

EGEE-III Summary

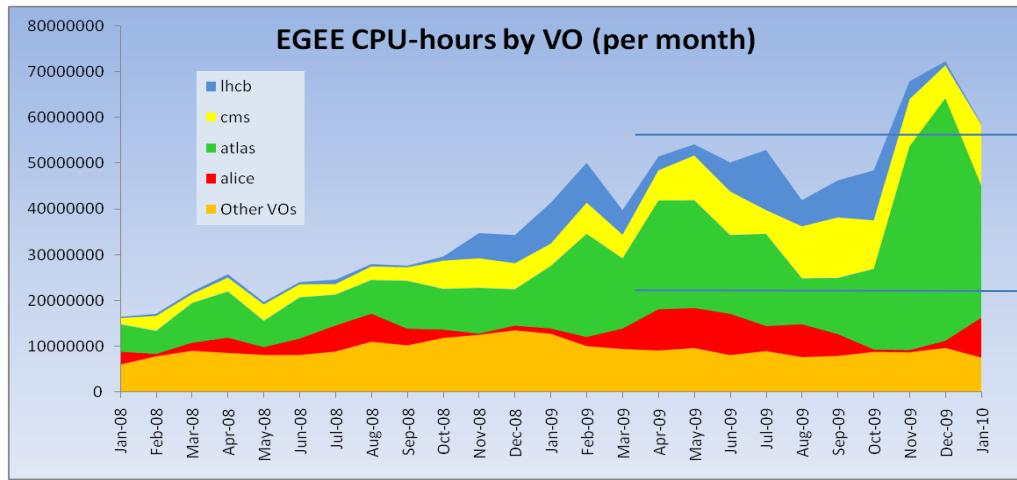
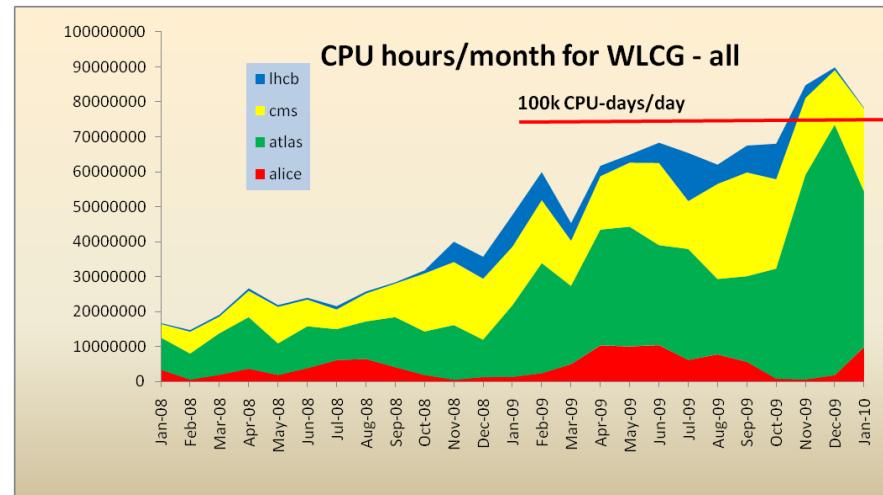
Bob Jones – Project Director - CERN

EGEE-III final review (CERN)
23-24 June 2010

- **Project**
 - Programme of Work completed - all deliverables produced and milestones achieved
 - Financial and effort consumption as foreseen
 - Key project metrics achieved or surpassed
 - Recommendations from the first review have been implemented
 - **Key added value of EGEE-III has been to provide continuous high quality operation of a European grid which has doubled in scale and served a wider user base while at the same time transforming its organization and processes for a transition to a federated model based on NGIs**
- **Infrastructure**
 - Scale of infrastructure increased (sites, countries, diversity of user communities)
 - Improved Quality of Service resulting from better monitoring and operational procedures
 - Operational procedures and tools revised to accommodate move from ROCS to NGIs

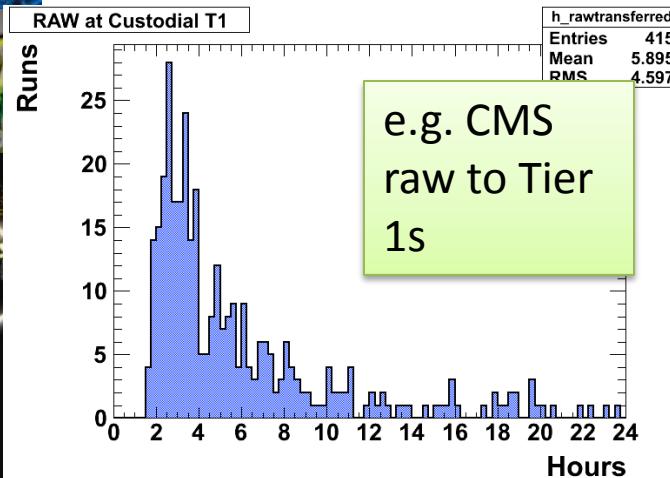
- **Middleware and interoperability**
 - Ensured continued support of middleware to match increased deployment and usage
 - Deployed interoperability with other middleware stacks, notably ARC & UNICORE
 - Initial deployment of new security infrastructure – ARGUS
 - Revised software process
- **Usage of the infrastructure**
 - Overall CPU usage has significantly increase
 - All supported disciplines have increased the breadth of applications deployed
 - **With EGEE, scientists are able to do more work, on a larger scale, and get results in a shorter time frame. EGEE has formed collaborations within Europe and world-wide, and allowed Europe to collaborate as a whole with other regions. These collaborations will last for years to come.**

