

Based on preliminary discussions with various groups (in particular at ADASS and ICALEPCS conferences) that have some interest in the ACS(*) development and might be considering to use it or to collaborate to its further development, we have seen that there might be an interest in an ACS Workshop with the purpose of introducing ACS and discussing ACS present status, foreseen developments and how it can be used by projects other than ALMA.

(*) ACS is developed for the astronomical ALMA Project (while being a fully general framework for control and non-control applications). ACS is the result of a collaborative effort among the European Southern Observatory (ESO) (main partner- 4 FTE/year), National Radio Astronomy Observatory (NRAO), Socorro(1 FTE/year), Astronomical Observatory of Trieste (INAF-AOTs) (~1 FTE/year) and Cosylab Lmt. (~1 FTE/year). These Institutes share the intellectual property of ACS, which is freely available under the GNU LGPL public license (compatible with the use of commercial products, like ZLegacy /ACS.VxWorks). ACS is based on an initial kernel of software provided by JSI/Cosylab, which includes ABeans and has been in use on the ANKA accelerator, Germany. The present Release of ACS is used at about 20 Institutes and installed on something like 80 computers (See: [ACS Users List](#)).

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When

08th and 09th of March 2004

Where

ESO, Council Room Garching, near Munich, Germany

What

The main purpose of the workshop will be to discuss how ACS can be used for other projects than ALMA. Although ACS is developed for the ALMA and ALMA requirements drive the development, but a number of other projects both inside and outside the ALMA partner organisations have shown an interest in using ACS.

Agenda!

Monday		
09:00, 15m	Welcome , introduction to ESO	
09:15, 15m	Around the table: who is who!	
09:30, 15m	The ALMA project and the ALMA software	B.Glendenning, NRAO

09:45, 15m	The role of ACS in the ALMA SW	G.Raffi, ESO
10:00, 30m	ACS Status and future directions	G.Chiozzi, ESO
10:30, 15m	Coffee break	
10:45, 30m	Cosylab, IJS: Role in ACS development, projects and other ACS activities	M.Plesko, Cosylab
11:15, 30m	AOTs: The institute, projects, role in ACS development	M.Pucillo, INAF-AOTs
11:45, 30m	APEX: Architecture, use of ACS and re-use of TICS, interfacing to (legagy) devices with Socket devIO (OpenOffice , PowerPoint)	D.Muders, APEX
12:15, 60m	Lunch at Max-Planck canteen	
13:30, 30m	Round the table discussion about the morning, questions and answers	
14:00, 45m	HPT: Architecture, use of ACS and re-use of TICS, devIO and interfacing to devices HPTVer1.0.ppt	R.Lemke, HPT
14:45, 30m	ANKA Synchrotron: Architecture, use of ACS, experience of operation	W.Mexner, ANKA
15:15, 15m	Spanish 40m: Project, first experience with ACS	P.De Vicente, OAN
15:30, 15m	EVLA project status	G. van Morsel, NRAO
15:45, 15m	Coffee break	
16:00, 30m	Available middleware and common software solutions. Criteria for selecting. ACS, EPICS and others. Presentation and round table discussion	S.Wampler, NSO
16:30, 20m	ACS Keynotes: Component/Container model (ppt)	H.Sommer, ESO
16:50, 15m	ACS Keynotes: XML serialisation (ppt) For more information, see our paper and poster .	H.Sommer, ESO
17:05, 15m	ACS Keynotes: Code generation trends: ALMA Data Model code generation (ACSCodeGenerator) cf. DevelopingTheDataModel and the work on CVS under HLA/DataModel	H.Sommer
17:20, 20m	ACS Keynotes: ALMA Observing Tool: an example of high level ACS application that could be reused (ppt)	M.Schilling/H.Sommer, ESO
17:40, 30m	End of day: summary and open discussion	
19:00	Dinner at Burgerhaus Garching	
Tuesday		
09:00, 30m	Summary of first day. Questions and answers	
09:30, 30m	Keck Control System and Interferometer : experience with EPICs and CORBA	Al Conrad, Keck (videocon)
10:00, 20m	Integrating ACS with other (Control) Systems: ACS and EPICS	Cosylab
10:20, 20m	Integrating ACS with other (Control) Systems: ACS and VLT Common Software	G.Chiozzi, ESO
10:40, 20m	Coffee break	
11:00, 30m	Abeans: a generic Java and GUI development framework that can be interfaced to different control systems	Cosylab
11:30, 45m	ACS Performances: presentation of available performance measures and discussion	Cosylab
12:30, 85m	Lunch at Max-Planck canteen	
13:45, 15m	Proton Therapy Business Unit	Y.Claerboudt, IBA
14:00, 15m	IRAM Granada: 30m telescope	W.Brunswig
14:30, 90m	Round table: technical questions to the ACS team Using ACS in non ALMA projects: Organisation? How to collaborate? What support? Designing and developing standard interfaces and Components to be reused by different projects: Telescope Mount? Weather Station?.... What shared projects can we start and how can we handle them?	AcsWorkshopDiscussions
16:00, 20m	Coffee break	
16:20, ...	ACS demo and technical discussions	

