

HAQAST Update

Tracey Holloway

Professor, University of Wisconsin—Madison

Leader, NASA Health and Air Quality Applied Sciences Team (HAQAST)

November 4, 2016



HAQAST History & Future

Health & Air Quality Applied Sciences Team

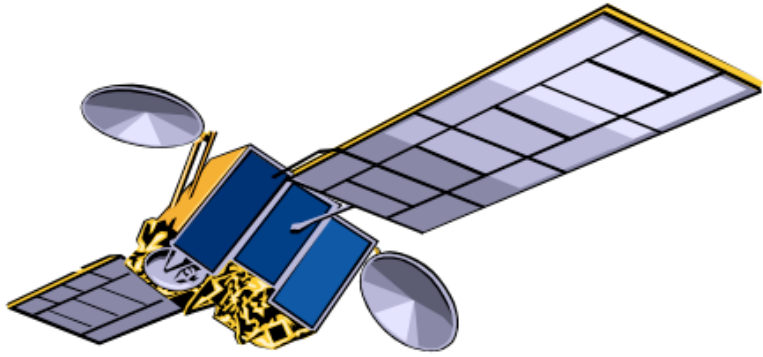


- 2011-2016 – 5 year AQUEST duration
- July 22, 2016 – HAQAST team announced
- November 2016 – HAQAST1 @ Atlanta
- February 2017 – HAQAST2 @ Seattle
- Spring 2017 – Launch Tiger Teams
- November 2017 – HAQAST3 @ NYC
- Summer 2018 – HAQAST4 @ Madiso
- Fall 2019 – End of 3rd year HAQAST