WLCG uses EGEE & OSG

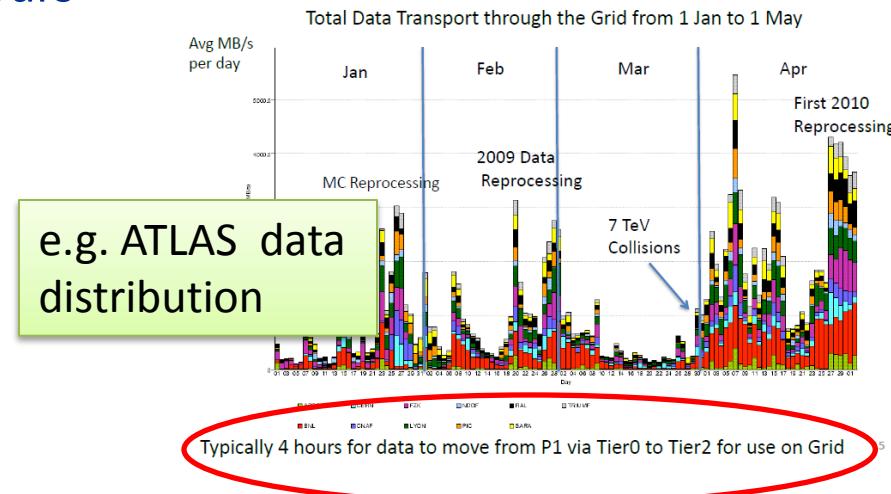


Readiness of the Computing

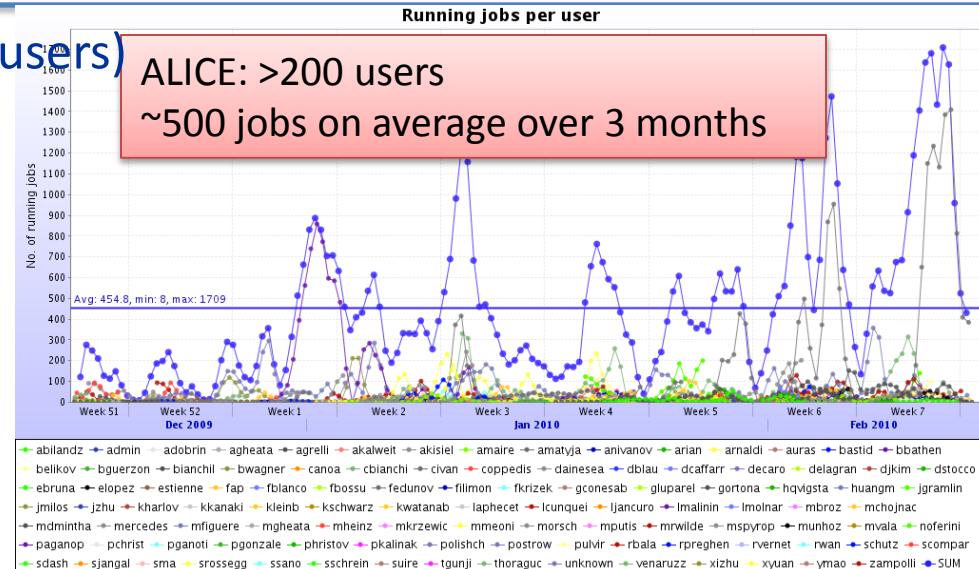
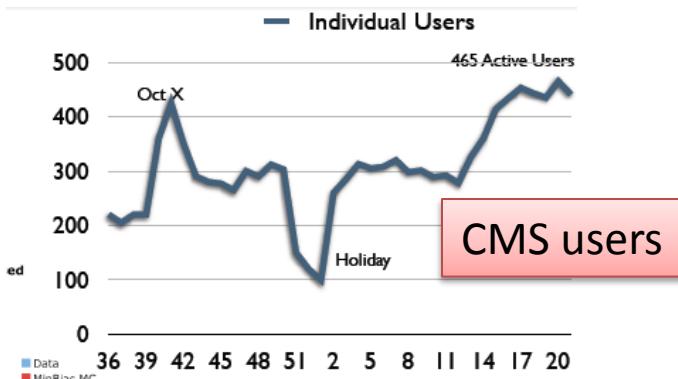
- Data reaches Tier 2s within hours



