

# Canada-France-Hawaii Telescope User's survey

Monday, April 18, 2016

# 103

Total Responses

Estimated pool of active users: **150 to 200**

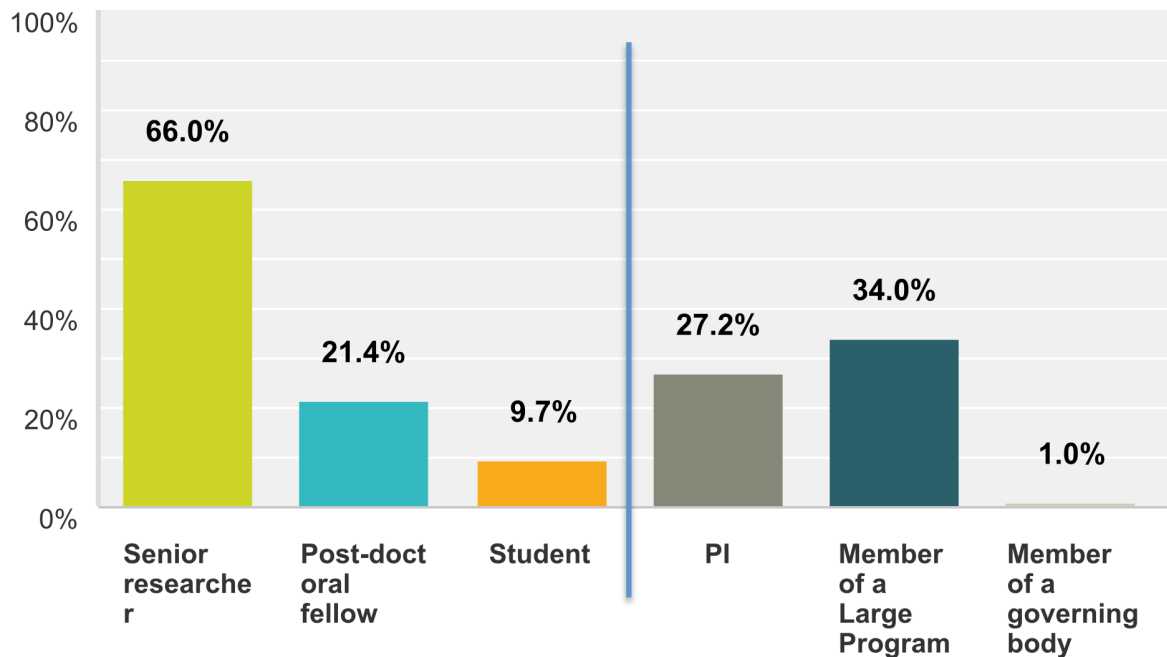
Survey was active from end Feb to mid-April, advertised several times through national email lists

Survey page is still open for you to add more comments

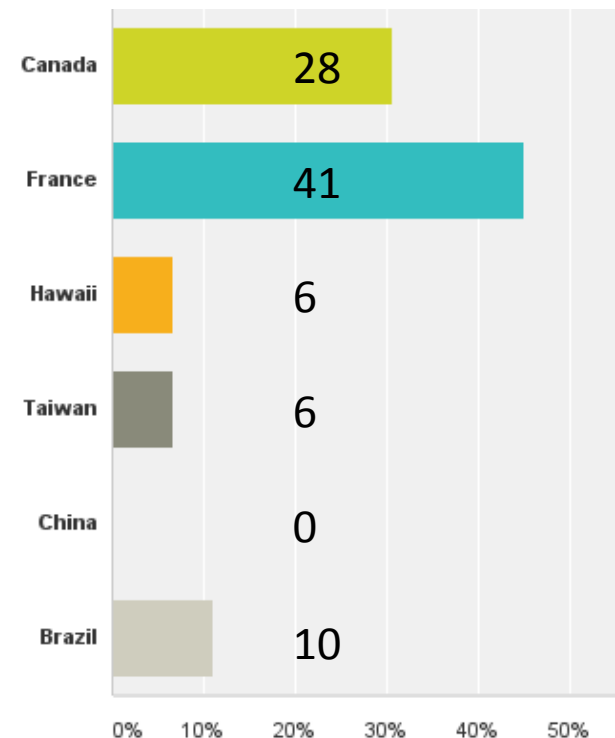
Survey design is a job... questions were not perfect