HAQAST members



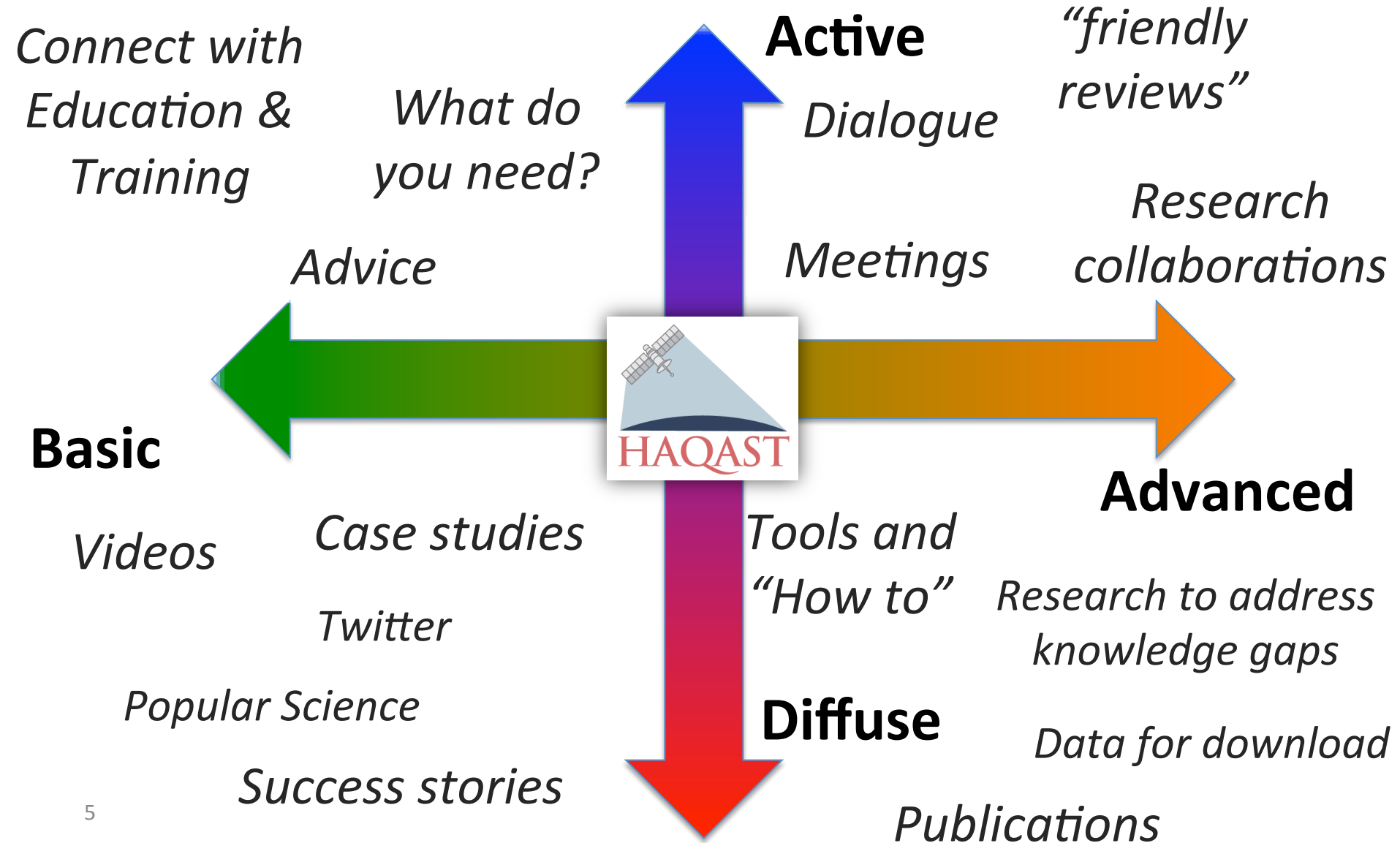
- **Tracey Holloway** (Team Lead, UW-Madison)
- **Bryan Duncan** (NASA GSFC)
- **Arlene Fiore** (Columbia University)
- **Frank Freedman** (San Jose State University)
- **Daven Henze** (University of Colorado, Boulder)
- **Jeremy Hess** (University of Washington, Seattle)
- **Yang Liu** (Emory University)
- **Jessica Neu** (NASA Jet Propulsion Laboratory)
- **Susan O'Neill** (USDA Forest Service)
- **Ted Russell** (Georgia Tech)
- **Daniel Tong** (George Mason University)
- **Jason West** (UNC-Chapel Hill)
- **Mark Zondlo** (Princeton University)