Worldwide Data Distribution



- Increasing numbers of (analysis users)
 - E.g.: ~500 grid users in each ATLAS/CMS; ~200 in ALICE



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Q&A: Peer-reviewed physics, at the speed of light

Sergio Bertolucci is the director for research and computing at CERN. Over the noise of nearby cathedral bells chiming the hour, iSGTW caught up with him on the steps of the University Building in Uppsala during a coffee break at the EGEE User Forum. We asked him about the spate of new papers coming out from the LHC, and what it all means for science.

iSGTW: *We have heard that a lot of papers have already been published in the time since the start-up of the LHC. Is that right?*

Bertolucci: Four papers on high-energy physics have already published, and 15 are in preparation as of today, April 14, all based on the collisions that just happened.

One week after the first collisions, the first papers were published electronically. And these were all peer-reviewed.

iSGTW: *That's very fast, compared to the sometimes years-long process of traditional print journals. How was the peer-review done?*

Bertolucci: Each experiment is not a monolith, but consists of 3,000 people working in teams on separate projects within it. When a paper is about to be produced, it passes through different teams for internal review, then is reviewed by teams on other experiments, then reviewed by CERN. So, there have been five layers of review before it even goes to the external publication, which has its own, independent review system. The whole system sounds complex, but nonetheless is fast, as seen by one week between observation and publication.

iSGTW: *Where have these papers appeared?*

Bertolucci: Open-access journals, such as the [Journal of High Energy Physics](#). Our paradigm has always been open access, and this is a good place to practice it.

iSGTW: *What was the content of what was published?*

Bertolucci: For one thing. The number of charged particles per unit angle at different

<http://www.isgtw.org/?pid=1002493>



Sergio Bertolucci during an interview with a member of the Swedish press. Image courtesy Corentin Chevalier, [GridTalk](#)

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CERN sets date for first attempt at 7 TeV collisions in the LHC

PRO6.10
23.03.2010

Geneva, 23 March 2010. With beams routinely circulating in the Large Hadron Collider at 3.5 TeV, the highest energy yet achieved in a particle accelerator, CERN has set the date for the start of the LHC research programme. The first attempt for collisions at 7 TeV (3.5 TeV per beam) is scheduled for 30 March.

"With two beams at 3.5 TeV, we're on the verge of launching the LHC physics programme," explained CERN's Director for Accelerators and Technology, Steve Myers. "But we've still got a lot of work to do before collisions. Just lining the beams up is a challenge in itself: it's a bit like finding needles across the Atlantic and getting them to collide half way."

Between now and 30 March, the LHC team will be working with 3.5 TeV beams to commission the beam control systems and the systems that protect the particle detectors from stray particles. All these systems must be fully commissioned before collisions can begin.

"The LHC is not a turnkey machine," said CERN Director General Rolf Heuer. "The machine is working well, but we're still very much in a commissioning phase and we have to recognize that the first attempt to collide is precisely that. It may take hours or even days to get collisions."

The last time CERN switched on a major new research machine, the Large Electron Positron collider, LEP, in 1989 it took three days from the first attempt to collide to the first recorded collisions.

The current LHC run began on 20 November 2009, with the first circulating beam at 0.45 TeV. Milestones were quick to follow, with twin circulating beams established by 23 November and a world record beam energy of 1.18 TeV being set on 30 November. By the time the LHC switched off for 2009 on 16 December, another record had been set with collisions recorded at 2.36 TeV and significant quantities of data recorded. Over the 2009 part of the run, each of the LHC's four major experiments, ALICE, ATLAS, CMS and LHCb recorded over a million particle collisions, which were distributed smoothly for analysis around the world on the LHC computing grid. The first physics papers were soon to follow. After a short technical stop, beams were again circulating on 28 February 2010, and the first acceleration to 3.5 TeV was on 19 March.

Once 7 TeV collisions have been established, the plan is to run continuously for a period of 18-24 months, with a short technical stop at the end of 2010. This will bring enough data across all the potential discovery areas to firmly establish the LHC as the world's foremost facility for high-energy particle physics.

A webcast will be available on the day of the first attempt to collide protons at 7TeV. More details will be available at: <http://press.web.cern.ch/press/lhc-first-physics/>

LHCC Referees...