# Q1: Who are you ?

Answered: 103 Skipped: 0

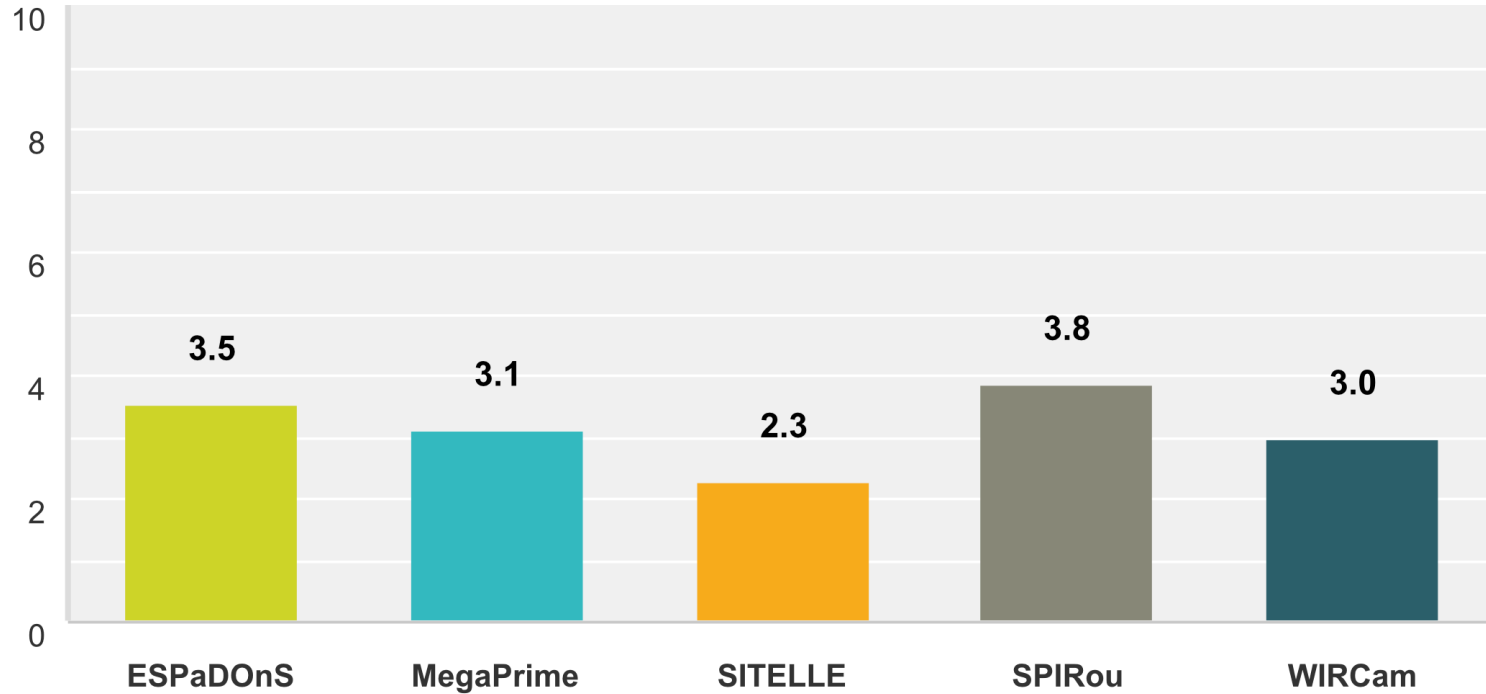


# What community are you from?



### Q3: Rank the importance of the current/upcoming instruments to your work within the next 5-10 years

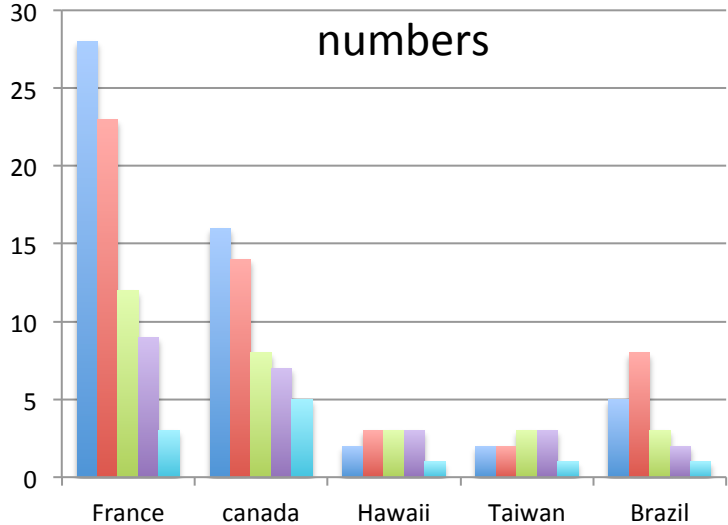
Answered: 93 Skipped: 10





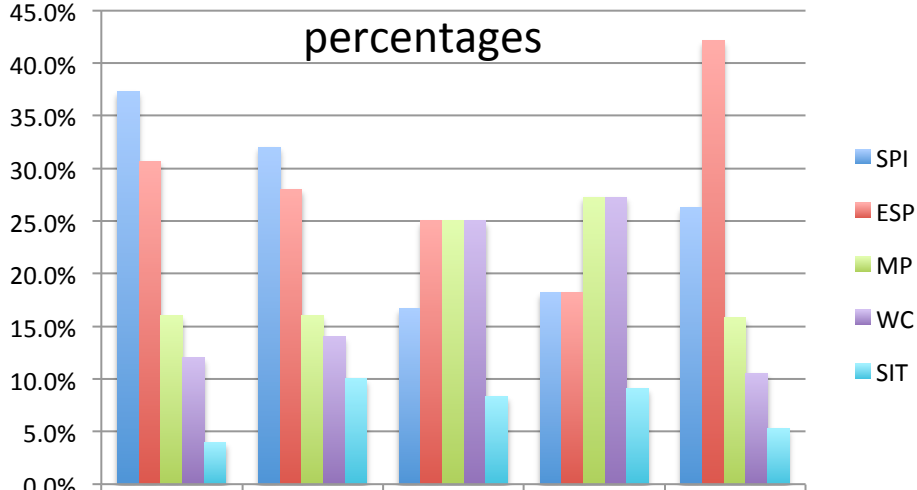
... per agency

# Rank the importance of the current/upcoming instruments to your work within the next 5-10 years



- SPI
- ESP
- MP
- WC
- SIT

SPI/ESP/MP/WC/SIT

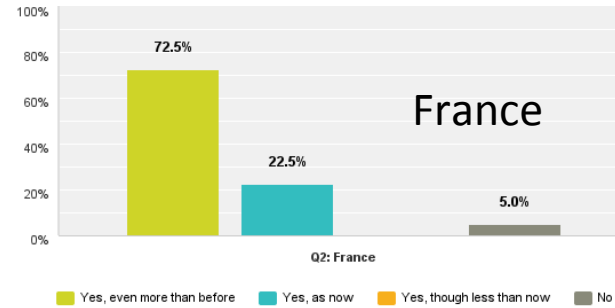
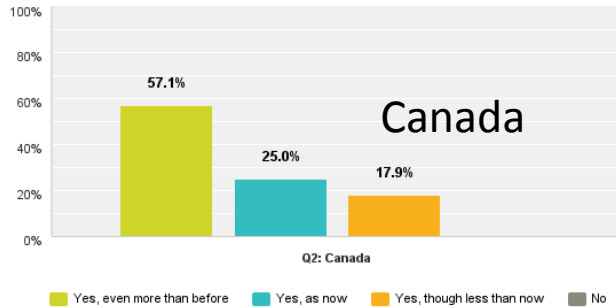


- SPI
- ESP
