



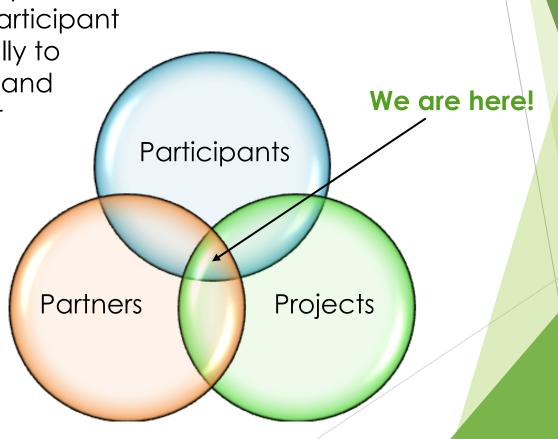
Impact Analysis

Activities and Overview

FY 2017 Retreat, Langley Research Center

Mission Statement:

To support DEVELOP's continued growth as a dual capacity building program through measuring, evaluating, and communicating the results of such efforts both internally to foster the ongoing improvement of participant and partner experience, and externally to promote the benefits of the program and value of Earth observations to partner organizations, potential participants, and society.



2016 Summary Statistics



Image Credit: NASA

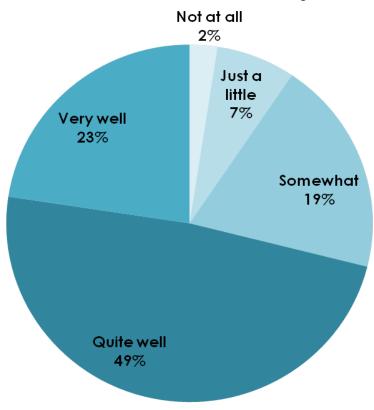
Participants- Current





Personal Growth Assessment (PGA)

Section One of the Self-Evaluation (All Responses)



Post fall 2016 term PGA

- In the first section of the self-evaluation, ~72% of participants rated themselves/their improvement in the highest two of five categories.
- In the second and third sections, ~62% of participants rated themselves in the highest two of five categories and ~64% rated themselves in the highest of 4 categories respectively.

Results of the PGA



- Professional Skills Particpants Hoped to Improve
- Professional Skills Participants Felt they Improved

- •Approximately 57% of participants answered they hoped to gain networking skills on the Entrance Survey
- Approximately 17% of participants listed this as a skill they gained on the Exit Survey
- •Only about 51% of participants answered "Quite well" or "Very well" when asked how well their term with DEVELOP helped them learn to Network

New Assessments

- New Assessments
 - ► Fellow Baseline & PGA/Exit Surveys
 - ► CL PGA/Exit Surveys
- Purpose:
 - Assess benefits from CL and Fellow opportunities
 - How differs from participant opportunities

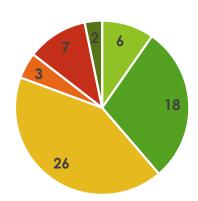


Exit Surveys

- Given to Participants each term
- Method to collect anon, feedback
- Given to SAs, NPO, and for performance reviews
 - ▶ Now compiled for CLs

DEVELOP Experience 35 30 25 20 15 10 5 1: Strongly 5: Strongly 2: Disagree 3: Neutral 4: Agree Disagree Agree ■ My work at DEVELOP was interesting. ■ My work at DEVELOP was challenging. ■ DEVELOP expanded my knowledge of Earth observations and their application.