- *"First experience of the World-wide LHC Computing Grid (WLCG) with the LHC has been positive. This is very much due to the substantial effort invested over several years during the intensive testing phase and all Tier centres must take credit for this success. The LHCC congratulates the WLCG on the achievements."*

May 2010

WLCG: Experience from Real Data Taking

20

"Over the 2009 part of the run, each of the LHC's four major experiments, ALICE, ATLAS, CMS and LHCb recorded over a million particle collisions, which were distributed smoothly for analysis around the world on the LHC computing grid. The first physics papers were soon to follow."

- **Dissemination, outreach & training**

- 4 major international events organised each with more than 500 participants
- Very high media profile maintained over two years
- More than 200 scientific journal papers published
- 185 training events organised in 29 countries with more than 2300 participants
- Engagement with ESFRI projects intensified
- Websites audited to ensure material remains “timeless” and continuously available

- **Sustainability**

- Formation of gLite Open Collaboration for continued support and development of the middleware stack
- EGEE and gLite trademarks registered for a further 5 years
- JRUs laid the foundations for NGIs
- Transition to EGI has been made
- EGEE’s infrastructure, procedures, tools, middleware and personnel forms the foundation of EGI
- Many deliverables include “lessons learnt” and additional material produced to ensure the experience gained during EGEE can be re-used by future projects and initiatives

The road towards EGI		
2001	January	European Data Grid project is launched
2004	April	EGEE begins
2006	May	EGEE-II takes over from EGEE
2007	September	EGI_DS begins
2008	May	EGEE-III begins
	December	EGI_DS releases ‘Blueprint for a European Grid Infrastructure’
2009	March	EGI_DS policy board decide Amsterdam will host EGI.eu
	July	EGI council is created based around a Memorandum of Understanding
2010	8 February	EGI.eu is founded
	1 May	EGI.eu assumes coordination of European Grid Infrastructure, supported financially by NGIs, EIROs and the EC through the EGI-InSPIRE project
2014		EGI-InSPIRE ends, EGI.eu continues to coordinate EGI

NA2: Catherine Gater *et al*

NA3: Robin McConnell *et al*

NA4: Cal Loomis *et al*

NA5: Christos Kanellopoulos *et al*

SA1: Maite Barroso *et al*

SA2: Xavier Jeannin *et al*

SA3: Oliver Keeble *et al*

JRA1: Francesco Giacomini *et al*

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KONSTANTINOU IOANNIS	KOZLOVSZKY MIKLOS	LACCETTI GIULIANO	LENIS ANGELOS
KOPSIDAS SPYRIDON	KOZUCHOVA JANA	LAGANA ANTONIO	LEQUEUX OLIVIER
KORENKOVL VLADIMIR	KRAKOWIAN MALGORZATA	LAJOIE CHAD LOREN	LERoy CHRISTINE
KORNAFELD ADAM	KRCMAROVA GABRIELA	LAKHNO VICTOR	LESJAK DEJAN
KOROLKO IVAN	KRENEK ALES	LAMAS DAVINA ALEJANDRO	LESZAK ANDRAS
KOROSOGLOU PASCHALIS	KRINITSKAYA NADEZDA	LAMMERTS EVERET	LI YIBIAO
KORYAGIN DMITRY	KRUEGER ANDREI	LAPEGNA MARCO	LIABOTIS IOANNIS
KOTLYAR VICTOR	KRYUKOV ALEXANDER	LAPKA WOJCIECH	LIAUZU STEPHANIE
KOUBA TOMAS	KULJU KATRI	LAPPAS EVANGELOS	LICHWALA RAFAL
KOUKIS EVANGELOS	KUNDRAT JAN	LAPTEV SERGEY	LILOVSKI KALIN
KOUKOPOULOS KONSTANTINOS	KUNSZT PETER	LARSSON JENS HENRIK	LINDKVIST ELISABETH
KOUMANTAROS KONSTANTINOS	KUNZE MARCEL	LARTIZIEN CAROLE	LINGRAND DIANE SYLVIE
KOURIL DANIEL	KUPCZYK MIROSLAW	LASON PATRYK	LINOSSIER JEAN-BENOIT

