

# Users' feedback in Data Processing

## Status report for HUG#5 meeting

Bruno Merín, on behalf of the Data Processing Users' Group

- Updates on Data Processing Interest/Working Lists
  - Membership in lists stable and very little traffic
  - Currently on-going DP Telecons and HIPE community page
  - Future workshops/tiger teams planned for fall 2012 led by instrument specialists.
- Feedback on DP from Key Program PI's at wrap-up telecons
  - So far 17 telecons held.
  - In general very good appraisal for HIPE and products.
- Improvements on user feedback and DP development

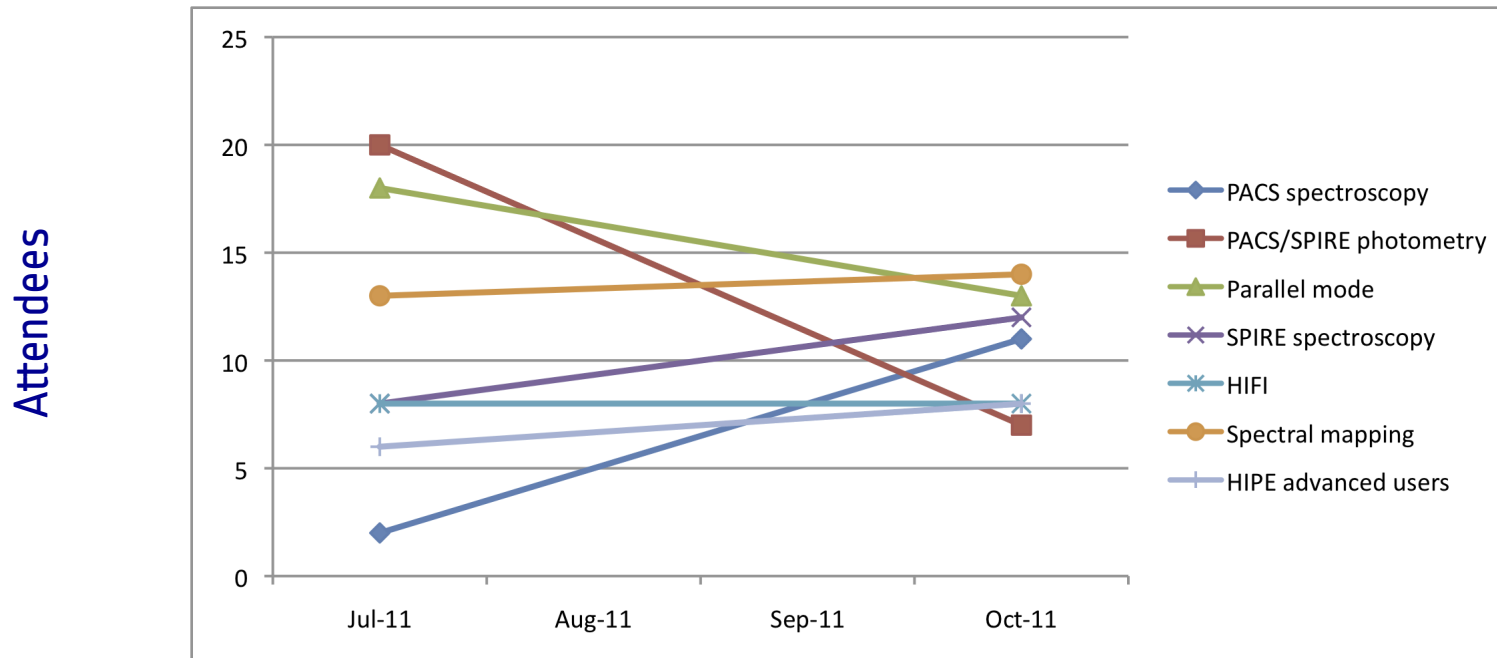
# DATA PROCESSING INTEREST LISTS



Group	# Members by HUG3 -> 4 -> 5	Chair
PACS photometry	57 -> 77 -> 79	P. Riviere (CAB, ES)
PACS spectroscopy	57 -> 65 -> 66	R. Oonk (U. Leiden, NL)
SPIRE photometry	42 -> 50 -> 53	J. M. Castro Cerón (HSC)
SPIRE spectroscopy	29 -> 36 -> 37	Vacant
HIFI	37 -> 42 -> 42	S. Bottinelli (IRAP, FR)
Large maps and source extraction	42 -> 55 -> 57	V. Könyves (Saclay, FR)
Spectral mapping	36 -> 46 -> 46	Vacant
HIPE	38 -> 40 -> 39	M. Groenewegen (OB, BE)
HIPE contributors	34 -> 34 -> 33	C. Martin (Oberlin, USA)

Membership stalled and starting to decrease.

