

# “Campaign”-type Programs 戦略枠

## 1. What are “Campaign”-type Programs ?

戦略枠

- ★ Strategic time allocation to the “key” science programs of Subaru Telescope
  - Unique (new) instruments, or combination of such instruments
  - To strengthen the science leadership in important fields
  - Surveys
  - Large and Long-term program (>100 nights)
  - More than individual

- ★ Importance of the variety of science
  - A strong point of Subaru
  - Four foci, 8+1 instruments

一般枠 (Normal, Intensive, Service)

SAC discussed the balance

Campaign	< 25%
Individual	> 75%

(incl. Intensive)

(both are important !)

# “Campaign”-type Programs

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## 2. Subaru Advisory Committee Agreement

In the meeting on 2007/01/17 (JST), SAC agreed to promote and execute “Campaign”-type programs, with support by Subaru users in this UM.

## 3. Subaru Telescope Project Initiative

Initiative by Subaru Telescope Project for each “Campaign” program is expected and strongly encouraged, as they should be Subaru key programs over the individual users’ ones, and for data handling and quality control.

# “Campaign”-type Programs

## 4. How the Campaign-type programs go?

\* This is still under the SAC discussion

**Step 1.** Subaru Telescope Project and/or SAC propose “Outline”, or “Subject and Frame” of a Campaign program (anytime).

“Outline” or “Subject and Frame” means

- Purpose (e.g., “Direct Detection of Extrasolar Planet”)
- Instruments (e.g., “HiCIAO” )
- Total Number of Nights (e.g., “100 nights”)
- Period (e.g., “5 years”)

**Step 2.** Open discussions on the “Subject and Frame” (UM, web, meetings,,, may be counter proposals..)

**Step 3.** SAC approves the Campaign program (Subject and Frame).

# “Campaign”-type Programs

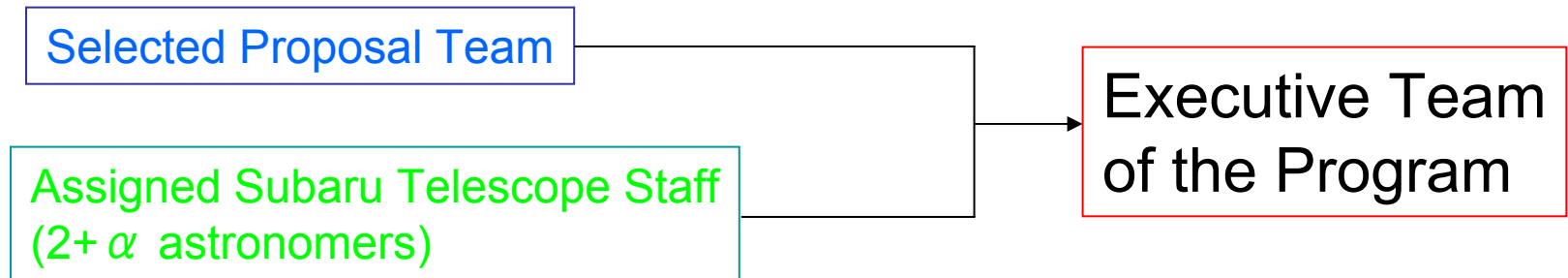
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- Step 4.** Call for Proposals for **the** Campaign Programs for the approved “Subject and Frame”.
- Step 5.** Proposal Submission and Review Process
- Phase-I Proposal Submission
  - Review Panel (2 SAC, 2 TAC, 3 experts + ex officio)
  - 1<sup>st</sup>-round review (referee reports, hearing)
  - Open Discussion (e.g., in UM)
  - Workshop #1
  - Re-submission of Phase-I Proposals
  - 2<sup>nd</sup>-round review to select the program(s).
  - Workshop #2 (re-building of the [selected] proposal groups)
  - Phase-II Proposal Submission for the selected programs
- Step 6.** - Further detailed programs for each semester should be submitted before the scheduling of the semester by Subaru staff.

# “Campaign”-type Program

## 5. Role of Subaru Telescope Project

\* This is still under the SAC discussion



- ★ development of data reduction software
- ★ data quality control
- ★ (final, reduced science) data distribution
- ★ Open announcement on the web

Subaru has already announced the job opportunity (NAOJ post-doc) for Campaign-type Science promotion in fields of Extrasolar Planets and/or Galaxy Evolution

# “Campaign”-type Programs

## 6. Time Allocation Balance

current

Open Use 65%  
(Normal, Intensive, Service)

**DDT 20%**  
(Staff Time, Maintenance,  
Development,  
International Collaborations)

UH 15%

Proposed (Campaign **Max** case)

Usual Open Use 50%  
(Normal, Intensive, Service)

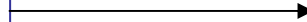
Campaign ~20% (15+5)

