

For audio, select

**Join Audio Conference by Computer**

or

Call: 1-773-231-9226 (U.S. toll)  
Meeting ID: 148 670 5880

Having Trouble?

Email Ben at [bgoodrich@coffa.org](mailto:bgoodrich@coffa.org)

# Welcome to



The webinar will begin momentarily.  
Your line has been muted.



COSSA  
HEADLINES

A monthly look at what's new and noteworthy in social science policy

- ❑ This Month's HEADLINES
- ❑ This Month's DEEP DIVE: National Academies' Decadal Survey of Social Science Applications for Intelligence Analysis
- ❑ This Month's HOMEWORK: What you can do this month

# COSSA HEADLINES

A monthly look at what's new and noteworthy in social science policy



Wendy Naus  
COSSA Executive Director  
[wnaus@coffa.org](mailto:wnaus@coffa.org)



Mary Ellen O'Connell  
[moconnell@nas.edu](mailto:moconnell@nas.edu)

Division of Behavioral and Social Sciences and Education  
National Academies of Sciences, Engineering and Medicine

## This Month's Experts



Alexandra Beatty  
[abeatty@nas.edu](mailto:abeatty@nas.edu)



## MEMBERSHIP ORGANIZATIONS

Academy of Criminal Justice Sciences  
African Studies Association  
American Association of Geographers  
American Council of Learned Societies  
American Evaluation Association  
American Historical Association  
American Psychosomatic Society  
Association for Behavioral and Cognitive Therapies  
Association for Public Policy Analysis and Management  
Association of Academic Survey Research Organizations  
Association of American Law Schools  
Association of Research Libraries  
Council of Colleges of Arts & Sciences  
Council on Social Work Education  
Economic History Association  
History of Science Society  
Midwest Sociological Society  
National Association of Social Workers  
National Council on Family Relations  
North American Regional Science Council  
Rural Sociological Society  
Social Science History Association  
Society for Prevention Research  
Society for Research on Adolescence  
Society for Social Work and Research  
Society for the Psychological Study of Social Issues  
Society of Behavioral Medicine  
Southern Political Science Association  
Southern Sociological Society  
Southwestern Social Science Association

## COLLEGES & UNIVERSITIES

Arizona State University  
Boston University  
Brown University  
Carnegie Mellon University  
Columbia University  
Cornell University  
Duke University  
Fielding Graduate University  
George Mason University  
Georgetown University  
Harvard University  
Indiana University  
Johns Hopkins University  
Massachusetts Institute of Technology  
Michigan State University  
North Carolina State University  
Northwestern University  
Pennsylvania State University  
Princeton University  
Rutgers, The State University of New Jersey  
Stanford University  
Texas A&M University  
The Ohio State University  
University of Arizona  
University of California, Berkeley  
University of California, Irvine  
University of California, Los Angeles  
University of California, Santa Barbara  
University of Colorado, Boulder  
University of Chicago

University of Georgia  
University of Illinois  
University of Iowa  
University of Maryland  
University of Michigan  
University of Minnesota  
University of Nebraska, Lincoln  
University of North Carolina, Chapel Hill  
University of Oklahoma  
University of Pennsylvania  
University of Pittsburgh  
University of Texas, Austin  
University of Texas, San Antonio  
University of Virginia  
University of Washington  
University of Wisconsin, Madison  
Virginia Tech  
Yale University

## CENTERS & INSTITUTES

American Academy of Arts and Sciences  
American Academy of Political and Social Science  
Center for Advanced Study in the Behavioral Sciences  
Cornell Institute for Social and Economic Research  
Institute for Social Research, University of Michigan  
Institute for Social Science Research, University of  
Massachusetts, Amherst  
NORC at the University of Chicago  
RTI International  
Social Science Research Council



# Quick Questions

Use the chat box to ask a question.



More opportunities for Q&A at the end.