LIRA MATTHEW MOISES	LOW BOON	MANOACH EMIL SAMUIL	MARZOLLA MORENO
LITMAATH MAARTEN	LUMINARI LAMBERTO	MANOUSARIDOU ELEANNA	MASA MARIN JAVIER
LITOV LEANDAR BORISOV	LYKOU KONSTANTINA	MANUALI CARLO	MATHIEU GILLES
LIVESEY PAUL ROGER	LYMPERIS ANTONIOS	MARASCHINI ALESSANDRO	MATYSKA LUDEK
LLOYD STEPHEN	LYUBLEV EVGENY	MARAY TAMAS	MAX URSULA ANNE-MARIE
LOIKKANEN SINIKKA	MA MINGCHAO	MARCO DE LUCAS JESUS	MAZZUCATO MIRCO
LOKAJICEK MILOS	MAC MAHON EWAN	MARCO DE LUCAS RAFAEL JOSE	MCARTHUR IAN
LONGO GIUSEPPE	MACEVOY BARRY CHARLES	MARGENOV SVETOZAR	MCCANCE GAVIN
LOOMIS CHARLES	MACNICOL DAVID	MARIC IVAN	MCCONNELL ROBIN
LOPEZ JAVIER	MADDY GILLIAN ELAINE	MARKATOS EVANGELOS	MCGOUGH ANDREW
LOPEZ IGNACIO	MAFFIOLETTI SERGIO	MARKOU CHRISTOS	MCNAB ANDREW
LOPEZ CANIEGO ALCARRIA MARCOS	MAGGI GIORGIO	MAROSI ATTILA	MCNAB DOUGLAS
LOPEZ GARCIA ALVARO	MAGHERUSAN CRISTIAN	MARRA OSVALDO	MCNICOL DAVID
LOPEZ GARCIA DIEGO RAFAEL	MAGKLOGIANNIS ELIAS	MARTEN HOLGER HANS	MEDERNACH EMMANUEL
LOUPSYNSKI MICHAL CEZARY	MAGNIN ISABELLE	MARTIN LILIANA	MEDVED ROGINA BRANKA
LORCA EXTREMERA ALEJANDRO	MAGNONI LUCA	MARTIN LLORENTE IGNACIO	MEDVEDEV DMITRY
LOSILLA ANADON GUILLERMO	MAGOULES FREDERIC	MARTIN RUBIO PASCUAL VIRGINIA	MEHAMMED HAMZA
LOUKAKOU ANNA	MAGRYS MAREK	MARTINEZ FRANCISCO	MEHMET UGUR YILMAZ
LOUKAS DEMETRIOS	MAIER ANDREW	MARTINS CONCEICAO JOAO PAULO	MEI WEN
LOULLOUDES NICHOLAS	MAIGNE LYDIA	MARTON WITOLD	MEIJSTER ARNOLD
LOURIDAS PANAGIOTIS	MAIR GREGOR MAXIMILIAN	MARTYNIAK JANUSZ	MELENTI CORNELIA
LOVAS ROBERT	MALZACHER PETER	MARUSOV NIKOLAY	MENDES RICARDO

MENDEZ LORENZO PATRICIA	MISURELLI GIUSEPPE	MUNI TOKE IOANE	NETZER GILBERT ALEXANDER
MENDOZA LINARES VICTOR SIMON	MITSYN SERGEY	MUNOZ RAQUEL	NEUFFER KAI
MERAKOS LAZAROS	MITSYN VALERY	MUNTEANU MIRCEA ANDREI	NEWHOUSE STEVEN
MERENTITIS KONSTANTINOS	MOCOVA DITA	MURLI ALMERICO	NEWMAN JO
MERINO GONZALO	MODOS PETER	MUSCELLA SILVANA	NEYROUD NADINE
MEROLA LEONARDO	MOGUILNY GENEVIEVE	MUSSO JEAN-FRANCOIS	NIJHOF JEROEN
MEYER JEAN-PIERRE	MOHAMMAD KASHIF	NADAL JAVIER	NIKAS KONSTANTINOS
MEYER NORBERT	MOHRBACHER CHRISTIAN	NAE CATALIN	NIKIFOROU SAVVAS
MICHELOTTO MICHELE	MOLINARI ELISABETTA	NAEGELE-JACKSON SUSANNE	NIKITIN KONSTANTIN
MICI NIKOLLAQ	MOLLON REMI	NANOS ANASTASIOS	NIKOLERIS NIKOS
MICKEL KLAUS-PETER	MONFORTE SALVATORE	NASSIAKOU MARIA	NIKONOV EDUARD
MICOUT PIERRICK	MONORCHIO DIEGO	NAWROCKI KRZYSZTOF	NILSEN DMITRY
MIDDLETON ROBIN	MONTAGNAT JOHAN	NAZ FARIDA	NOLAN SARAH
MIGA BLAZEJ	MONTE GREGORY ALAIN	NAZIPOVA NAFISA	NOSYREVA NATALIYA
MIGLIORI SILVIO	MOSCHOUS EMMANOUIL	NEAGU GABRIEL	NOVAK JUDIT
MIKKONEN HENRI JOHANNES	MOTLICH ANATOLY	NEBIOLI FEDERICO	NOVIKOV ALEXANDER
MIKOLAJCZAK JERZY	MOUNTRAKIS LAMPROS	NEGOVELOV SERGEY	NOVODVORSKIY EVGENY
MIKUZ MARKO	MOURA DAVID MARIO	NEGRI VIOREL	NOWELL JEREMY
MILANESI LUCIANO	MOUSMOULAS ZINON	NEISSNER CHRISTIAN	NOWOCIEN TOMASZ ADAM
MILOVANOVIC MILICA	MOUTHUY THIERRY	NEMETH ZSOLT	O'CALLAGHAN DAVID WILLIAM
MISHAKOV ANATOLIY	MULAC MILOS	NEMETH DENES	O'NEILL NEASAN
MISHIN DMITRY	MUNGWALA ELIAS	NENKOVA PLAMENA	OETTL PETER