During the term, communication with our end-user(s) and/or boundary organization(s) took place



- Multiple times per week
- Once every two weeks
- Once per term
- Other

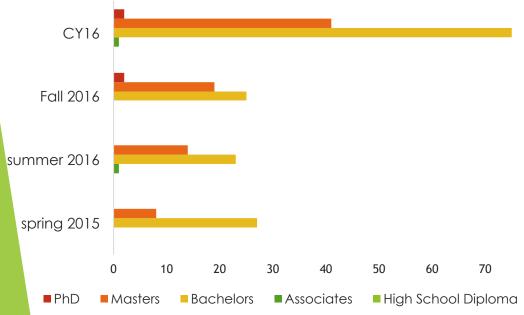
- Once per week
- Once per month
- No communication during the term

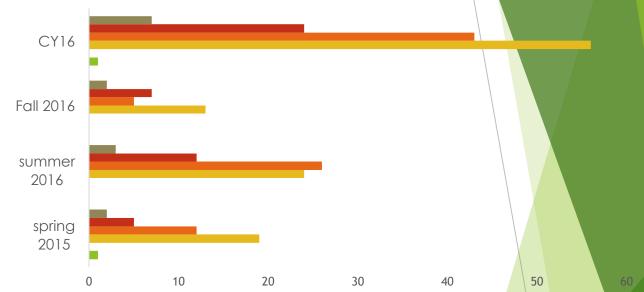
Participant Info Sheets

80

- Collects demographic info
- Used for reporting







Bachelors

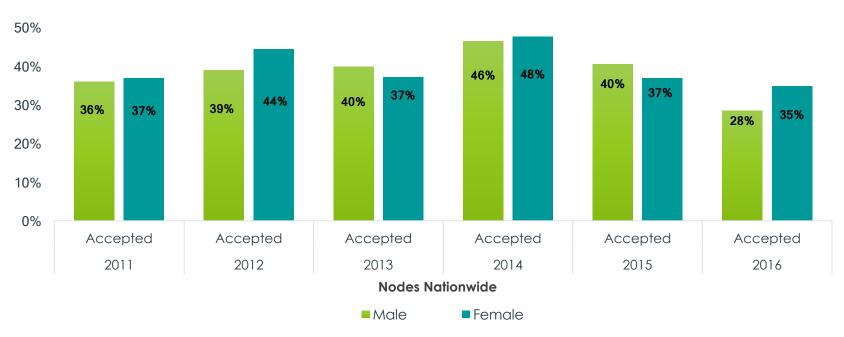
Associates

High School Diploma

Students by Education

Equal Futures Reporting

Percent of Accepted Applicants from Total Applicants by Gender, FY 2011 - 2016

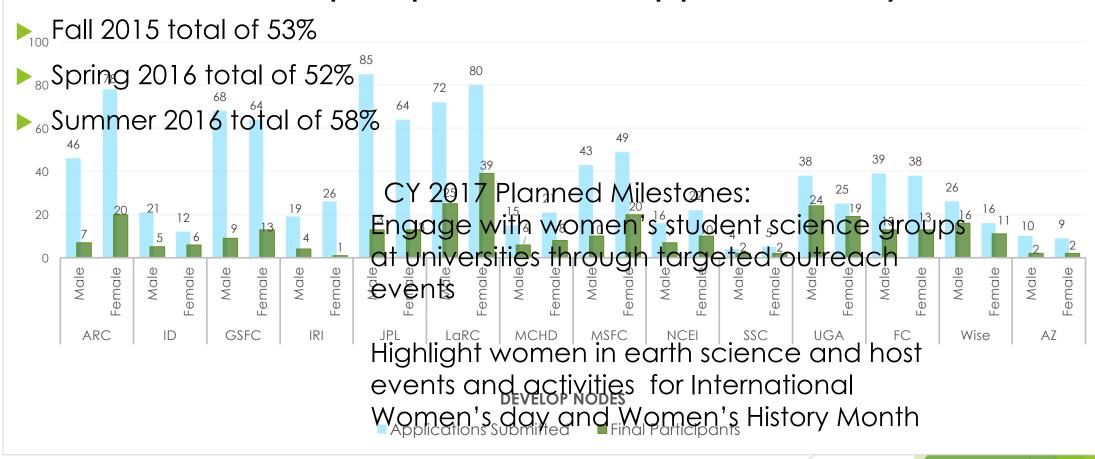


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Equal Futures Reporting

Total Applicants for FY 2016: 511 females and 500 males.