# This Month's Headlines



## CONGRESS

- House Committee Approves FY 2020 Spending for NIH, CDC, BLS, AHRQ, ED
  - More: [www.cossa.org/2019/05/14/house-committee-approves-fy-2020-spending-for-nih-cdc-bls-ahrq-ed/](http://www.cossa.org/2019/05/14/house-committee-approves-fy-2020-spending-for-nih-cdc-bls-ahrq-ed/)
- House NSF, Census, DOJ bill expected this week
  - More: [www.cossa.org/advocacy/funding-updates](http://www.cossa.org/advocacy/funding-updates)

## EXECUTIVE BRANCH

- National Science Board Accepting Nominations
  - More: [www.nsf.gov/nsb/index.jsp](http://www.nsf.gov/nsb/index.jsp)
- Minerva Initiative Releases 2019 Funding Opportunity Announcement, Topics of Interest
  - More: [www.cossa.org/2019/05/14/minerva-initiative-releases-2019-funding-opportunity-announcement-topics-of-interest/](http://www.cossa.org/2019/05/14/minerva-initiative-releases-2019-funding-opportunity-announcement-topics-of-interest/)
- NSF Seeks Nominations for Advisory Committees
  - More: [www.cossa.org/2019/04/29/nsf-seeks-nominations-for-advisory-committees-2/](http://www.cossa.org/2019/04/29/nsf-seeks-nominations-for-advisory-committees-2/)
- NIH Seeks Examples of Behavioral and Social Science Accomplishments
  - More: <https://obsr.ideascale.com/>



## COMMUNITY

- National Academies Seeking Community Input on First Phase of Alzheimer's Decadal Survey
  - More: [http://sites.nationalacademies.org/DBASSE/BBCSS/DBASSE\\_192126](http://sites.nationalacademies.org/DBASSE/BBCSS/DBASSE_192126)
- National Academies Releases Reproducibility and Replicability in Science Report
  - More: [www.nap.edu/catalog/25303/reproducibility-and-replicability-in-science](http://www.nap.edu/catalog/25303/reproducibility-and-replicability-in-science)

## COSSA

- 70+ social science advocates on Capitol Hill!
  - More: [www.cossa.org/event/2019-advocacy-day](http://www.cossa.org/event/2019-advocacy-day)
- Development Scholar Joseph Assan Answers "Why Social Science?"
  - More: [www.whysocialscience.com](http://www.whysocialscience.com)
- Testimony submitted on FY 2020 science funding
  - More: [www.cossa.org/advocacy/funding-updates](http://www.cossa.org/advocacy/funding-updates)



WASHINGTON UPDATE  
Subscribe for more news: [www.cossa.org/washington-update](http://www.cossa.org/washington-update)

# Quick Questions

Use the chat box to ask a question.



More opportunities for Q&A at the end.