Each presentation includes time for discussion and questions. 10 minutes for a 30m presentation, 5 min for a 15m/20m presentation.

Who

This is the actual list of participants to the Workshop.

name	organisation	project	notes
AlConrad	Keck Observatory		Videocon from Keck. Link to info on Hawaii side
AndreaOrlati	INAF-IRA	Sardinia Radio Telescope	
BillSahr	NRAO	EVLA	EVLA Monitor & Control
BrianGlendenning	NRAO	ALMA	ALMA SW responsible
CarloMigoni	CNR-IRA	Sardinia Radio Telescope	
DirkMuders	MPIFR	APEX & ALMA	Responsible for the APEX software developments. Responsible for the ALMA Pipeline Heuristics development.
FrancoCarbognani	EGO	VIRGO	EGO Application Software Manager remaining 1 day after for discussions
GianlucaChiozzi	ESO	ALMA	Responsible for ACS development
GianniRaffi	ESO	ALMA	Europe ALMA SW responsible
GustaafVanMoorsel	NRAO	EVLA	EVLA Computing
IgorKriznar	CSL	ALMA	Responsible for ACS at ANKA
IgorVerstovsek	CSL	ALMA	
KlemenZagar	CSL	ALMA	ACS developer
KristerWirenstrand	ESO	VLT/VLTI	Head ESO Technical Software Department
MarcoLonza	Elettra Trieste		
MarkPlesko	CSL	ALMA	ACS developer
MartinPaegert	AIRUB	HPT	remaining also Wed. morning
MatejSekoranj	CSL	ALMA	ACS developer
MauroPucillo	INAF-AOTs		ACS development, ACS user
PabloDeVicente	OAN	40m	Responsible for the 40m control system development
PhilippeThirionet	Ion Beam Applications (IBA), Belgium	Protontherapy Control System	System Architect
RolandLemke	AIRUB	HPT	Responsible for HPT hardware/software development remaining also Wed. morning
RubenBolano	OAN	40m	40m control system development
SteveWampler	NSO	ATST	Responsible (with Bret Goodrich) for ATST software devel.
ThomasJuerges	AIRUB	HPT	remaining also Wed. morning
TomMorgan	NRAO	EVLA	EVLA Correlator Backend
UdoKrause	GSI		
WalterBrunswig	IRAM	30mRT NCS	Sw Dev of IRAM 30m Control System
WilliamCotton	NRAO		
WolfgangMexner	Forschungszentrum Karlsruhe	ANKA	
YvesClaerboudt	Ion Beam Applications (IBA), Belgium	Protontherapy Control System	System Project Manager

To send an email to participants and interested people: [Email Workshop List](#)

How to participate to this discussion

Notes about the workshop, comments and suggestions can be added to the following topic: [AcsWorkshopDiscussions](#)

Logistic

- For hotel and trip information look [here](#)