FY 2016 total of 54% female participants, Posticipants positions filted by worken



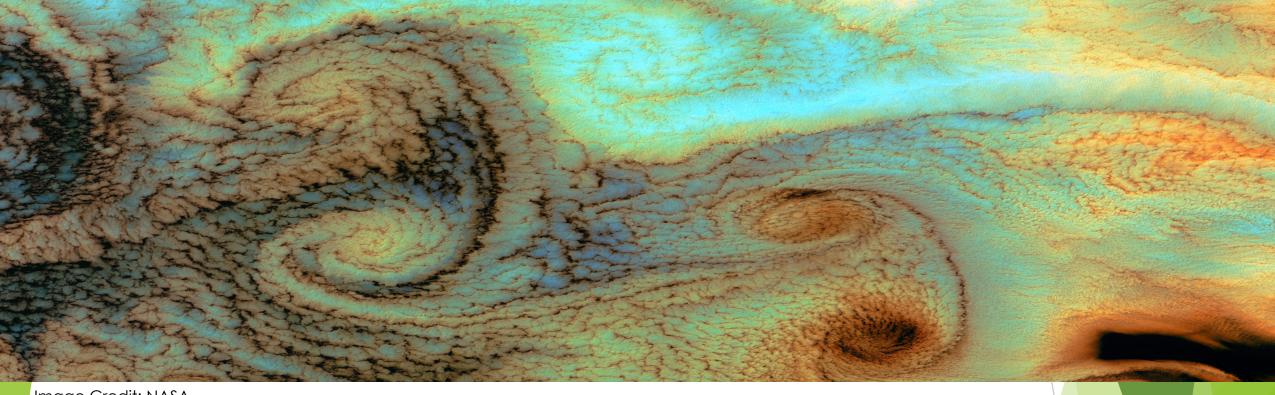


Image Credit: NASA

Participants- Alumni





CY16 Survey: Sent vs Responses



Current Alumni Employment









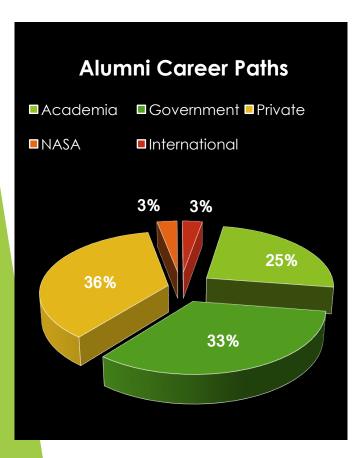












Industries

- 17 Alumni in Academia
- 23 Alumni in Government
- 25 Alumni in Private Sector
- 2 Working with NASA
- 2 Working in International Fields

"DEVELOP provided me with the opportunity to apply my school knowledge to real-life examples, meet individuals with similar interests, network with a wide range of partners and scientists, and gain leadership experience that I would not have had the opportunity otherwise at such an early time in my career. The program allowed me to develop both technical and professional skills that I can take with me in my career. I will always be incredibly grateful for my time with DEVELOP."

- Rebekke Muench [Regional Science Associate, SERVIR]

Academia

- Harvard University
- University of Michigan
- Research Scientists
- Teaching Assistant
- Professor

Private

- Hospitals
- Consultants
- Apple Inc
- Digital Harvest
- Facebook

Government

- Census Bureau
- Metropolitan Area Planning Council
- NOAA/NWS
- USDA Forest Service

• NASA

- USAID SERVIR
- JPL

International

- Federal Education Department of Pakistan
- Genesis Consultancy in Nepal

2017 Alumni Collaboration Plans



Image credit: NASA

Impact Analysis & Communication Fellows' Goals:

- Lay Groundwork for Alumni Coverage Map
- Arrange Virtual Brown Bags
- Strengthen DEVELOP Ambassador Corp
- Lay Groundwork for DEVELOP's 20th
 Anniversary