- Since HUG#3, two series of topical DP telecons have been organized (July and October 2011) with a healthy attendance.



- Everyone seems to find them useful and there are interesting discussions. Minutes are on-line at the [HIPE community page](#). European Space Agency

## Current status:

- So far, very little activity in the lists.
- Membership stalled because there was no run of DP telecons between HUG#4 and 5 yet.
- NHSC run DP webinars during the summer with good attendance.
- Some chairs give good feedback to the DPUG on user-related discussions.

## Future

- A round of new HSC DP webinars has been planned in the fall of 2012 led by instrument specialists. Schedule on the HIPE community page and announcements through the lists.

# A NEW HIPE USER COMMUNITY PORTAL



- To host the DP telecon minutes and enable easy collaboration, we have created the HIPE community user portal:

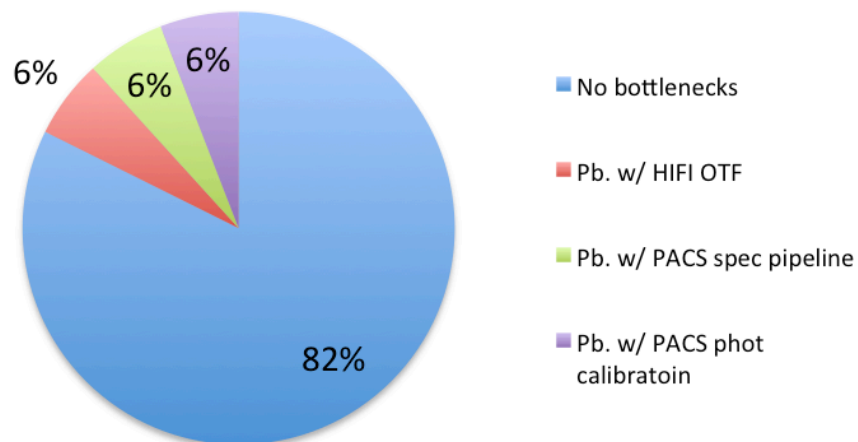
**<http://hipecommunity.wikispaces.com>**

The screenshot shows a web browser window displaying the HIPE community wiki homepage. The browser's address bar shows the URL [hipecommunity.wikispaces.com](http://hipecommunity.wikispaces.com). The page has a blue header with the "HIPE COMMUNITY" logo. On the left, there is a sidebar with navigation links: Wiki Home, Recent Changes, Pages and Files, Members, and Manage Wiki, along with a search bar. The main content area is titled "home" and includes a welcome message, a description of the wiki's purpose, and sections for "HSC Data Reduction Webinars", "Upcoming telecons (fall of 2012)", and "Past telecons". The "Upcoming telecons" section lists several events with dates and times, such as "What's new in HIPE 9.0/9.1 (new spec/cube toolbox, new plugins, VO)" on 4 October 2012. The "Past telecons" section lists previous events, such as "SPIRE/PACS parallel mode data reduction #2" on 10 October 2011. A "Table of Contents" sidebar on the right provides links to various pages, including "Welcome to the HIPE community wiki", "HSC Data Reduction Webinars", "Upcoming telecons (fall of 2012)", "Past telecons", "NHSC Data Reduction Webinars", "Documentation sprints", and "Other resources".