**DDT net ~15%**  
(Staff Time, Maintenance,  
Development,  
International Collaboration)

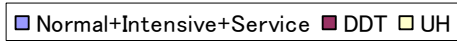
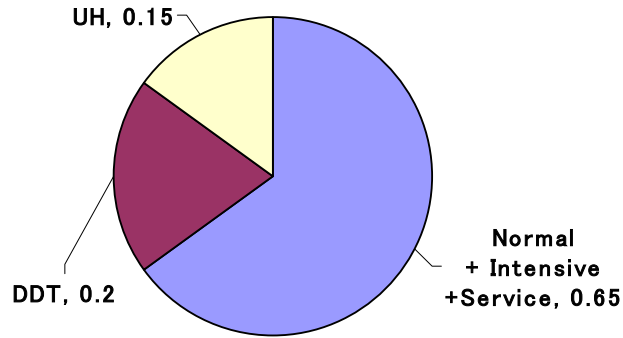
UH 15%

15% (1/4)

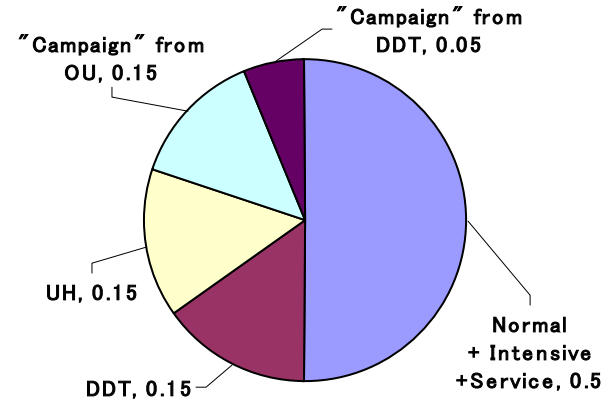
~5% (1/4)



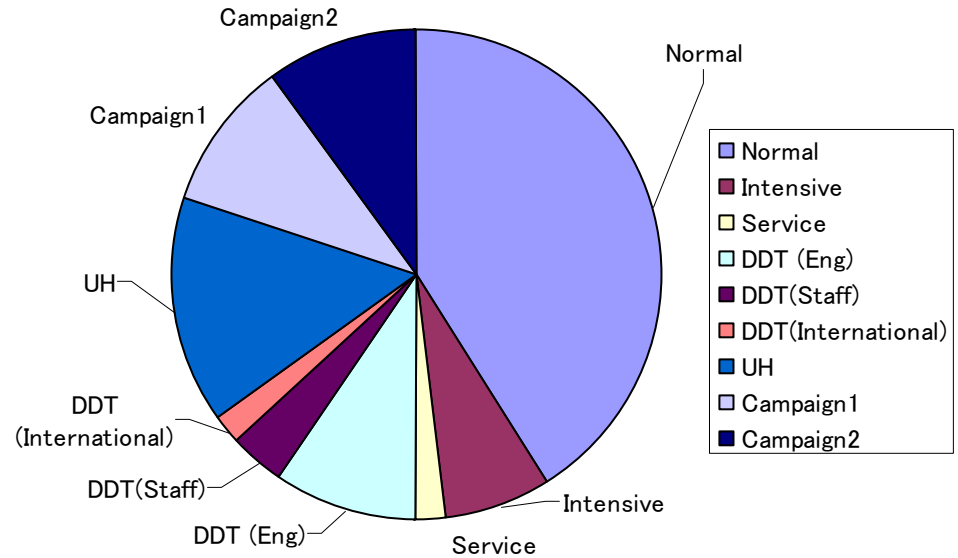
Subaru Time Allocation (Current)



Subaru Time Allocation (Campaign Maximum)



Subaru Time Allocation (Campaign Max, Detail)



Expected time allocation

# “Campaign”-type Programs

## 7. Examples of “Subject and Frame” of Campaign Programs

1. An example of very strategic survey-type program for well-defined sample of the targets/purpose with the instruments that has well-matched characteristics.

Title: “ Extensive Study of Extrasolar Planetary Systems with AO188 + HiCIAO”

Subject: 1. Search and Direct Imaging of Extrasolar Planets of Nearby Stars  
2. Search and Direct Imaging of Young Planets in Star-Forming Regions  
3. Study of Proto-Planetary Disks in Star-Forming Regions  
4. Study of Debris-Disks of Nearby Stars

Instruments: AO188 + HiCIAO (\* HiCIAO is a PI-type instrument)

Number of Nights: 100 nights over 5 years (~20 nights / year)  
e.g., S08B – S13A



# “Campaign”-type Programs

## 7. Examples of “Subject and Frame” of Campaign Programs

2. An example of very extensive survey-type programs.

The output benefits not only the executive team  
but also astronomers world-wide.

Title: “ Deep and Wide-Field NIR Spectroscopic Survey with FMOS”

Subject: 1. Systematically study the properties of galaxies at  $z > 1$   
to understand galaxy evolution in the era.  
2. Reveal the large-scale structure of galaxies at  $z > 1$  and  
to get new insight in galaxy formation and cosmology  
3. Systematic study of the red and dusty objects at high redshift.

Instruments: FMOS

Number of Nights: 120 nights over 3 years (40 nights / year)

S??A/B – S??B/A