OLESHKO SERGEY	PARKER STEPHANIE HELEN	PETROVICI ALEXANDRINA	POULAT SUZANNE
OLEYNIK DANILA	PATANIA GIUSEPPE	PETRUCZYNIK SEBASTIAN	POULI VASILIKI
OLIVER OSCAR	PATAU GENEVIEVE	PHILIPPON GUILLAUME	POUW PHILIPPUS
OLSZEWSKI ANDRZEJ JAN	PAUNA EDUARD IONUT	PHIPPS ALISTAIR KENNETH	POVEDA MARIA
ORVIZ FERNANDEZ PABLO	PAVAN ELENA	PIAVKA ALEXANDER	POYDA ALEXEY
OSKARSSON JAN NIKLAS ROGER	PAVKOVIC NIKOLA	PICCA PIETRO MARIA	PREDA STEFAN ALEXANDRU
OTZENBERGER RAPHAEL	PELLEGRINI SIMONE	PIERRO GIUSEPPE ANTONIO	PREDA TITI
OWEN KRYSTYNA	PELLEGRINI MARK	PIOTROWSKI MICHAL	PRELZ FRANCESCO
OZEROV DMITRY	PELLEN MELENIE	PIRNAY DAISY	PREUSS CARSTEN
OZIEBLO ANDRZEJ	PENSO HOF VICTOR MANUEL	PIRO ROSARIO MICHAEL	PRICOP MIHAI VICTOR
PACINI FABRIZIO	PEREZ JULIEN JACKY	PISTOLESE MASSIMO	PRIKHODKO ALEXEY
PADEE ADAM	PEREZ GOMEZ ALBERTO	PLATANIA GIUSEPPE	PRINCIPE FRANCESCO
PAGACZ ANNA	PERINI LAURA	PODDA SALVATORE	PRLIC TATJANA
PAJOROVA EVA	PERSI EREZ	POLAK MARTIN	PRNJAT OGNJEN
PALANSURIYA CHARAKA	PETCU DANA	POLYAKOV ANDREY	PROCHAZKA MICHAL
PALMIERI FRANCESCO	PETER CHRISTIAN	PONCET LOUIS	PRODAN RADU
PANICA SILVIU IOAN	PETERS ANDREAS JOACHIM	POP FLORIN	PUCCIANI GIANNI
PANTELIS FILIPPIDIS	PETITDIDIER MONIQUE	PORTO MARI CARMEN	PUGLIESE ROBERTO
PAOLI SILVANO	PETOUKHOV VADIM	POSCHLAD ANGELA	PUKHAEVA NELLI
PAOLINI ALESSANDRO	PETRONZIO LUCA	POSPIESZNY MARCIN	PURDIE STUART
PAPACHRISTOS CHRISTOS	PETROSYAN ARTEM	POSPISIL JAN	PUSCHITZ BORIS
PARDI SILVIO	PETROVICI MIHAI	POTOLEA RODICA	QING DI

QUINTILIANI ANDREA	RINALDI LORENZO	RYABINKIN EYGENE	SARAY VILLAMIZAR JOSE
RABANSER MARTIN	RIVEILL MICHEL EDMOND	RYABOV YURY	FRANCISCO
RADECKI MARCIN	RIVERO GRACIA ALEJANDRO ENRIQUE	SAARINEN JAAKKO SAMULI	SARNOWSKA KAROLINA
RAHAL GHITA	RIVIERE CHRISTINE	SAATHOF JURRIAAN	SARRAMIA DAVID GASTON
RAJCSANYI VILMOS	ROBLES BLAZQUEZ ESTHER MARIA	SADOWSKY RAPHAEL	SARTIRANA ANDREA
RAND DUNCAN	RODRIGUEZ ESPADAMALA MARC	SAGUEZ CHRISTIAN	SAYZHENKOVA SOFIA
RAPACCHI BERNARD	RODWELL TOBY	SAITTA LORENZA	SBOLGI LORENZO
RATHMANN TORSTEN	ROEMER BERND	SAIZ PABLO	SCARDACI DIEGO
RAZBORNIK SANDRA	ROGERS WILLIAM ALEXANDER	SAKKA ATHINA	SCARPALEZOS LUCAS
REALE MARIO	ROMIER GENEVIEVE	SALENTE GIUSEPPINA	SCHAFFER JONATHAN
REBATTO DAVID	RONCHIERI ELISABETTA	SALGUEIRO RICARDO	SCHAEFFNER INGRID
REICHSTADT PIERRE-LOUIS	RONNEBERGER KERSTIN ELLEN	SALLE MISCHA	SCHAER FREDERIC
REINECK KARSTEN	ROPKA MICHAL	SALOMONI DAVIDE	SCHAEUFELE KARIN
RESCONI SILVIA	ROSS DEREK	SALT JOSE	SCHARINGER FLORIAN
RETICO ANTONIO	ROTH MICHAEL MARCUS	SALVET ZDENEK	SCHAUERHAMMER KARIN
REY PABLO	ROUSSOS ANDREAS	SANCHEZ JAVIER	SCHIAUA CLAUDIU CORNEL
REYNAUD SYLVAIN	RUBINI GIAN LUCA	SANCHEZ GONZALEZ EDILBERTO	SCHMITT OLIVER
REYNOLDS BARREDO JOSE	RUDA MIROSLAV	SANDGREN AKE	SCHOVANCOVA JAROSLAVA
RIABI HASSEN	RUELLE HELENE	SANDU IONUT	SCHRIJVERS COEN
RIBEIRO DIAS NUNO MANUEL	RUGOVAC SHKELZEN	SANTI CLAUDIA	SCHULZ MARKUS
RICARD MICHEL	RUMLER ROLF	SANTIAGO MONTERO RUBEN	SCHWARZ LIONEL
RICHARDS ANDREW JOHN	RUSSO GUIDO	SANTINELLI ROBERTO	SCHWARZ KILIAN