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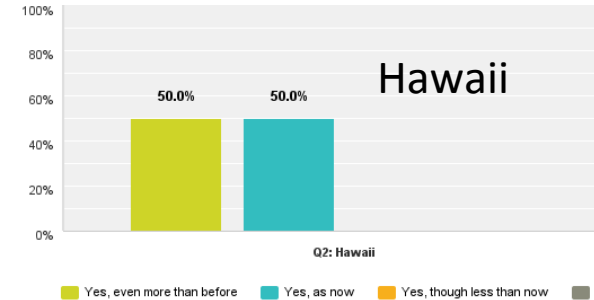
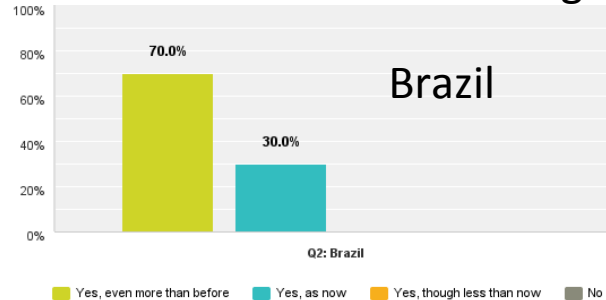
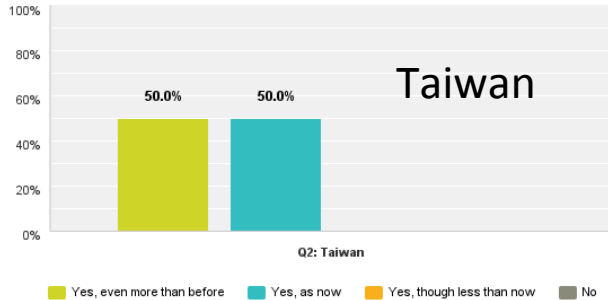
|                        |        |                   |        |                        |
|------------------------|--------|-------------------|--------|------------------------|
| France                 | Canada | Hawaii            | Taiwan | Brazil                 |
| HR spectroscopy wanted |        | WF imaging wanted |        | HR spectroscopy wanted |

# Q4: Considering the evolution of astronomical facilities worldwide, do you expect to use CFHT in the next 5 to 10 years?