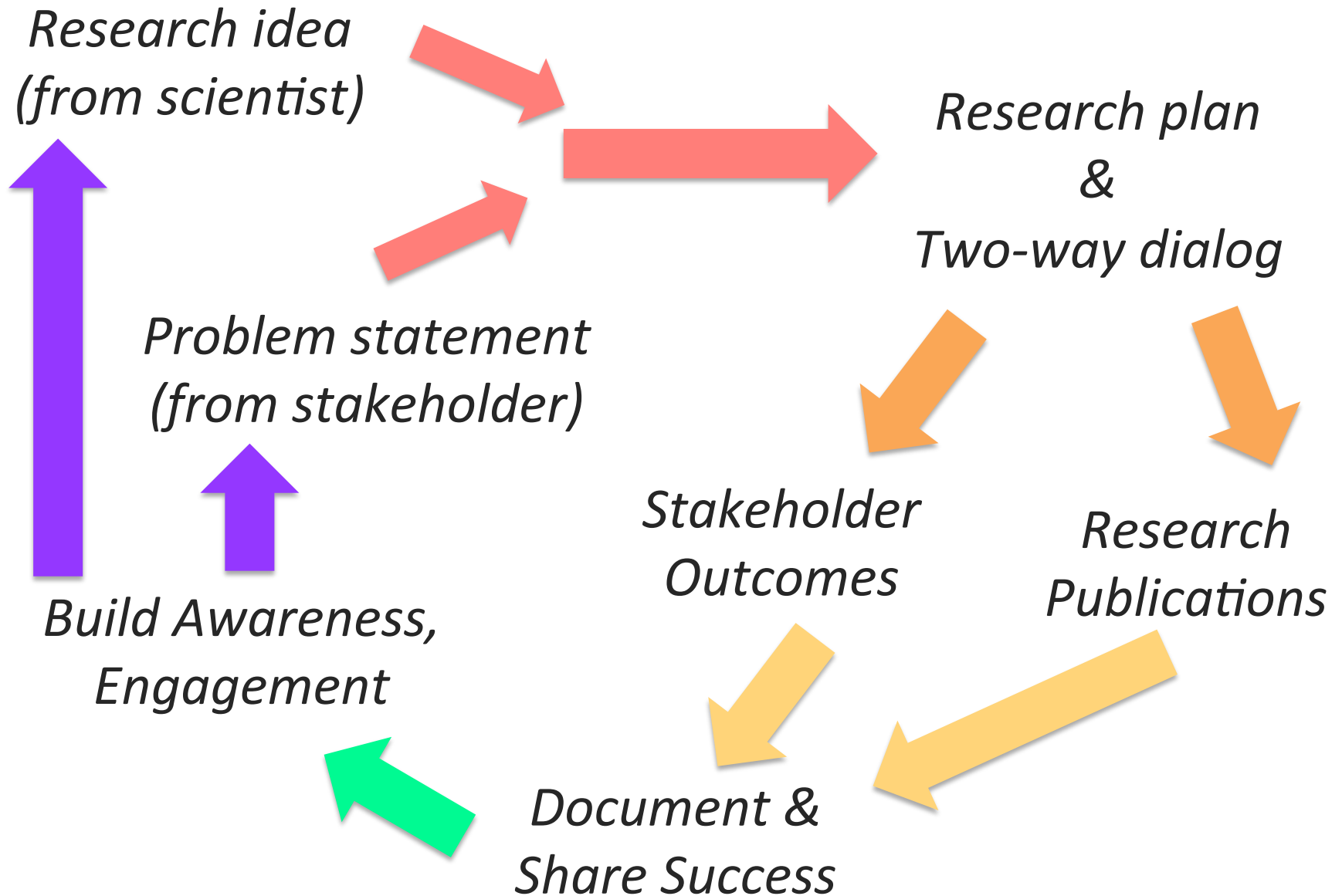


HAQAST Mission:

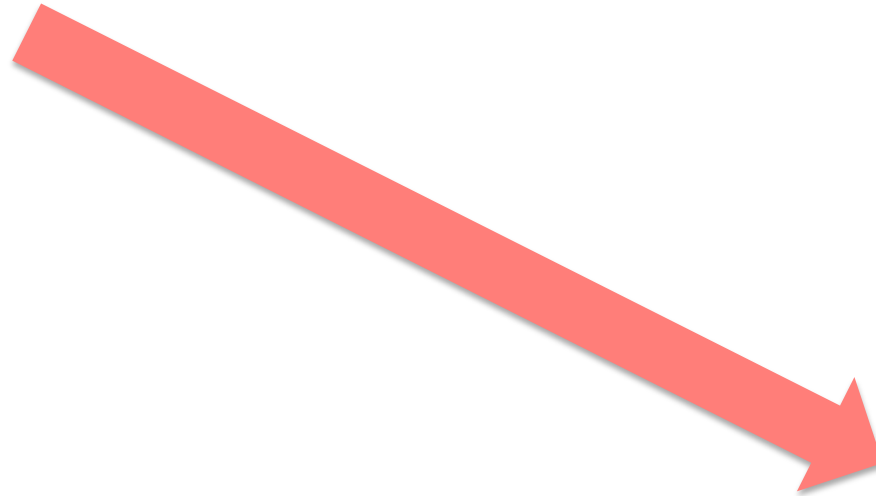
*Research and
outreach to connect
NASA science with
stakeholders in health
and air quality*

