



Minutes of the Third Bi-annual Project Meeting, Helsinki – 3-4 November 2015

Attendees:

Richard Harrison (Project Coordinator; WP1 Lead)	[STFC]
Jackie Davies (Scientific Manager; WP2 Lead)	[STFC]
David Barnes	[STFC]
Andy Devos	[ROB]
Jonathan Eastwood (WP7 Lead)	[IMPERIAL]
Alexey Isavnin	[UH]
Emilia Kilpua	[UH]
Vratislav Krupar	[IMPERIAL]
Sabri Mekaoui (EC Project Officer)	[EC]
Christian Moestl (WP4 Lead; attended part by Skype)	[UNIGRAZ]
Niklas Mrotzek	[UGOE]
Chris Perry (WP8 Lead)	[STFC]
Adam Pluta	[UGOE]
Illya Plotnikov	[UPS]
Alexis Rouillard	[UPS]
Luciano Rodriguez	[ROB]
Brigitte Schmieder (Reviewer)	[Meudon]

Apologies:

Volker Bothmer	[UGOE]
Jason Byrne	[STFC]
Peter Gallagher	[TCD]

Agenda:



Tuesday 3 rd November 2015	
Initial comments	
Welcome and introduction	E. Kilpua
Aims of the meeting	R. Harrison, J. Davies
WP1: Management	
Report on status of HELCATS project at 18 months and WP1 status	R. Harrison (WP1 lead)
WP2: Producing a definitive catalogue of CMEs imaged by STEREO/HI	
Overview	J. Davies (WP2 lead)

Manual CME identification catalogue	J. Byrne, D. Barnes
Automatic CME identification catalogue	L. Rodriguez
Comparison of CME catalogues	N. Mrotzek
WP3: Deriving/cataloguing the kinetic properties of STEREO/HI CMEs based on geometrical and forward modelling	
Overview	V. Bothmer (WP3 lead)
Geometrical modelling	D. Barnes, J. Byrne
Forward modelling and CME kinematics	A. Pluta
WP4: Verifying the kinematic properties of STEREO/HI CMEs against in-situ CME observations and coronal sources	
Overview	C. Möstl (WP4 lead)
In-situ comparison	E. Kilpua
WP5: Producing a definitive catalogue of CIRs imaged by STEREO/HI that includes verified model-derived kinematic properties	
Overview	A. Rouillard (WP5 lead)
Update on the CIR catalogue	I. Plotnikov
WP6: Initialising advanced numerical models based on the kinetic properties of STEREO/HI CMEs and CIRs	
Overview	A. Rouillard (WP6 lead)
WP7: assessing the complementary nature of radio measurements of solar wind transients	
Overview	J. Eastwood (WP7 lead)
WP8: dissemination	
Overview	C. Perry (WP8 lead)
STFC	C. Perry
UPS/CNRS	A. Rouillard
End of session	
Wednesday 4th November 2015	
Mop-up session	
Review of actions from previous meetings	R. Harrison, J. Davies
Summary of new actions from current meeting	R. Harrison, J. Davies
Open discussion on technical issues	R. Harrison
Overview of next six months of the project	R. Harrison
Comments from EU Project Officer and Reviewer, if required	S. Makaoui, B. Schmieder
Arrangements for next meeting and Any Other Business	R. Harrison
End of session	

1. Notes

After a welcome from Emilia Kilupa, as our host in Helsinki, an outline of the project status and the aims of the meeting were given by Richard Harrison. Following this, the bulk of the meeting was made up of individual reports from the work packages. The presentations are being made available on the HELCATS website and much of the material is included in the 18 Month Report.

The meeting was attended in person by representatives from STFC, ROB, IMPERIAL, UH, UGOE and UPS, as well as Sabri Mekaoui, the EC project Officer, and Brigitte Schmieder, the Reviewer. Christian Möstl attended part of the meeting by Skype, but was unable to attend in person. The only group not represented was TCD.

The material that is covered in the report or/and the presentations on the HELCATS website is not reproduced here. However, as the presentations were made, a number of technical or logistical issues were identified for discussion on the second day of the meeting. That discussion is the subject of the next section.

In addition, throughout the meeting, as actions were raised, they were included in the HELCATS action list, which is also reproduced below.

2. Discussion

Actions from previous meetings were reviewed and updated (see below). The following specific discussion items were raised on the 2nd day:

2.1 Publication Strategy

RAH raised the issue of HELCATS publications, differentiating between ‘key HELCATS papers’ and ‘HELCATS-related’ research papers. The former are the key papers that report on the major elements of HELCATS. The latter are smaller, research style papers associated with the HELCATS work. It was agreed that the key papers need to be mapped out and that their authorships must reflect the HELCATS collaboration. The team was asked to list the key papers (action on WP leads). Examples include, those listed in the table, but this is not complete at this time:

WP	Working Title	Lead	Status
2	Basic heliospheric CME (HI) benchmark stats paper	STFC	Draft form
3	HI kinematic heliospheric CME benchmark stats paper	STFC	Early draft
2	Study of automated heliospheric CME identification	ROB	Report
4	Study of predicted HI CME arrivals with in-situ events	UNIGRAZ	
5	CIR catalogue paper	UPS	
2	Manual and automatic catalogue comparison	ROB	
1	HELCATS Overview paper	STFC	

HELCATS-associated papers were felt to be of less concern and groups should feel happy to encourage such papers, but they should all be discussed by the SC.