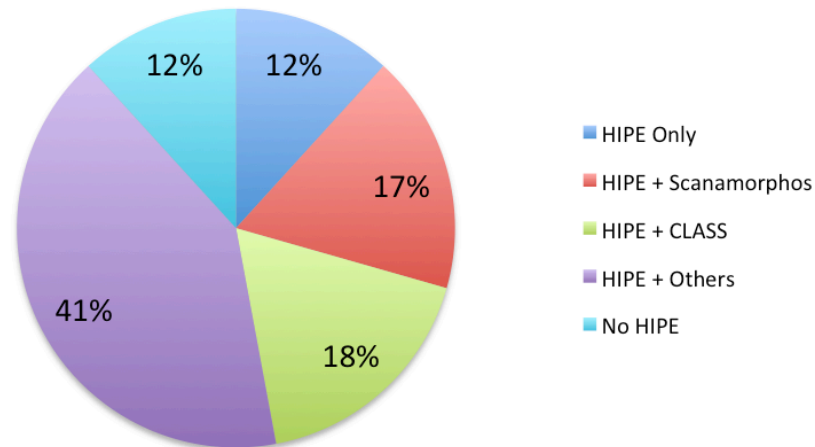
## 17 telecons held:

KP_propid	KP Participants		Used to process	DP Status
KPGT_seales01_1	S.Eales+M.Smith(+M.Griffin)	SPIRE phot	HIPE	No bottlenecks
KPOT_delbaz_1	D.Elbaz+M.Dickinson	PACS phot	HIPE	No bottlenecks
KPOT_mmeixner_1	M.Meixner	PACS phot, SPIRE phot	TAMASIS for PACS, HIPE	No bottlenecks
KPGT_dlutz_1	D.Lutz	PACS phot	HIPE and Starfinder	No bottlenecks
KPOT_ceiroa_1	C.Eiroa	PACS phot, SPIRE phot	HIPE, IDL for photometry	No bottlenecks
KPGT_soliver_1	S.Oliver(+M.Griffin)	PACS phot, SPIRE phot	HIPE for SPIRE, TAMASIS for	No bottlenecks
KPOT_wlanger_1	W.Langer+T.Velusamy	HIFI	HIPE and CLASS	Problems with OTF mapping
KPGT_cwilso01_1	Ch.Wilson	PACS spec, SPIRE spec, PACS phot	HIPE, IDL and scanamorphos	No bottlenecks
KPOT_eegami_1	E.Egami+M.Rex+T.Rawle+B.Clement	PACS phot, SPIRE phot	HIPE, and Sextractor	No bottlenecks
KPGT_okrause_1	O.Krause	PACS phot, SPIRE phot	Scanamorphos	No bottlenecks
KPOT_smolinari_1	S.Molinari	PACS phot, SPIRE phot	Unimap/ROMAGAL	No bottlenecks
KPGT_vbujarra_1	V.Bujarrabal+J.Alcolea	HIFI	HIPE and CLASS	No bottlenecks
KPGT_kmeisenh_1	K.Meisenheimer	PACS phot, SPIRE phot, PACS spec	HIPE and IDL	No bottlenecks
KPOT_nevans_1	N.Evans	PACS spec, PACS phot, SPIRE phot, HIFI	HIPE and c2dphot	Waiting for HCSS 10
KPOT_pvanderw_1	P.van der Werf	SPIRE spec	HIPE and CLASS	No bottlenecks
KPOT_rkennicu_1	R.Kennicutt+D. Calzetti	PACS phot, SPIRE phot, PACS spec	HIPE and Scanamorphos	Problems with PACS surface
KPGT_pandre_1	Ph.Andre+V.Könyves	PACS phot, SPIRE phot	HIPE and scanamorphos	No bottlenecks

## Status of DP



## Which software have you used for DP?



- The absolute majority of the KPs are using HIPE to reduce the data and have no major problems
- The most common combination is HIPE plus some other tool, only two projects use only HIPE and other two use no HIPE at all.



- Members of the DPUG have started to join the Configuration Control Board (CCB) ~weekly meetings, where the implementations of different software tickets are discussed and planned.
- The DPUG has prepared a master list of user issues for the framework and all three instruments and routinely communicates it now to the CCBs as guide for their prioritization.
- A DPUG page is being prepared and it might be added to the HSC web to allow to collect direct input via e-mail.

- All KP PI's were contacted on May 17<sup>th</sup> 2011 to request contact information of their data reduction experts.
  - Out of 42 KP, 18 responded with the profiles of each individual member related to the data reduction.
  - All these people and the PI's were invited to join the DP Interest Lists and DP Telecons and many of them attended.
- A mapmaking DP workshop is being planned for January 2013 at ESAC: <http://herschel.esac.esa.int/2013Mapmaking.shtml>
- No further interaction with these experts was articulated with the hope that the telecons should allow enough communication.

**Thank you**

*Any questions?*