HAQAST Scope of Work



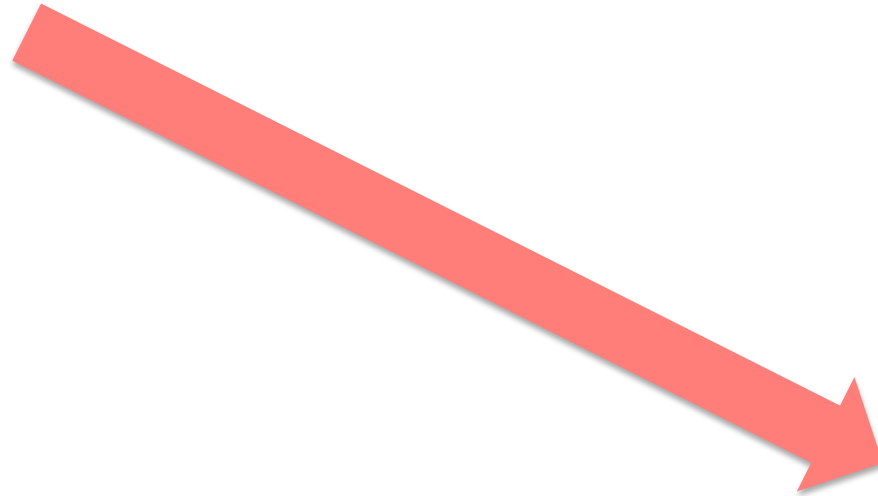


*Research idea
(from scientist)*



*Research
Publications*

*Research idea
(from scientist)*

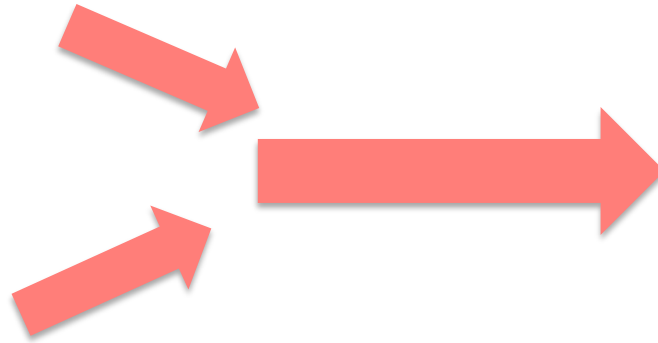


*Research
Publications*



*Document &
Share Success*

*Research idea
(from scientist)*



*Problem statement
(from stakeholder)*

*Research plan
&
Two-way dialog*



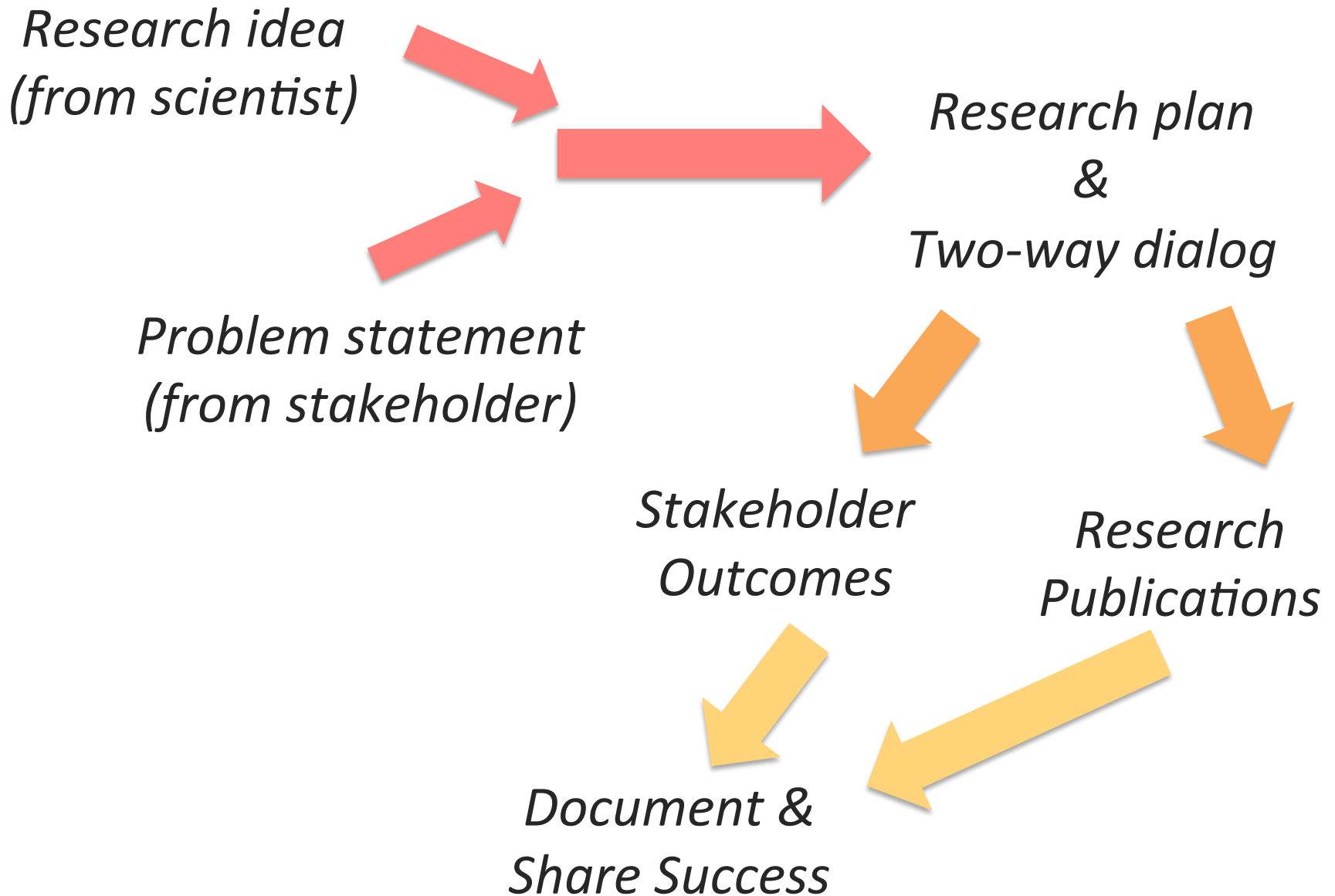
*Research
Publications*

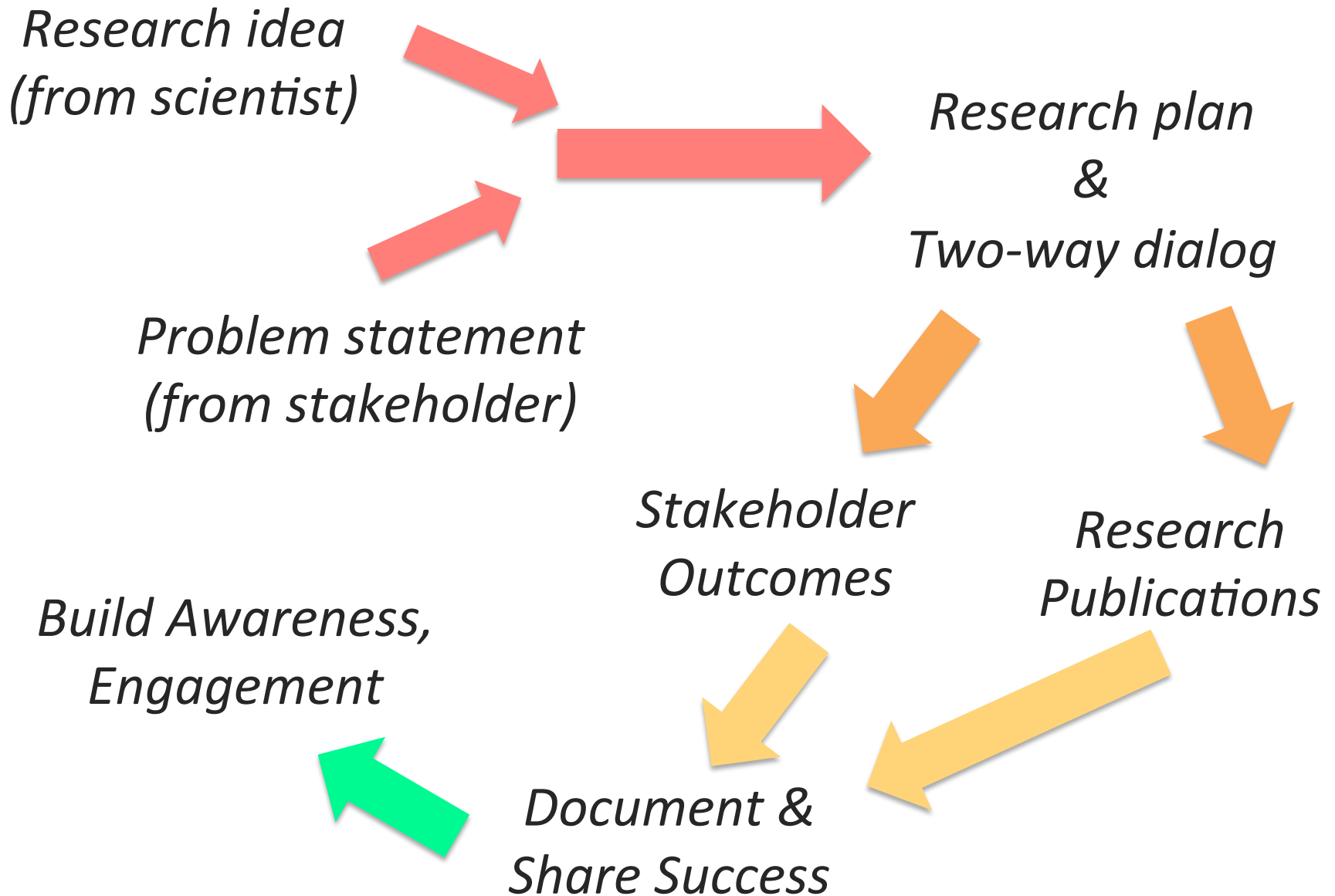


*Document &
Share Success*

A few TT ideas from this morning..

- Daven Henze – Health impacts of global emissions control actions (WorldBank and others)
- Brad Pierce - Data assimilation for emission inventories/health assessment/ background O₃
- Daniel Tong: Multi-year data assimilation products as benchmarks for boundary conditions
- Jason West: Time trends in air quality and implications for public health, either US or global.
- Arlene Fiore and Jessica Neu: Background O₃.
- Jeremy Hess: Pollen forecasting, e.g. focused on Atlanta area
- Frank Freedman: Community information on PM in California for assessment and forecasting
- Talat Odman: Smoke information to support fire decision-making
- Susan O'Neill - -Smoldering potentials of organic fuels.





OVERLAYS

	Aerosol Optical Depth Terra / MODIS	
		
	< 0.000	5.000
	Place Labels © OpenStreetMap (license), Natural Earth	
	Coastlines / Borders / Roads © OpenStreetMap (license), Natural Earth	
	Coastlines © OpenStreetMap (license)	

BASE LAYERS

	Corrected Reflectance (True Color) Suomi NPP / VIIRS	
	Corrected Reflectance (True Color) Aqua / MODIS	
	Corrected Reflectance (True Color) Terra / MODIS	

