow.conference@cern.ch
 - ❖ ipac12@fnal.gov

➤ Today's Status

- ❖ 111 conferences published
- ❖ Worth 50 GB of data
- ❖ The interest is real
- ❖ The support effort increases
- ❖ Resources may become an issue

➤ Past Conferences expected to be published on JACoW

➤ 2010 Conferences

- ❖ Cyclotron-2010

➤ 2011 Conferences

- ❖ DIPAC-2011
- ❖ FEL-2011
- ❖ COOL-2011
- ❖ ICALEPCS-2011
- ❖ ERL-2011

SPMS Topics discussed at pre-meeting

- Continuously evolving SPMS functionality
 - ❖ The SourceForge enables collaborative development efforts
- Image URLs not ideally hosted
 - ❖ Existing images hosted at CERN web server (default configuration)
 - ❖ New images created at a remote site (mixed content issue)
 - ❖ Enhancement possible for dynamic parameter configuration
- Single bridge account at RSC-Europe
 - ❖ Successfully used since 2 years now
- Repatriation procedure
 - ❖ Re-developed by Matt , delegate data to be included
 - ❖ Procedure to be documented with respect to web access, synchronization, patching, repatriation, data deletion
- Providing systematically index information to Inspire/Spires
 - ❖ Provided directly by Volker, availability on JACoW redundant

Publication Topics

- **Creative Commons logo**
 - ❖ Default for new proceeding publications since IPAC2011
 - ❖ Also for internal publication (e.g. on CERN Document Server) ?
- **Software Acrobat and Pitstop licenses**
 - ❖ Distributed 11 licenses to conference editors
 - ❖ Is Volker's procedure followed successfully and correctly?