Answered: 92 Skipped: 11




All communities are interested on the long term



France, Brazil and Canada will use CFHT more than now in next years

## Q6: Should an instrument be scheduled only for bright time, dark time, or both?

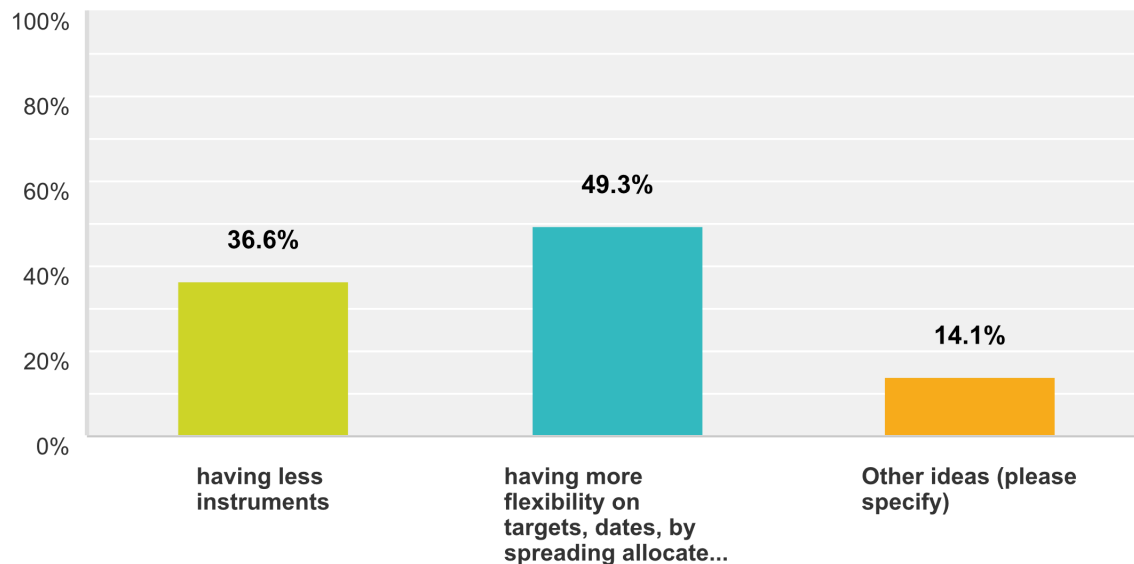
Answered: 85 Skipped: 18

|  | Dark Time |                     | Bright Time |                     | Total Respondents |
|--|-----------|---------------------|-------------|---------------------|-------------------|
| MegaPrime  | <b>2</b>  | <b>88.00%</b><br>44 | <b>5</b>    | <b>38.00%</b><br>19 | 50                |
| SITELLE  | <b>4</b>  | <b>82.05%</b><br>32 | <b>4</b>    | <b>58.97%</b><br>23 | 39                |
| ESPaDOnS   | <b>3</b>  | <b>52.24%</b><br>35 | <b>2</b>    | <b>95.52%</b><br>64 | 67                |
|  SPIRou | <b>1</b>  | <b>69.57%</b><br>48 | <b>1</b>    | <b>94.20%</b><br>65 | 69                |
| WIRCam   | <b>5</b>  | <b>34.00%</b><br>17 | <b>3</b>    | <b>92.00%</b><br>46 | 50                |

Actually, instrument schedule is decided from allocation pressure

## Q7: What do you think would help scheduling your time-constrained program?

Answered: 71 Skipped: 32

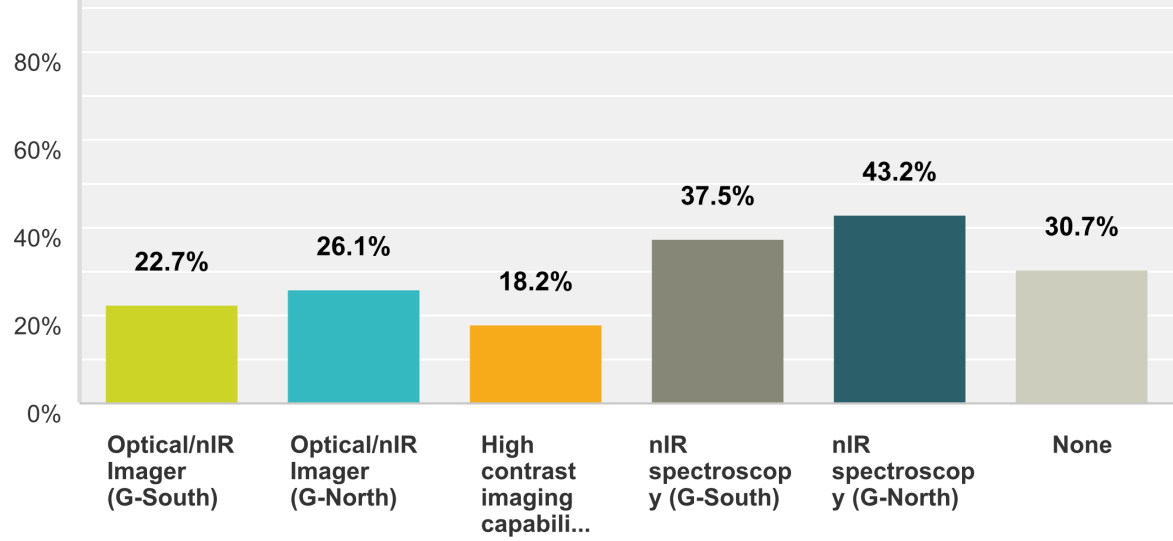


Users want more flexibility over semesters  
2<sup>nd</sup> most popular: having less instruments

