



# FP7 HELCATS

Heliospheric Cataloguing,  
Analysis and Techniques Service

First Bi-annual HELCATS Project Meeting  
Brussels  
5-6 November 2014



# FP7 HELCATS

## Heliospheric Cataloguing, Analysis and Techniques Service

### Aims of Meeting

- Six-monthly Steering Committee meeting to assess state of the project
- To identify and discuss specific items that need SC attention (Technical Review)
- To prepare for the six monthly report to the EU



# FP7 HELCATS

## Heliospheric Cataloguing, Analysis and Techniques Service

### Attendees

- Volker Bothmer (UGOE) is unable to attend but will be represented by Adam Pluta, Laura Volpes, Nicolas Mrotzek
- Alexis Rouillard (UPS) is not able to attend but is being represented by Illya Plotnikov
- Emilia Kilpua (UH) is not able to attend but is being represented by Alexey Isavnin
- Mario Bisi (STFC) is not able to attend but his work will be covered by Jonathan Eastwood.
- Christian Möstl (UNIGRAZ) is not able to attend but is being represented by Peter Boakes

- RAL – Richard Harrison, Jackie Davies, Chris Perry, Jason Byrne, David Barnes
- ROB – Luciano Rodriguez, David Berghmans, Veronique Delouille, Marilena Mierla, Jasmina Magdalenic, Andy Devos
- Göttingen - Adam Pluta, Laura Volpes, Nicolas Mrotzek
- Toulouse - Illya Plotnikov
- Helsinki - Alexey Isavnin
- Graz – Peter Boakes
- Imperial - Jonathan Eastwood
- Trinity College – Peter Gallagher, Pietro Zucca, Eoin Carley
- EU/REA – Sabri Mekaoui



# FP7 HELCATS

## Heliospheric Cataloguing, Analysis and Techniques Service

### Agenda

#### NOVEMBER 5

Morning – arrivals and opportunity for WP splinters or one-to-one discussions

12:30 - LUNCH

13:30 – Welcome and introduction - Luciano

13:45 – HELCATS general status/update (including WP1) – Richard

14:00 – EU Perspective – Sabri

#### WP STATUS

14:15 – WP2 Update (overview and manual CME identification)- Jackie

14:30 – WP2 Update (automatic CME identification) – Luciano

14:45 – WP3 Update (overview and forward modelling) – Adam

15:00 – WP3 Update (geometrical modelling) – Jackie

15:15 – WP3 Update (inverse modelling) – Peter

15:30 – Coffee



# FP7 HELCATS

## Heliospheric Cataloguing, Analysis and Techniques Service

### Agenda

#### NOVEMBER 5

16:00 – WP4 Update (overview) – Peter

16:10 – WP4 Update (coronal comparison) – Laura

16:30 – WP4 Update (in-situ comparison) – Alexey

16:45 – WP5 Update (overview) – Illya

17:00 – WP6 Update (overview) – Illya

17:15 – WP7 Update (overview, type II plus IPS) – Jonathan

17:30 - End of day



# FP7 HELCATS

## Heliospheric Cataloguing, Analysis and Techniques Service

### Agenda

#### NOVEMBER 6

09:00 – WP8 Update (overview and dissemination) – Chris

09:15 – WP8 Update (IRAP tools/AMDA) – Adam

09:30 – Summary/discussion of actions, technical issues from previous day –  
Richard/Jackie

09:45 – Actions for the production of the six monthly report - Richard

10:30 – Coffee

#### TECHNICAL DISCUSSION

11:00 – Open discussion on Standardisation, format and content of catalogues – Chaired  
by Chris

12:30 – End of meeting



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## WP 1 Update - Management

- Launch of HELCATS Website (deliverable D1.1)
- Kick-off meeting (May 2014) (Minutes: deliverable D1.2)
- Monthly telecons (Steering Committee)
- Submission of three-monthly report
- First Bi-annual project meeting (now)





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Heliospheric Cataloguing,  
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WP 1 Update - Management

- Actions (from Kick-off meeting/telecons)



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## Heliospheric Cataloguing, Analysis and Techniques Service

### WP 1 Update - Management

- Upcoming deliverables:
  - Six monthly progress report (Deliverable D1.3)
  - Cost statements and annual progress report to the EU (after 1 year) (Deliverable D1.4)
- Upcoming events:
  - May 2015 – Bi-annual project meeting/technical review plus *Annual Open Workshop*
    - 19 - Tuesday HELCATS annual meeting/time for associated splinters
    - 20 - Workshop day 1
    - 21 - Workshop day 2 incl. 1 session on heliospheric turbulence
    - 22 - wrap up at lunch



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## Heliospheric Cataloguing, Analysis and Techniques Service

### Future Meeting Schedule/Locations

- |               |   |
|---------------|---|
| 12 (May 2015) | Bi-annual project meeting/ workshop, plus technical review –<br>plus annual open workshop<br>UGOE     |
| 18 (Oct 2015) | Bi-annual project meeting/ workshop, plus technical review<br>UH                                      |
| 24 (May 2016) | Bi-annual project meeting/ workshop, plus technical review –<br>plus annual open workshop<br>UPS      |
| 30 (Oct 2016) | Bi-annual project meeting/ workshop, plus technical review<br>TCD                                     |
| 36 (May 2017) | Bi-annual project meeting/ workshop, plus technical review –<br>plus annual open workshop<br>IMPERIAL |



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## Heliospheric Cataloguing, Analysis and Techniques Service

### Actions

Issues/actions outside the stated plans of the WPs:

Talks to us please!

Associations and sources... correlations.

JAQ to put HI CME list on Wiki – for consideration of backprojections/associations discussion. Peter G, Christian M, Volker B. Draft a plan for all to consider.



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## Heliospheric Cataloguing, Analysis and Techniques Service

### Actions

Issues/actions outside the stated plans of the WPs:

Guidance/rules – how set up/decide/standard?

Peter Gallagher – Selection of events with associations, to discuss at the Annual Open Meeting – i.e. discussion on associations, source regions as a major part of the May meeting. Peter to suggest plan for this. Don't have to answer the questions – but be able to say how could address them.

Peter Boakes – Same for in-situ, and imaged CMEs in the heliosphere?



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## Heliospheric Cataloguing, Analysis and Techniques Service

### Actions

Technical issues raised – part of the standardisation discussion.

Open meeting – ideas – announcement this month.

Review of associations and sources???

Review the WPs to the community?????

Forecasting – advances after HELCATS? HI – what next? WP talks for HELCATS? Debates?

(Key speakers outside HELCATS group – Craig DeF, Mark Gibbs/SWPC/ROB? Dusan, Noe...

Other topics?

Action: Volker – coordinate press release for Annual Open Meeting. JAQ and RAH draft an announcement/plan and clear with Volker.

Sixth month report... formally request WP leaders to draft sections.



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## Heliospheric Cataloguing, Analysis and Techniques Service

### Standards etc...

Agreements on design, formats, naming, coordinate systems, metadata, version control, QA.

When new versions appear – document changes.

Eoin – comment on software availability. Where are the codes?

Early versions of catalogues on Wiki.

Errors? Confidence in the fit/realistic values. How tackle this?

Peter Gallagher – suggested links to the data from the catalogues – or using the catalogue to enable access to the data.

How agree? Consider existing catalogues?

