NASA DEVELOP 2016 PROPOSAL BOOTCAMP



We choose to write these proposals, not because they are easy, but because they are hard. Because that goal will serve to organize and measure the best of our energies and skills. Because that challenge is one that we are willing to accept and one which we intend to win.

OF

DEVELOP METRICS

- 1. 35 states impacted per year (both FY and CY)
- 2. 50 states impacted on a rolling 3-year basis
- 3. Reach all 9 application areas
- 4. Cap of 25-30% international (only after 35/50 states have been impacted)
- 5. 3 AmeriGEOSS Latin America-focused projects per year

CONSIDERATIONS



STATES IMPACTED

FY2016 46 States Impacted

CY2016 42 States Impacted





STATES IMPACTED

FY2017*



= GAPS

2017 Targets / Considerations

- Needed for FY17 = AK, HI, OR, WA, TX, OK, SC, NJ, CT, RI, MA, VT, NH, ME
- 2 projects (NCEI & MSFC) are covering a majority of the "impact"
- AK, RI, OK haven't been impacted since Summer-15

APPLICATION AREAS ADDRESSED



CY2016



25

APPLICATION AREAS ADDRESSED



2017 Targets / Considerations

- Need at least one Weather & Oceans
 - More emphasis on **Disasters & Health**
 - Less emphasis on Water & Eco

COUNTRIES IMPACTED

FY2016

CY2016



9 Latin American Projects

10 Latin American Projects



COUNTRIES IMPACTED

FY2017*



2017 Targets / Considerations

- 25-30% Cap
- AmeriGEOSS countries



PARTNERS ENGAGED

FY2016 CY2016 **State State** Tribal 11% Academic Private_ 6% Regional 1% 18% 2% 2% Academic Local NGO. 15% 5% 6% Regional 6% Local 5% Private 2% NGO 6% **Federal International** 34% **Federal** 20% 43% International 18%

PARTNERS ENGAGED

FY2017



2017 Targets / Considerations

- State & Local
- NGO & Tribal

SUMMER WISH LIST



- Projects using SEDAC Data
- Gender data integrated with satellite data
- Gap App Areas: Weather, Oceans, Disasters, Health
- Gap States: AK, HI, OR, WA, TX, OK, SC, NJ, CT, RI, MA, VT, NH, ME
- Partners: State & Local Governments, Tribal, NGOs
- Projects related to/aligned with SDGs

SEDAC

NASA's Socioeconomic Data and Applications Center (SEDAC)

What?

"Focusing on human interactions in the environment, SEDAC has as its mission to develop and operate applications that support the integration of socioeconomic and earth science data and to serve as an 'Information Gateway' between Earth sciences and social sciences." (<u>http://sedac.ciesin.columbia.edu/</u>)

Why?

 Support Capacity Building Program's efforts to support SEDAC data usage and incorporate socioeconomic analyses into CBP work

Resources:

- ARSET Trainings Utilizing SEDAC Data:
 - <u>Climate Variability, Hydrology, and Flooding</u> (Session 3)
 - <u>Using NASA Remote Sensing for Flood Monitoring and Management (Session 3)</u>

WORKING WITH STATE & LOCAL

Why?

- The state & local government partnerships that DEVELOP pursues are unique to our program
- DEVELOP has the ability to work at the scale that meets their decision making needs
- Stat & local gov'ts.' goals of benefiting the public align with DEVELOP
- Resources are often very limited so generally pretty enthusiastic to partner (free resources)
- Past Examples
 - Virginia Water
 - Miami-Dade Eco

How?

- Find the career people rather appointed officials (risk of higher turn over)
- Read environmental articles in local newspapers/ magazines to identify personnel to contact
- Cold call/ emails work
- Come up with a few ideas or examples of previous work to showcase to spark conversation
- Can reach out to management or lower/ technical personnel:
 - Technical: likely the ones to actually be using end products, (perhaps) more familiar with GIS/ RS, but will likely have to go up chain to include management in approval
 - Management: more likely to have experience handling cold-calls and can provide snapshot of the problems they face, gains buy-in at management level, likely need to include the more technical personnel for details

GENDER DATA

Why?

 Address socioeconomic aspects, not just environmental issues

Ideas:

- Include demographic data relating to gender in population in risk/ vulnerability map products
- Well-suited for Disasters, HAQ, and Agriculture

Resources:

SERVIR GIS & Gender Guidance
 Notes:

https://servir.adpc.net/publication s/gender-and-gis-guidance-notes





What?

- September 2015, UN adopted the 2030 Agenda for Sustainable Development
- Outlines 17 Sustainable Development Goals (SDGs) which lay out the overarching
 objectives for all countries to meet by 2030 in such global concerns as ending poverty and
 hunger, ensuring gender equality, access to clean water, and environmental sustainability

Why?

• Support GEO & NASA Applied Sciences Program efforts to identify SDG indicators that could integrate Earth observations (EO) into their monitoring.

How?

- Identify DEVELOP projects that align with SDGs and create case studies that provide an example of how EO can be integrated into SDG monitoring
- Partner with organizations that are already working in support of SDGs