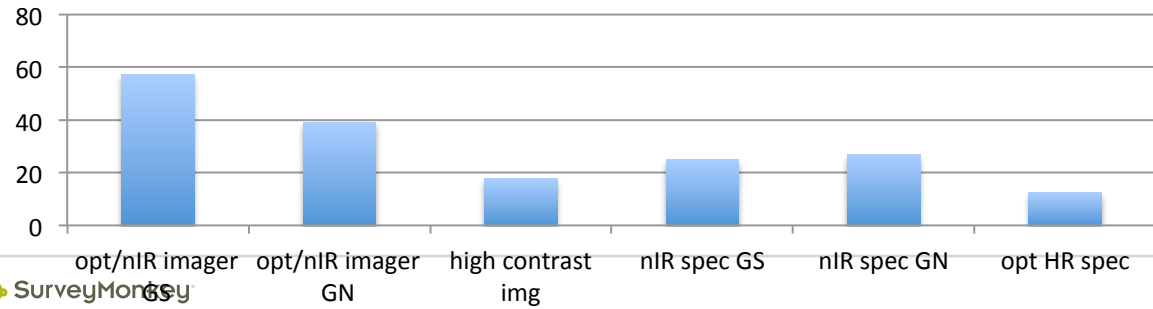
- Dedicate one semester to a reduced number of LPs/instr
- Revise instrument schedule with completion rate mid-semester
- Go to longer instrument runs
- Increase stability of MC calcs
- Easily switch from one instrument to the other (e.g. SPIRou+ESPaDO nS)

# Q8: Which Gemini capability do you wish to use?

Answered: 88 Skipped: 15



58 CFHT-community persons interested by Gemini observations



Gemini users demand

## Q9: are you in favor of the SNR mode?

Answered: 92 Skipped: 11

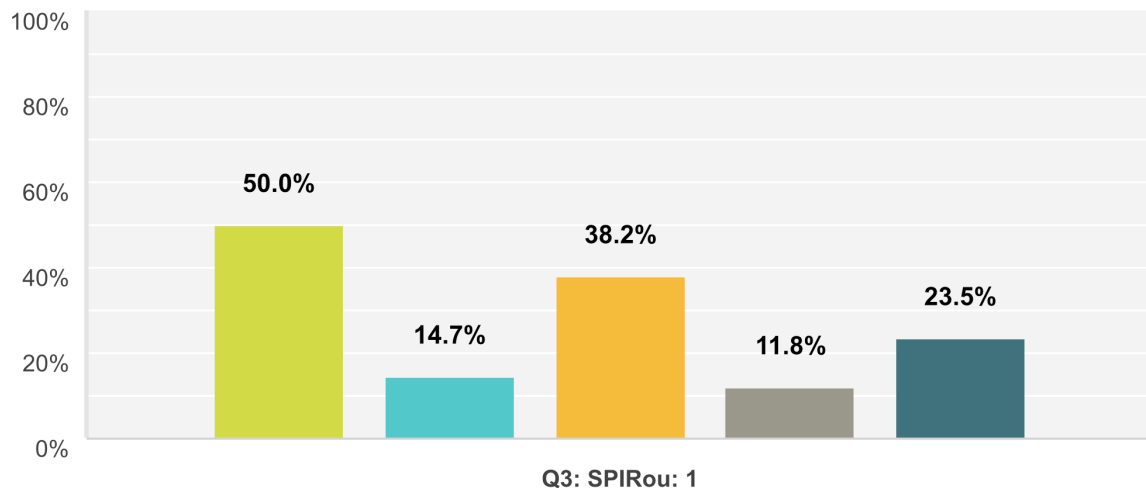
|                                      | Strongly in favor | In favor     | Neutral      | disfavor   | Strongly in disfavor | Total | Weighted Average |
|--------------------------------------|-------------------|--------------|--------------|------------|----------------------|-------|------------------|
| How do you feel about SNR observing? | 48.91%<br>45      | 35.87%<br>33 | 14.13%<br>13 | 1.09%<br>1 | 0.00%<br>0           | 92    | 1.67             |

- **YES:** mostly for HR spectroscopy
- Gains in homogeneity
- Doubts about spectropolarimetry
- Requests for more documentation
- Optional (that's what we offer)
- Adapt to moving object program with MP



## Q11: Would you wish to send students to CFHT for observing training?

Answered: 74 Skipped: 29

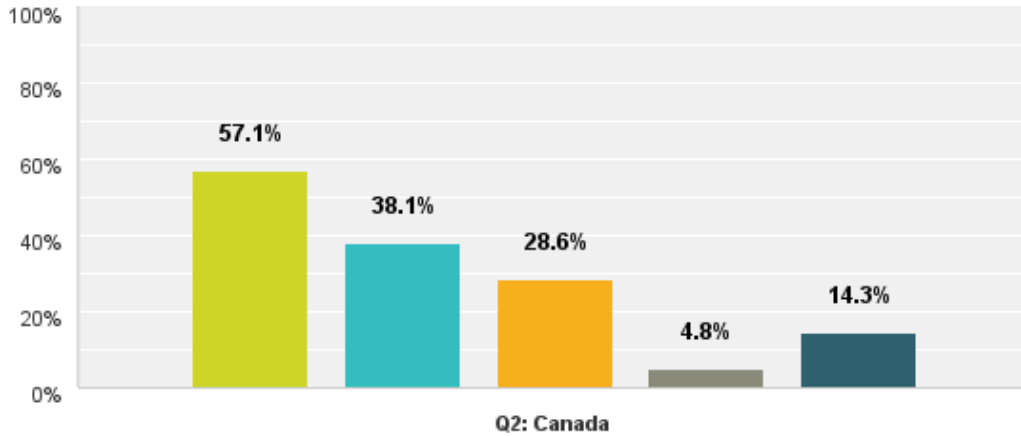


- Yes, my institution would prefer to send students regularly
- Yes, I would like to set up an observing school with students
- Yes, I would like to set up an hands-on exercise remotely from my home institute
- Yes, I am already using CFHT archive data and would like some support from CFHT to explain...
- Not interested