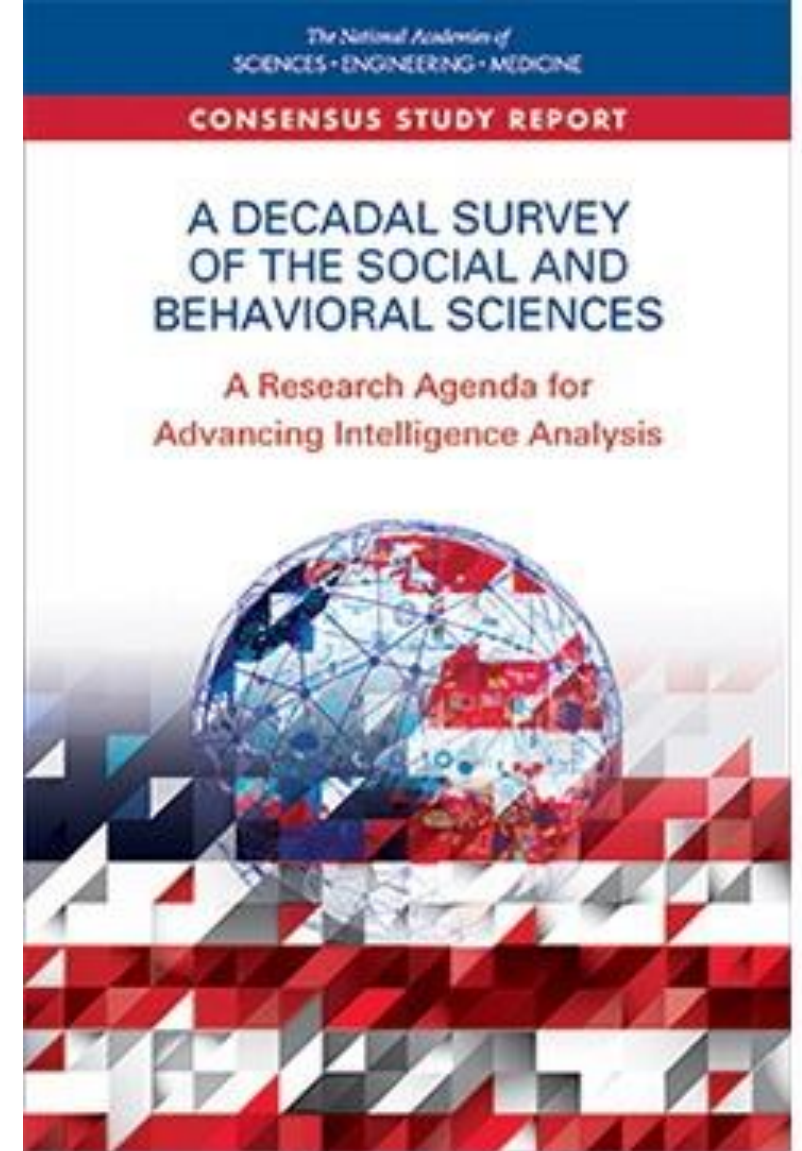




Deep Dive



A Decadal Survey of the Social and Behavioral Sciences: *A Research Agenda for Advancing Intelligence Analysis*



*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

BOARD ON BEHAVIORAL, COGNITIVE, AND SENSORY SCIENCES  
DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES AND EDUCATION

# **A Decadal Survey of the Social and Behavioral Sciences: A Research Agenda for Advancing Intelligence Analysis**

**Sponsored by the Office of the Director of National Intelligence**

# U.S. National Academy of Sciences Charter (1863)



“The Academy shall, whenever called upon by any department of the government, investigate, examine... and report upon any subject of science or art ,...”

# Independent Policy Advice

- Non-profit, 501 c(3) organization
- No direct federal appropriations
- Approximately 200 reports per year, 85% federal
- Six major programs, organized by scientific disciplines
  - *Division of Behavioral and Social Sciences and Education*
  - *Division of Earth and Life Sciences*
  - *Division on Engineering and Physical Sciences*
  - *Health and Medicine Division (HMD)*
  - *Policy and Global Affairs Division (PGA)*
  - *Transportation Research Board (TRB)*

# What is a Decadal Survey?

- Signature type of study conducted by the National Academies
- Gather ideas and feedback from the research community to shape future research initiatives
- The National Academies have conducted over fifteen decadal surveys since 1964, most in the physical sciences

# Statement of Task

Identify opportunities in SBS research that can contribute significantly to the intelligence community's analytic responsibilities.

- Support ODNI in developing 10-year research agenda
- Guidance for integrating SBS research



# Two Tracks

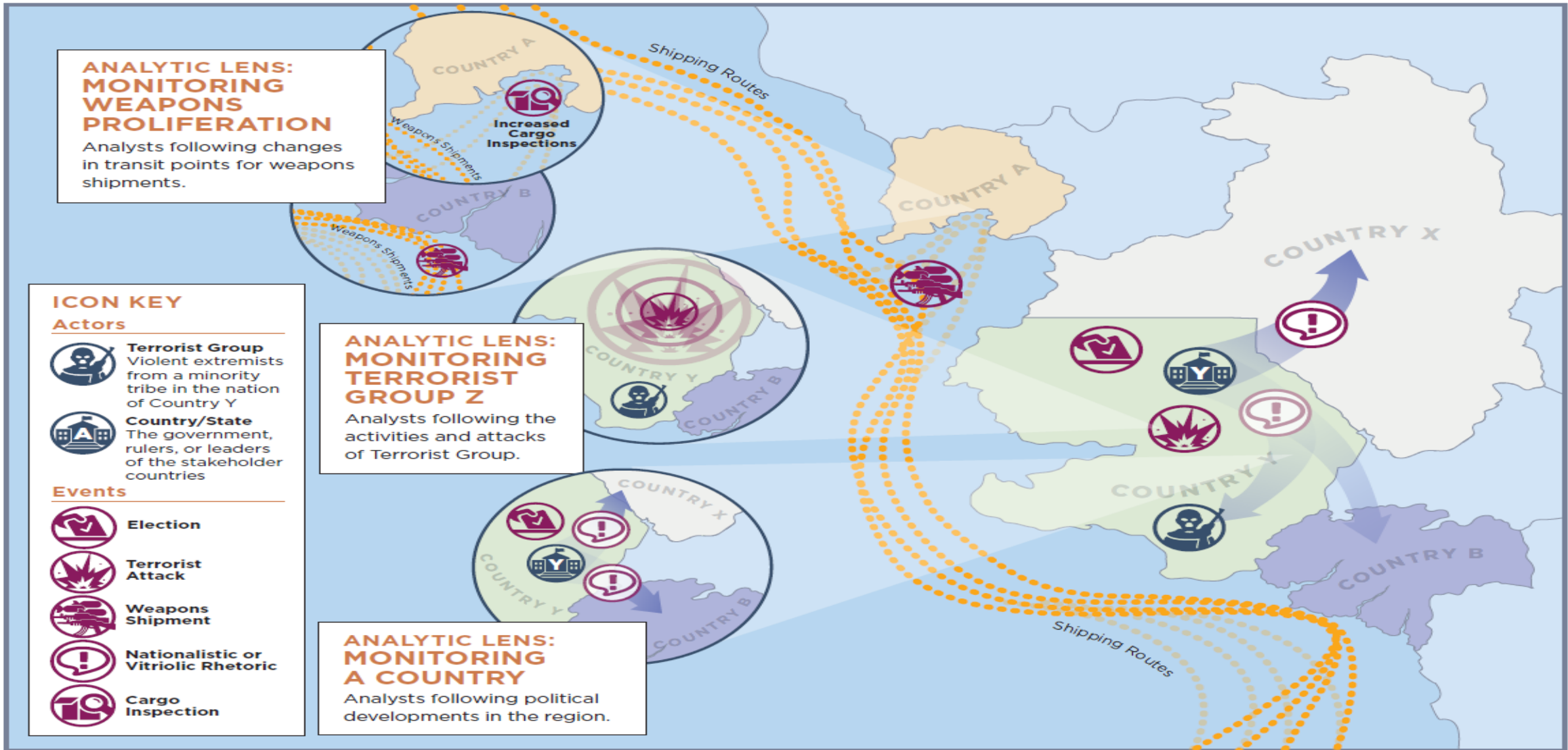
- Understand IC's needs—how analysts do their work
- Explore the SBS landscape for relevant research