+ Add Layers

2017 FEB 26

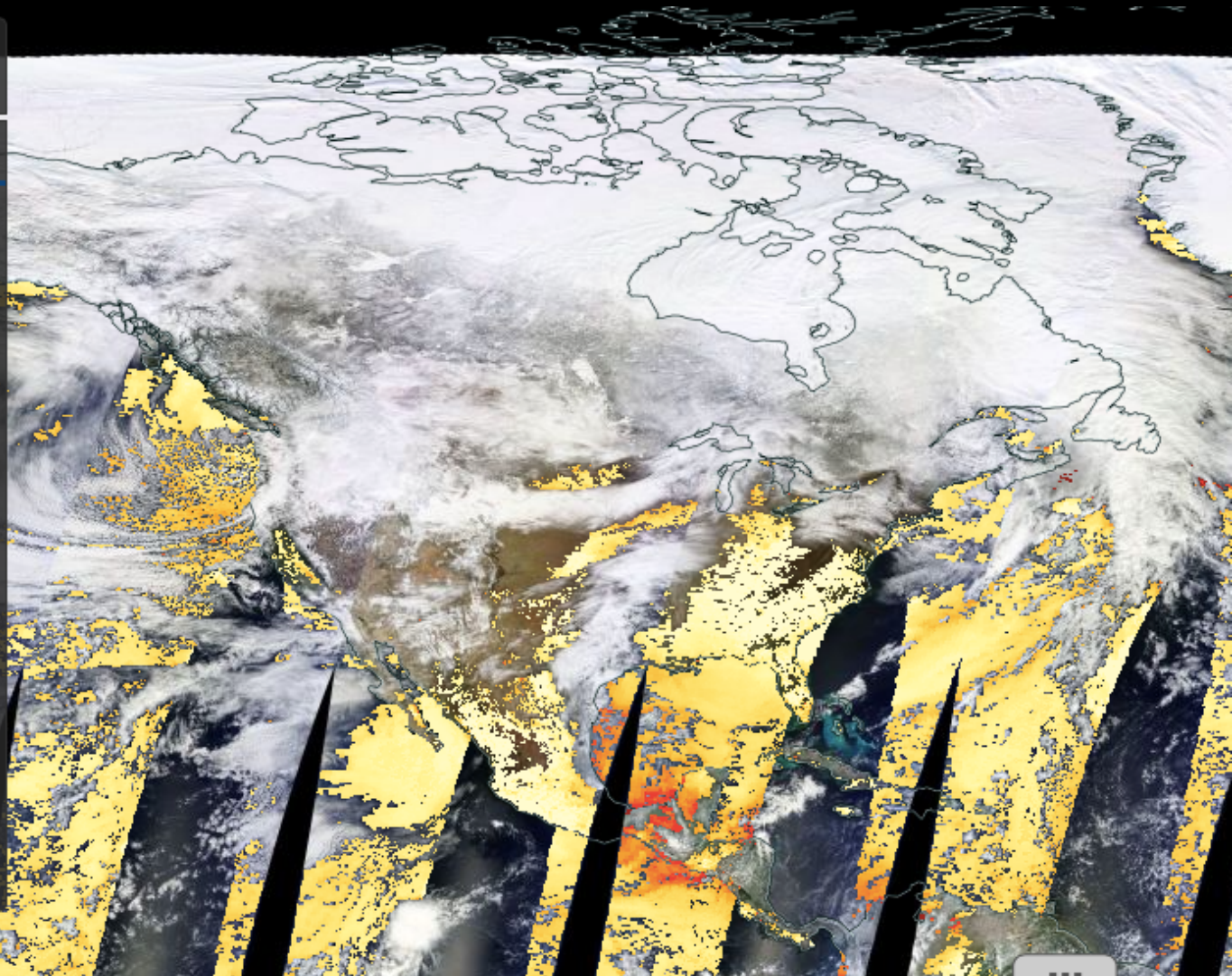


Display a menu

2017

FEB 2017

MAR 2017



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Thank you!