YES for more interactions btw students and CFHT staff

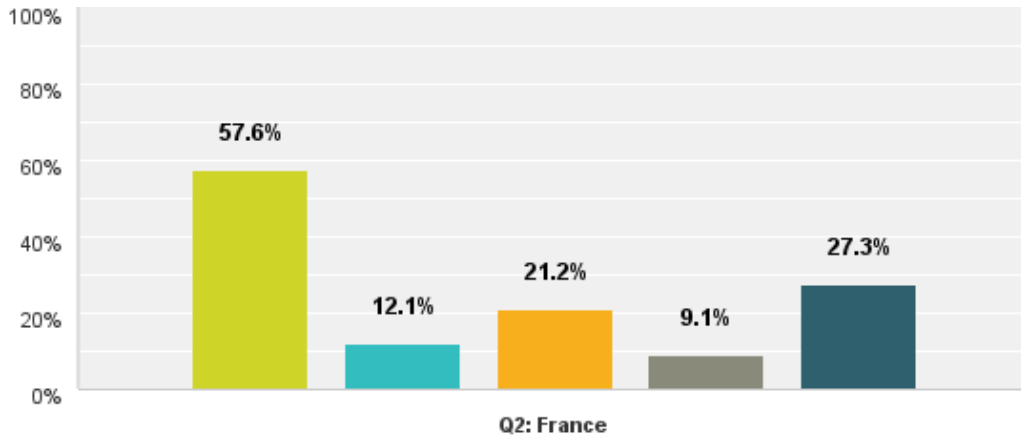
- Online tutorials
- Yearly classes open to all with (limited) support
- Hands-on remote projects?
- Ideas welcome from YOU

We need to think about resources !



C : 21 answers  
More interest to set up a school

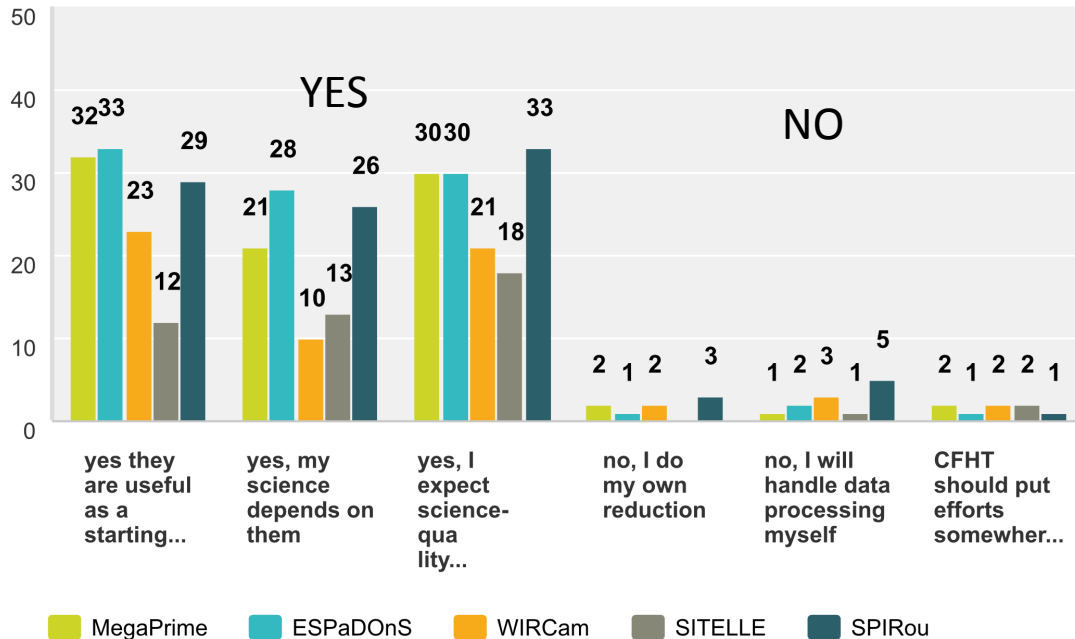
Both interested to send students



F : 33 answers  
More interest in archive work

# Q12: Pipelines. Do you think CFHT should continue providing processed data?

Answered: 89 Skipped: 14



- MegaCam+WIRCam: more useful as a starting point
- ESPaDOnS: like uniform reduction
- SITELLE: users expect science quality reduced data
- SPIRou: users expect science quality reduced data

# What additional functionality, services or modifications to current services provided by CFHT would be most useful to you?