SCHWICHTENBERG HORST	SHIYACHKI DIMITAR ASENOV	SOLDATOV ANATOLY	STEPANOVA LUDMILA
SCHWICKERATH ULRICH	SHPIZ GRIGORIY	SOLDATOV ALEXEY	STERZEL MARIUSZ
SCIABA ANDREA	SHTEREV KIRIL	SOSIC JAKOV	STEWART GRAEME
SCIGACZ ZUZANNA	SILANES CRISTOBAL INAKI	SOTIROPOULOS SOTIRIOS	STILL PARTRICK
SCOTT SUZANNE	SIMO BRANISLAV	SOTIROPOULOS FOTIOS	STOICEA GABRIEL
SEBAG MARTINE	SIMON GARCIA ALVARO	SOTIROPOULOS AISTEIDIS	STOJDA DOROTA
SEBESTYEN PAL GHEORGHE	SINCLAIR GILLIAN	SOUCEK BRANKO	STRATAN CORINA
SEBESTYENOVA JOLANA	SIOUNGARIS ALEXANDROS	SOUTER IAIN	STRATIS KONSTANTINOS
SELANDER ANDERS	SIPKOVA VIERA	SPALINGER NICOLAS	STRELCובה ZORA
SELENG MARTIN	SIPOS GERGELY	SPASOV STANISLAV	STRIJ TATIANA
SEMENOV IGOR	SITERA JIRI	SPENCER ROBERT JAMES	STROE SEVASTIAN
SEMYACHKIN DMITRY	SIVOKLOKOV SERGEY	SPHICAS PARASKEVAS	STYLIANIDES NICHOLAS
SEPHTON KEITH MARTIN	SKABURSKAS KONSTANTIN	SPIELMANN CHRISTOPH	SUERINK TRISTAN
SERRANO SANZ FERMIN	SKALA KAROLJ	SPINOSO VINCENZO	SUSTR ZDENEK
SEVASTI AFRODITE	SLIZIK PETER	SPONZA MASSIMO	SUTE HRVOJE
SEVCENCO CRISTIAN	SLUITER FLORIS	SPYROU SPYRIDON	SVEC JAN
SGARAVATTO MASSIMO	SLUSANSCHI EMIL-IOAN	STANCIU ALEXANDRU	SVENSSON GERT ANDERS
SHABRATOVA GALINA	SMITH DAVID HUGH	STARINK RONALD	SYNGE OWEN
SHADE JOHN	SMITH DAVID MATTHEW	STATHAKOPOULOS GEORGIOS	SZEBERENYI IMRE
SHAH ZEECHAN ALI	SMITH CHRISTOPHER	STEFAN PETER	SZEPIONIECTOMASZ
SHAKED DANNY	SOKOLOV MIKHAIL	STEFANOV STEFAN	SZIGETI SZabolcs
SHAMARDIN LEV	SOLAGNA PETER	STELMASZYK ADRIAN	SZIKSZAY FABRI ANNA

