The Science of Strategic Communication

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GEER 2017



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Science of Strategic Communication

- What is Strategic Communication
 - ► The Three Pillars
 - ► The "Is" List
- Generalizable Framework
 - ► The Natural Sciences Literature
- Strategic Communication Matrix
- ► This session's excellent speakers

Strategic Communication 101

- ► The purposeful use of communication by an organization to fulfill its mission
 - a process to advance national interests using coordination
- The field of Strategic Communication involves a focused effort to identify, develop, and present multiple types of communication media on a given subject

Military

Business

to gain information - improve transparency - hold that thought

align stakeholders

Science

The Three Pillars

- Elements composed of three pillars:
 - Message Identifying the right content for a given audience and a vehicle
 - ► Audience Identify the right target group for a given message and vehicle
 - Vehicle Identify the right types of media for a given message and audience
- Can serve as a way to show an audience where they, the message, and vehicle fit into the larger picture (i.e., "you are here")

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Message

The "Is" List

The "Is Not" List

- A targeted list of messages, audiences, and vehicles to meet the goals and objectives for a project
- A partial list of messages, audiences, and vehicles (e.g., a laundry list) that only meets some goals/objectives
- A collaborative effort of practitioners and communicators
- Put together in a vacuum
- A facilitator for active stakeholder engagement
- A replacement for active stakeholder engagement
- A holistic approach to planning, executing, and incorporating feedback from overall communications
- A briefing/communication strategy by itself



- 1. Overall Strategy
- 2. Background
- 3. Key Message Points
- 4. Target Audience/s
- 5. Anticipated Reaction
- 6. Communication Materials to be Developed
- 7. Timeline
- 8. Notification Plan

Strategic Communication in Science

Science and the "deficit model" (literature)

- Non-scientists are not educated or informed on a topic;
- Once the audience is educated on the topic, they will accept an issue;
- If members of the public only understood the scientific facts, they would be more likely to see the issues as experts do;
- ➤ A lack understanding of science fully explains why more people do not appear to accept scientific claims or support policies that are consistent with scientific evidence.

Effective science communication requires engagement with different audiences in different places at different times, taking account of what they want to know and already know, understand, and believe. (NRC 2017; paraphrase)



Natural Sciences Literature Search

Literature Search:

- Google Scholar
- Web of Science
- Publish or Perish

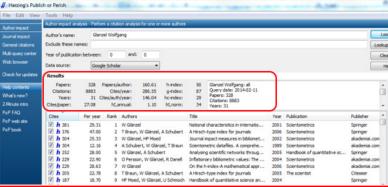
"strategic communication" and

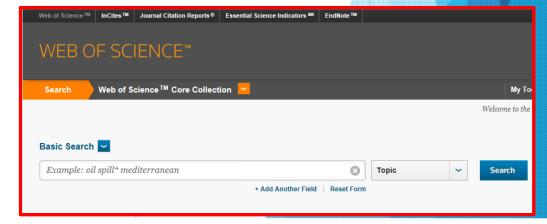
"natural resources management"

"ecosystem restoration"

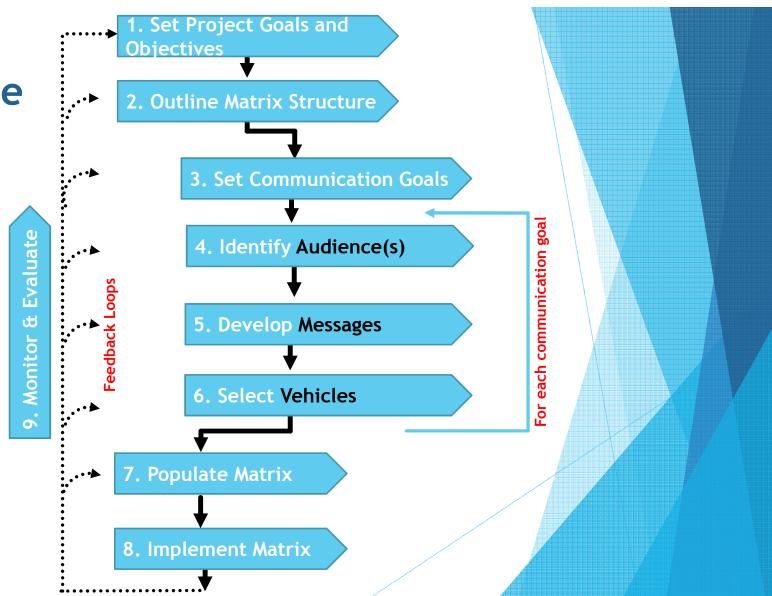
"habitat conservation"