Immediate Actions:

- Updating CY2017 Alumni Survey
- Creating Email template for Alumni engagement opportunities
- Creating recruitment materials for Alumni

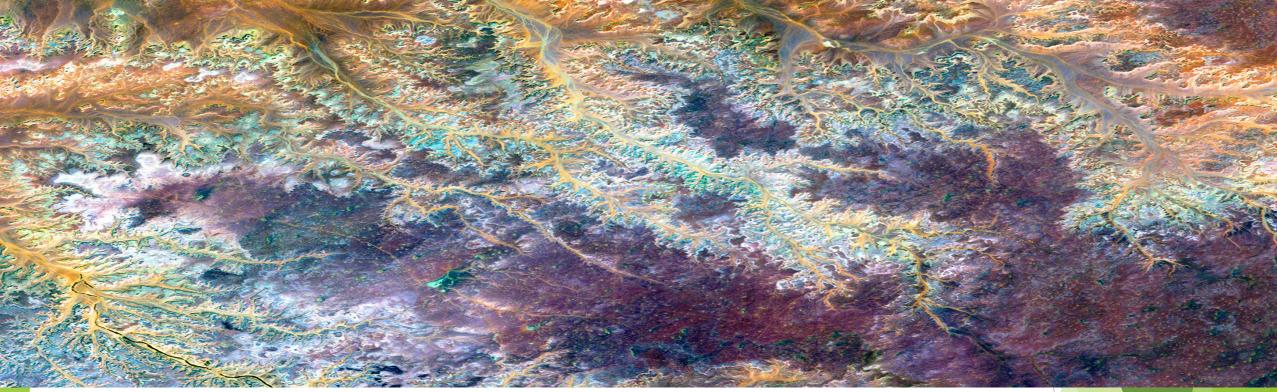


Image Credit: NASA

Partners





Partners

- Partner Tracking master spreadsheet of partners
- Used for compiling stats about partners and keeping track of Pre & Post Forms to send

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- Pre & Post Forms the "standardized" questionnaires
- Given to all end users and boundary orgs
- Provides a point of comparison across a partnership, as well as across projects
- Goal: Follow up with more partners
- Short Summaries of impacts for projects featuring partner quotes and experiences



Pre-Project Partner Form (Summer

h DEVELOP location are you working with:

Partner Stats

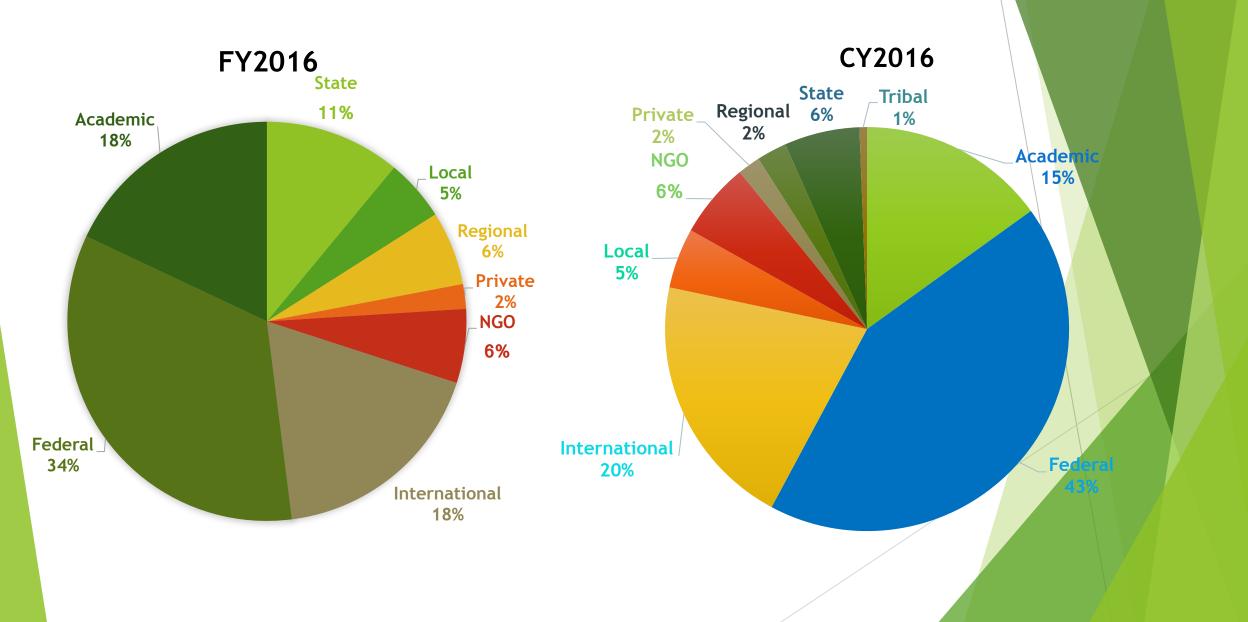




Image Credit: NASA

Projects



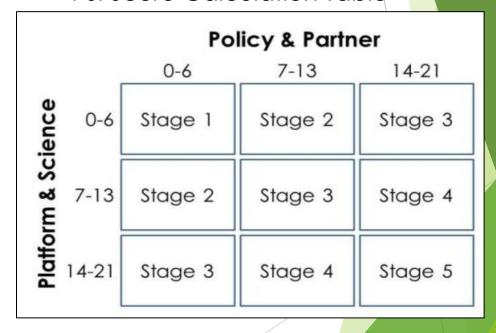
Indicator Tracking

- Tracking metrics are used to inform DEVELOP's results framework. These indicators are how can we show, or measure those how successful we are at achieving desired results.
- Statistics are used in several ways including:
 - **DEVELOP** Results indicator Framework
 - Summary Stats for yearly reports
 - Partner Verification

Project Strength Index (PSI)

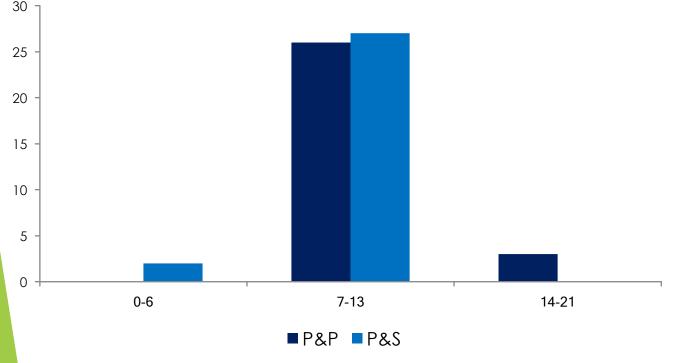
- The PSI provides an assessment of a project's overall strength
 - Projects are scored by stages (1-5) based on scores in two categories
 - Scoresheets are provided to each node's Center Lead
- New PSI Part II will be given one term after the final term of a project
 - Enable a long term look at projects
 - Allow time for products to be utilized
 - Increase understanding of benefits to partners

PSI Score Calculation Table



Summer 2016 Preliminary PSI Results





Summer PSI Part I Results

Prelim Stage	# of Projects			
1	0			
2	2			
3	24			
4	3			
5	0			

- The majority of projects are stage
 3
- The graph breaks up scores by category (Policy & Partner and Platform & Science)

Upcoming: IA Projects

- 1.Impact analyses of several past projects
 - Develop questions and interview past partners
 - Create a framework to conduct these analyses to determine benefits of DEVELOP projects





Our Stats Are Everywhere!

Stats

- **Participants**
 - Age
 - ► Education
 - ► Race/ Ethnicity
 - Gender
- Partners
 - Type
 - Organization
- **Projects**



Etc.



Thanks!