2.2 18-month report

The process for 18 month reporting, which is a formal report to the EU, was discussed and the EC website examined to discuss the procedure with Sabri.

The activity is in two parts, the progress report (which is already drafted) and the financial

report. Relevant actions were set up. The coordination at STFC will be led by Jane Porter.

2.3 Post HELCATS (H2020)

The release of the Horizon 2020 call for 2016/2017 was noted in the context of what follows the HELCATS project. The 2016 element (COMPET) includes a space instrumentation section. The 2017 element (also, COMPET) includes a space data exploitation and a space weather element. We must assess our response to this. The workplan will be distributed and discussed at upcoming SC telecons.

2.4 2nd Annual Workshop/Bi-Annual Project Meeting

These meetings were planned for May 2016 in Toulouse. It was suggested that they could instead be held in association with the SCOSTEP meeting in Bulgaria, which is being held at about the same time. This would expose more people to HELCATS. Alexis was asked to assess the options.

2.5 Coronagraph listings

There were several elements to a discussion on coronagraph listings as part of the HELCATS project. First, there was concern from the Reviewer that the COR2 listings from UGOE were only dated up to 2011. This is the list used for GCS modelling and the plan was to use this to compare to HI observations; there was no provision to update the COR2/GCS catalogue to 2014, and the DoW states that the work should cover the period to the end of 2011. However, such an extension was suggested by the Reviewer. We must assess the feasibility of this. Second, the comparisons led to discussion about whether or not we see the same number of CMEs in HI as in COR or LASCO. This will be clarified in the statistical studies from WP2.

2.6 Visibility of Results

There was concern that whilst we are extremely busy with the cataloguing work, we are not really able to advertise the progress to the wider community (especially non-heliophysics) with press releases, events, galleries etc, etc... This was discussed and some plans put in place to increase visibility of the project. See actions.

3. AOB

None.

The new action list:

No.	Action	Actionee	Completion date
83	Remaining Helsinki presentations to be sent to Richard	All Helsinki speakers	15 November 2015
84	Write brief report on deliverable D3.1 'Time-elongation map' delivery and send to Richard to uplink to ECAS website	STFC	15 November 2015

85	Write report on D5.1 (Establish online CIR catalogue) and send to Richard to uplink	Alexis	15 November 2015
86	CIR catalogue online/link to HELCATS website	Alexis/Chris P	15 November 2015
87	Send 18 month report to SC and key people	Richard	10 November 2015
88	Update/confirm relevant section of the 18 month report	WP leads	15 November 2015
89	Coordinate financial reporting activity	STFC (Jane)	1 December 2015
90	Deliver individual beneficiary inputs to financial report	All Beneficiary leads	1 December 2015
91	Install procedures to collect data on website hits/use, downloads	Chris P.	1 December 2015
92	Provide material for HELCATS gallery (including captions); deliver to Chris P.	All WP leads	1 December 2015
93	Install event pages (i.e. page of images, plots per catalogued event)	STFC (David?)	1 December 2015
94	Construct press release to coincide with release of first stats papers	STFC	1 December 2015
95	Link UPS propagation tool to HELCATS website	Chris P/Alexis	1 December 2015
96	Richard to touch base with Peter Gallagher to assess progress at TCD (no report at Helsinki meeting)	Richard	1 December 2015
97	WP leads to define key HELCATS papers for their WP (to Richard)	All WP leads	1 December 2015
98	SC to discuss authorships of papers as they appear (Policy: Key papers must reflect the HELCATS collaboration)	SC	On-going
99	Send H2020 space call document to all SC members	Richard	1 December 2015
100	Discuss H2020 call at SC telecons	SC	On-going
101	Assess possibilities for 2 nd Annual Open Workshop and Bi-Annual Project meeting in Bulgaria (not Toulouse). Report to SC.	Alexis	1 December 2015
102	Explore options for extending UGOE COR2 catalogue beyond 2011.	Volker/Jackie	1 December 2015
103	Consider meeting of EU FP7/H2020 SW-related projects (at EU COV building?) both to cement links and advertise work to EU.	Richard/Sabri	1 December 2015

Previous Actions that remain open

No.	Action	Actionee	Completion date
81	Open Access fee – RAL to check how to handle and let J Eastwood know.	Richard & Jackie	31 October 2015
76	All to inform Chris Perry when they have something to go on the website.	All	10 July 2015 Open ended
68	Draft definitive statement or standardization, format, naming, coordinate systems, metadata, version control, QA etc for the project. Submit to the SC for endorsement.	Chris Perry	31 st July 2015 Ongoing