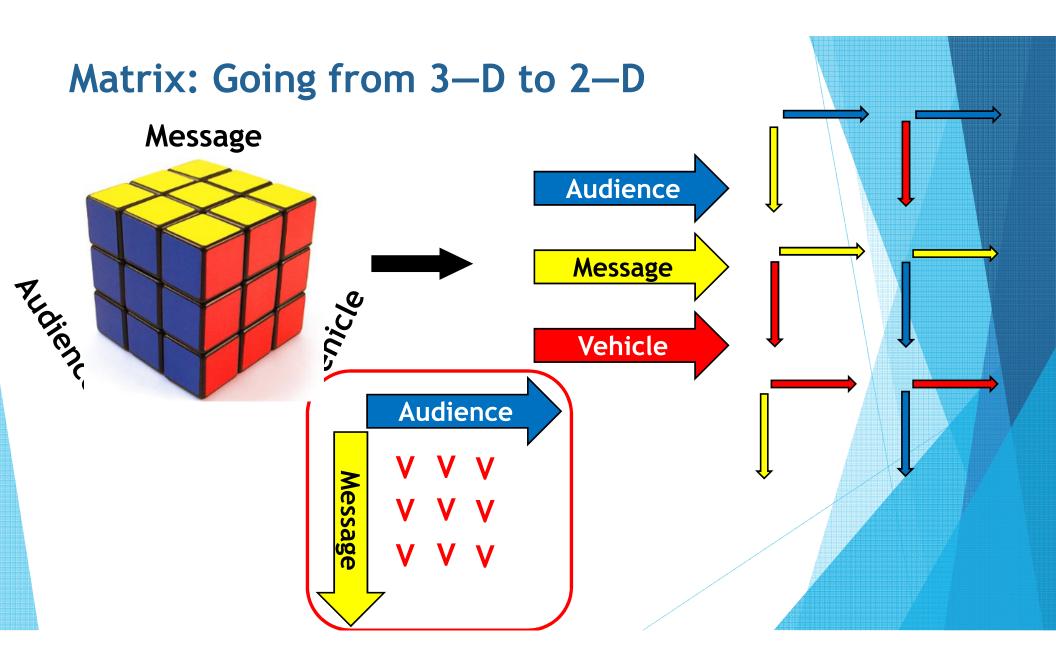






Generalizable Framework





Strategic Communication Matrix

or other

- Three organizational tiers/levels
 - Goals start with these
 - Communication Matrix
 - More complex; implementation **Audiences ORD External Project** Content Content Content Message (vehicle) (vehicle) (vehicle) Content Content Content Message (vehicle) (vehicle) (vehicle) Populate these cells Break down with details by Task (and vehicles)

Tab 1: Project Goals & Communication Goals

9	SHC 2.61 Communication Ma	trix						
	Project Goals:			Communication Goals Option 1 - Actions	Communication Goals Option 2 - Outcomes			
,	Call. The goal of this project is to assess	1: The goal of this project is to assess the transferability, scalability, cability, uncertainty, and relevance of ecosystem service-related frameworks els, methods (including involving community engagement), and tools that link		1. Communicate the relevance of ES to human health and well-being.	Targeted audiences understand the relevance of ES and human health and well-being.			
а	pplicability, uncertainty, and relevance of			2. Communicate the importance of tools (methods/models) to study ES.	Targeted audiences understand the importance of tools (methods/models) to study ES, and understand how to use them.			
t	e production of FEGS to human health and well-being.			$3. \ Communicate the transferability, scalability, uncertainty, and applicability of applied science of ES.\\$	Targeted audiences understand the transferability, scalability, and applicability of the applied science of ES.			
	Goal 2: The goal of the Integration, Synthes ask is to facilitate, coordinate, and integ			1. Communicate the importance of facilitation and integration among Tasks. Targeted audiences understand the importance of facilitation and integration among Tasks.				
	among the case study locations, and communicate results of original research that utilize connections between community decisions, stressors, production functions, FEGS, and benefits.			2. Communicate the results of research.				
				3. Communicate the importance of strategic communication. Targeted audiences understand the importance of strategic communication.				
Goal 3: The goal of the Final Ecosystem Goods and Services (FEGS) Task is to develop 1. Communicate the linkages between FEGS and human health. Targeted audiences understand the linkages between FEGS and human health. Targeted audiences understand the linkages between FEGS and human health. The goal of the Final Ecosystem Goods and Services to changes in human health through the identification of metrics and indicators of FEGS for multiple environmental classes and individual communities, and the transferability								
### T	of metrics and indicators of FEGS among places and ecosystems.			2. Communicate FEGS metrics and indicators.	Targeted audiences understand FEGS metrics and indicators.			
				3. Communicate the transferability, scalability, applicability and relevance of FEGS metrics and indicators.	Targeted audiences understand the transferability, scalability, applicability and relevance of FEGS metrics and indicators.			
	$ \leftarrow \rightarrow $	Goals	Matrix	Tracking and Implementation	Instructions for tracking			