SZLAVECZ ALIZ	THOMAN PETER	TWAROG TOMASZ	VANDENBROUCKE ROSETTE
TAFFONI GIULIANO	THOMOPOULOS GEORGIOS	TYULBASHEVA GAYANE	VARGA KITTI
TALLADA PAU	TIKHONENKO ELENA	TZIOUVARAS CHRYSOSTMOS	VATAMAN ADRIAN
TALPE SEBASTIEN	TOCHILKIN ALEXANDER	ULJEE LUUK	VAZQUEZ POLETTI JOSE LUIS
TANASKOVIC DARKO	TODOROV DIMITAR	ULLMANN KLAUS	VENEKAMP GERBEN
TAO JIE	TODOROVAC MIRSAD	UNTERKIRCHER ANDREAS	VENTON DANIELLE
TAPPE CHRISTIAN	TOLA FABIENNE	URAZMETOV VASIL	VENTRE GIORGIO
TAPUS NICOLAE	TOMANEK MALGORZATA	USAJ ALESSANDRO	VERALDI RICCARDO
TARANCON LAFITA ALFONSO	TOMPROU STAMATINA	USTININ MIKHAIL	VERGADOS DIMITRIOS
TARTIERE ROMAIN	TRALDI SERGIO	VACCAROSSA LUCA	VERHAEGHE NATHANIEL
TEDESCO PAOLO	TRAN DINH	VAHTRAS KARL OLAV	VERIGAKIS GEORGIOS
TEL-ZUR GUY	TRAYLEN STEPHEN	VALENTE ENZO	VERKOOIJEN ALEXANDER
TEMIZSOYLU ONUR	TRIANTAFYLLODIS CHRISTOS	VALLES PEREZ RUBEN	VERLATO MARCO
TEMPLE JASON MARK	TROFIMOV VLADIMIR	VAMVAKOPOULOS EMMANOUIL	VERNET RENAUD
TEMPLON JEFF	TROMPERT RON	VAN BEEK PETRUS JOHANNES	VERONESI PAOLO
TEPLUKHIN ALEXANDER	TRUSHIN KONSTANTIN	VAN BINN ST PAUL	VERZELLONI FABIO
TERRACINA ANNALISA	TSAKIRIS NIKOLAOS	VAN DE SANDEN MARK	VESZTERGOMBI GYORGY
TERRONT TRUJILLO DIEGO	TSCHOPP VALERY	VAN DER WAL ROB	VETOIS GERALD
TESLYUK ANTHONY	TSVETKOV NIKOLAY	VAN DOK DENNIS	VEYRE PIERRE
TEXIER ROMAIN	TUGULEA MIRCEA	VAN HOESSEL FRANS	VICINANZA DOMENICO
THACKRAY NICHOLAS	TUISKU MIIKA	VAN INGEN MAARTEN	VIDAL URBEZ MARIA ISABEL
THEODOSIOU CHRISTOS	TURLAKOV HRISTO	VAN RIJN ARJEN	VIDIC VALENTIN

VILJOEN MATTHEW	WEINGART URI	ZAKRZEWSKA LAVERY KRYSTYNA
VILLAPLANA PEREZ MIGUEL	WEISSENBACH DAVID	ZANGRANDO LUIGI
VILLASANTE RAMON	WELZL MICHAEL	ZANI STEFANO
VILOTTE JEAN-PIERRE	WEN TED	ZAPPI RICCARDO
VINCELLER ZOLTAN	WERNLI FABIEN	ZAQUINE GABRIEL
VISEGRADI ADAM	WHITE JOHN	ZAWADA ADAM
VISTOLI CRISTINA	WILSON ANTHONY	ZAWADZKI MAREK
VIVES GILABERT YOLANDA	WISLICKI WOJCIECH	ZEINALIPOUR YAZTI DEMETRIOS
VOCU MICHAL	WISSING CHRISTOPH	ZENGİN ASLİ
VOGT MARTIN	WITZIG CHRISTOPH	ZHAO ZHENG
VOLKERT JENS	WOLAK TOMASZ	ZHILTSOV VICTOR
VOUTSINAS NIKOLAOS	WOLFRAT JULES	ZHIZHIN MIKHAIL
VOUZIKA EFSTATHIA	WOLNIEWICZ PAWEŁ	ZIAJKA WOJCIECH
VOZNESENSKY VLADIMIR	WORMSER GUY	ZILASKOS DIMITRIOS
VRHOVAC SLOBODAN	YOUINOU GAEL	ZISIADIS DIMITRIOS
VUAGNIN GLORIA	YOUNG STEVEN	ZISIMOS ANTONIOS
VUDRAGOVIC DUSAN	YOUSEF NARINAM	ZOTKIN SERGEY
VUERLI CLAUDIO	ZAFEIROPOULOS ANASTASIOS	ZUSMAN IRENA
WALSH JOHN	ZAGAR DAMIR	ZWEERS ONNO
WARNER GUY	ZAGKOURIS KIMON	ÖSTER PER
WARTEL ROMAIN	ZAIDENBERG NEZER JACOB	
WAWRZYNSKI KAROL	ZAITSEV ALEKSANDR	