

RO Software Support

Status 2016 and planning 2017
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December 2016

Deliverables 2016: Status end of 2016



>What are they doing there at SwS?

Status	Projects & Planned activities	Originator	Estimate	T	Todo
Delivered	Polfar stations & LTA Poznan		1		0
Delivered	CEP4 + Resource Assignment 1.0		12		0
Commissioning (Sc	LBA Sparse mode		0.5		0
Delivered	User ingest for EOR (Dragnet later)		0.5	1	0
Delivered	Staging services API		2		0
Delivered	LCU Replacement + upgrade plan		6		1
Delivered	Northstar debugging		0		0
Delayed	Finish Resource Assignment & phasing out CEP2 (RA 2.1)	Adriaan	7.5		5.5
Delivered, continu	Apertif	Erwin de E	8		0
Commissioning (Le	Survey Tier I ingest. (SIP)	Marco Iacc	0.75		0.2
Delivered	Knowlegde Transfer Portal/Astrowise		1.5		0
Other Solution	Generic Pipeline Pilot	Tammo Ja	0.5		0
Delayed	Responsive telescope: Triggered Reaction		2.5		2.5
Delayed	Responsive telescope: TBB	Sander/Jo	4		4
Delayed	General User Ingest	Marco Iacc	3		3
Removed	Idle station support (AARTFAAC/TBB)		0.5		0.5
Delivered, continu	ALTA	Gert Kruitl	4		0
In progress	Upgrade TelCTL Westerbork	Pieter	1	2	1

Deliverables 2016: Status December 2016

Biggest tasks:

- Support WSRT and LOFAR; keep them running (systems and software)
- New techniques and frameworks linked to CEP4 (Docker, SLURM, Qpid,..... counting total of 11)

Not planned but delivered due to prioritization:

- Improved Ingest (robustness, performance and user ingest)
- Improved station test
- Upgraded WinCC (usability)
- LTA storage overview (prototype)

Planning 2017



> What *can* I expect the next year?

Prio	Status	Projects & Planned activities	Originator	Estimate	To	Todo
1	In progress	RA & Responsive telescope: Triggered Reaction	LUC	6		6
2	In progress	ADDER + inspection plots 2.0	RO, all groups	1	1.5	1.5
3	In progress	Process improvements	Arno, LUC			
4		Responsive telescope: TBB	LUC/Sander	4		4
5		Verify LTA metadata + monitoring tooling	Science support	0.5		0.5
6	In progress	ALTA	Gert			
7	In progress	ALTA knowledge transfer	RO	4		4
8		General User Ingest	Marco Iacono	3		3
9		Asterics	Arpad	8		8
10		Support GSM database	ScS	?		
11		ASTRON QPID library	SwS	2		2
12		MoM technology upgrade: Phase 1	SwS, LUC	24	30	24
13		Ireland station longer baseline: Make adjustments to Cobalt	ILT	1		1
14		Improved maintenance support (ao Navigator)	Operators			
15		Apertif knowledge buildup	Science group	8		8
16		Integration Station test and calibration in LOFAR Software	O&M			
17		Security, Roles and groups (+User management?)	SwS	2	4	3
18		Move to GIT	SwS	1.5		1.5
19		First test NenuFar + ILT mode	Rene	2		2
Extra Scenario		LMM/Cobalt 2		60		60
Blocked		Holography	ScS, O&M			
		Specifying and automating ingest and cleanup	Science Support	1.5	4	3
Extra Scenario		Pipeline framework	LUC	54		54
Extra Scenario		Pipeline processing at the LTA	Science community			
Extra Scenario		Improve or replace Astrowise	Science community			

Planning 2017: Goals and rough timeline



Main year goals

1. Keep LOFAR running
2. Improved processes and tools within the whole RO
3. Responsive telescope
4. MoM upgrade
5. Apertif in production (depending on delivery decision R&D)