Tab 2: Matrix

*Note: Hover over cells with a red triangle flag in the top right corner to see additional information.

	e. Hover over cells with a rea thangle hag h	e topg toe. to occ un							
Project Goal	Communication Goals	Message/Focal	al Point	SHC/NPD (management side)	ORD (management side)	Labs (management side)	EPA Regions and Program Offices (management side)		
1	human health and well-being. 2. Communicate the importance of tools (methods/models) to study ES. 3. Communicate the transferability, scalability, uncertainty, and applicability of applied science of ES.	Message 1 + Vehicles Message 2 + Vehicles Message 1 + Vehicles The importance of using a practic	cal strategies approach	. Vehicle = PRS					
	Communicate the importance of facilitation and integration among Tasks.	Message 1 + Vehicles							
	2. Communicate the results of research.	Message 1 + Vehicles		A					
2		Present an organized framework for capturing the range of communication needs for a project and to help identify gaps and opportunities.		framework and matrix structure to capture the range of scientific communication activities. This allows for tracking past, current, and future communication needs. (presentation,	It is important to use an organized	framework and matrix structure to capture the range of scientific communication activities. This allows for tracking past, current, and future communication needs. (presentation, email, manuscript,	It is important to use an organized framework and matrix structure to capture the range of scientific communication activities. This allows for tracking past, current, and future communication needs. (presentation, email, manuscript, report)		
		It is important to make and implement a strategic communication plan at the beginning of a project for dissemination of information to ensure and track successful two-way communication between communicator and audience.		communication plan at the beginning of their project. This will allow them to disseminate their research results through two-way communication between the communicator and the audience, and will help track and ensure successful communication. (newsletter, email, presentation, fact sheet,	make and implement a strategic communication plan at the beginning of their project. This will allow them to disseminate their research results through two-way communication between the communicator and the audience, and will help track and ensure successful communication.	scientists to make and implement a strategic communication plan at the beginning of their project. This will allow them to disseminate their research results through two-way communication between the communicator and the audience, and will help track and ensure successful communication. (newsletter, email, presentation, fact sheet, manuscript,	The state of the s		
	4 → Goals	Matrix 7	Tracking and	d Implementation	Instructions for tra				

Matrix Management

Tab 3: Tracking and Implementation (metadata)

			Message	e/Purpose	Vehicle	Date of distribution	Next revision target date	Audience	Internal Review Complete?	
Project Goal	Communicatio	on Goals								
	Communicate the releva human health and well-bei									
1	Communicate the importance of tools (methods/models) to study ES.				LLR Fact Sheet					A
					Lessons Learned Report		0	RAFT		
	3. Communicate the transferability, scalability and applicability of applied science of ES.				GMeCCS Synthesis Report		V			
	Communicate the importance of facilitation and integration among Tasks.									
	2. Communicate the results of research.				2.61 FY16 Output					
2	Communicate the importance of strategic communication.		It is important to make and implement a strategic communication plan at the beginning of a project for dissemination of information to ensure and track successful two-way communication between communicator and audience.		Strategic Communication Poster (ACES)	12/2016		Scientists attending ACES	Yes	
∢ → Goals		Matrix	Tracking	and Impleme	entatio	n I	nstruction	ns for t	racking	

IMPORTANT: Rest of Session - excellent speakers!

- ► Stephanie Johnson
 - National Academies
- ► Todd Hopkins
 - ► Landscape Conservation Cooperative
- ► Patti Gorman
 - ► RECOVER (SFWMD)
- ► Shannon Estenoz
 - **SFERTF**
- ▶ Stay for Panel Discussion before lunch break!