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- A possibility to use ESP and SPI in parallel
- Updates on Ph1 and 2
- Low-resolution or multi-object spectrograph
- User-friendly installation pipeline
- Wider MegaCam field of view
- Support travel grant
- Image stacking service
- Longer ESPaDOnS and M2000 runs
- Automatic optimisation of scheduling

*We're working on some of this*

## Phase 1 and Phase 2

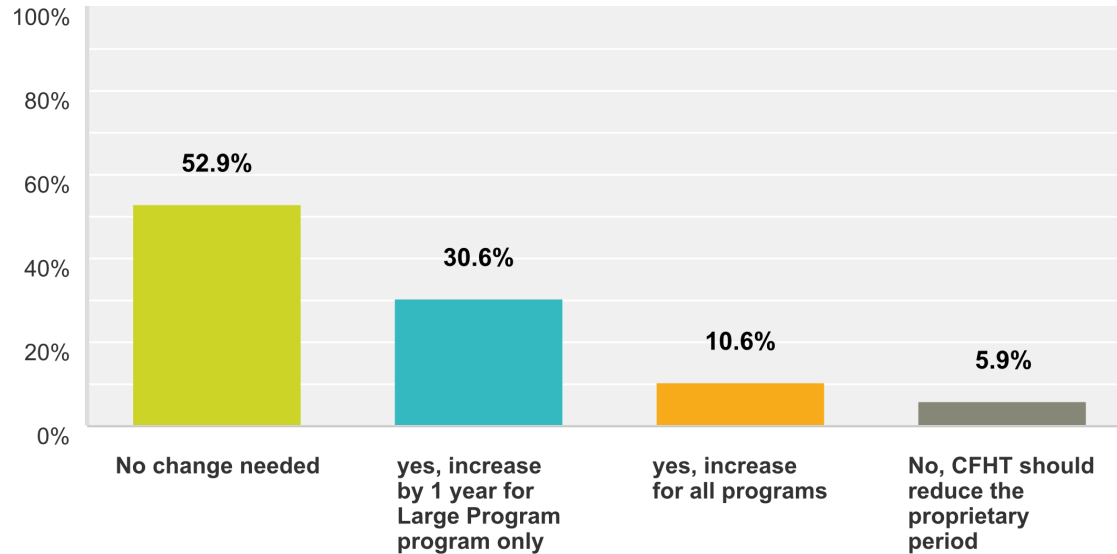
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- **Batch upload of complete information for large observations**
- Specify multiple time constraints more easily
- Loading easily large number of ephemeral observations
- Finding chart (over multi-semester)
- Graphic tool for SNR follow-up
- ETC interfaced in Phase 1 and 2
- Verification tool
- Locking options of stars
- Archive checks
- Phase 1-2 transfer

**This overlaps greatly what we're developing  
(see K. Withington's poster)**

# Q13: Data proprietary period. Should CFHT increase the proprietary period?

Answered: 85 Skipped: 18



Something to discuss for LP, PhD and RV surveys, which need longer periods

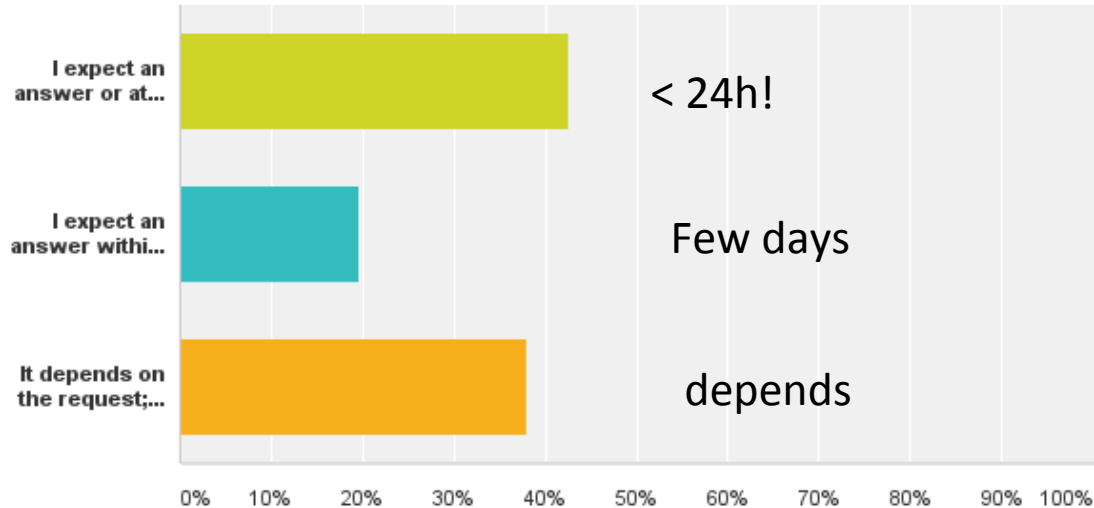
Longer periods for PhD data are easily granted

LP/surveys: case by case



# Q17: What is your expected response time when you send an email to CFHT?

Answered: 87 Skipped: 16



Please use email expander qso team for faster answers

## Students (9): mostly Canadian students have answered

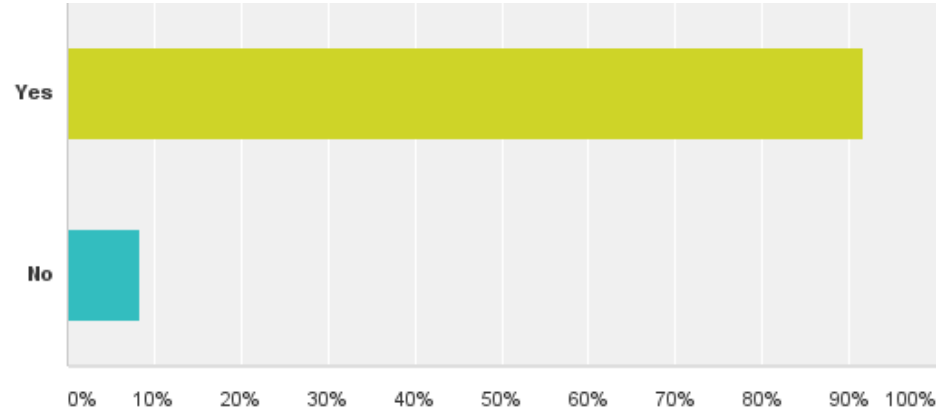
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9 answers from students

- They like the documentation, data quality, pipelines
- They want to visit CFHT (more than they want CFHT staff to visit them)
- They want to use Gemini instruments

## Q18: Do you find Queue coordinator/Remote observer comments, for each exposure, useful?

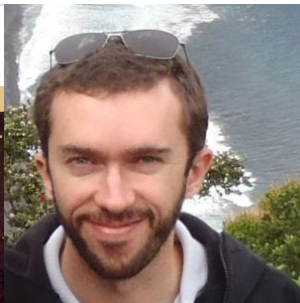
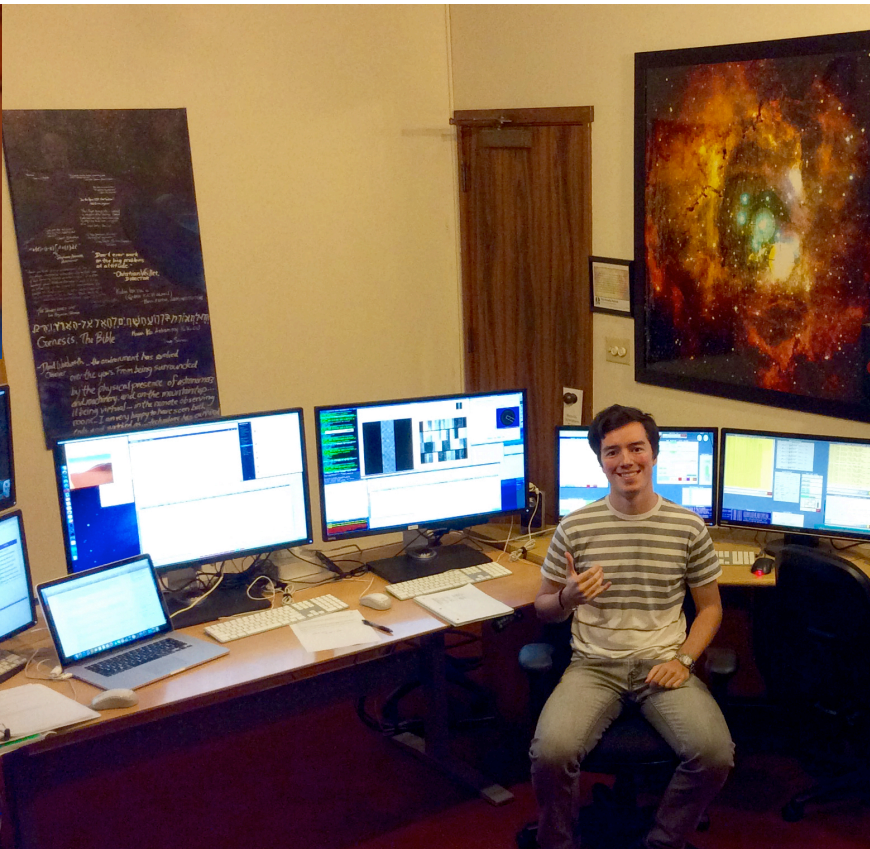
Answered: 71 Skipped: 32



Archives: add these comments in headers for future use

# Q18: Do you find Queue coordinator/Remote observer comments, for each exposure, useful?

Answered: 71 Skipped: 32





**Thanks for your nice words of appreciation for CFHT work!**



## Items for discussion

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Students, visits, remote tours, tutorials: ideas, volunteers, budget required  
contact: Todd

Offered Instruments vs flexibility vs telescope access

ESP/SPI switch options

Phase 1 + 2: we're working on it; timeline: beginning of next LPs (Feb17)  
contact: Kanoa and Lison

Pipelines: stacking functionality not at CFHT; anyone ready to offer that service?

SAC concerns: proprietary periods, carry-over over semesters, schedule optimization

Gemini : instrument access, equal share per semester from 17A on, C/F balance?

What can we do to help the community use the ESP archive?