# Study Committee

<b>Paul Sackett (Chair)</b>	Department of Psychology, University of Minnesota
<b>Gary Berntson</b>	Emeritus Academy Professor of Psychology, Department of Psychology, The Ohio State University
<b>Kathleen Carley</b>	School of Computer Science, Institute for Software Research, Carnegie Mellon University
<b>Noshir Contractor</b>	McCormick School of Engineering & Applied Science, School of Communication, Kellogg School of Management, Northwestern University
<b>Nancy Cooke</b>	The Polytechnic School, IRA A. Fulton Schools of Engineering, Arizona State University
<b>Barbara Doshier (NAS)</b>	Department of Cognitive Sciences, University of California, Irvine
<b>Jeffrey Johnson</b>	Department of Anthropology, University of Florida
<b>Sallie Keller</b>	Social and Decision Analytics Division, Biocomplexity Institute, University of Virginia

<b>David Matsumoto</b>	Department of Psychology, College of Science and Engineering, San Francisco State University
<b>Carmen Medina</b>	MedinAnalytics, LLC
<b>Fran Moore</b>	The Financial Systemic Analysis and Resilience Center
<b>Jonathan Moreno (NAM)</b>	Pearlman School of Medicine, Department of Medical Ethics & Health Policy, University of Pennsylvania
<b>Joy Rohde</b>	Gerald R. Ford School of Public Policy, University of Michigan
<b>Jeffrey W. Taliaferro</b>	Department of Political Science, Tufts University
<b>Gregory F. Treverton</b>	School of International Relations, University of Southern California
<b>Jeremy Wolfe</b>	Brigham & Women's Hospital, Departments of Ophthalmology and Radiology, Harvard Medical School





# Input from the Research Community

SBS Decadal Summit	<ul style="list-style-type: none"><li>• Public Launch event held October 4-5, 2016</li><li>• Proceedings published April 2017</li></ul>
White Papers - 1 <sup>st</sup> call	<ul style="list-style-type: none"><li>• Challenges to IC in terms of SBS research; Nov 2016 to Feb 2017</li></ul>
White Papers - 2 <sup>nd</sup> call	<ul style="list-style-type: none"><li>• Research concepts, methods, tools, techniques, new ideas to advance challenge areas; Apr to June 2017</li></ul>
Six Committee Meetings	<ul style="list-style-type: none"><li>• 2017 and 2018</li></ul>
Six Public Workshops	<ul style="list-style-type: none"><li>• October 11, 2017 and January 24, 2018</li><li>• Each with written Proceedings published in 2018</li></ul>
Public Website	<ul style="list-style-type: none"><li>• <a href="http://nas.edu/SBSDecadalSurvey">http://nas.edu/SBSDecadalSurvey</a></li></ul>
Town Hall Meetings	<ul style="list-style-type: none"><li>• SRA Roundtable Dec 2017</li><li>• Virtual Town Hall - IdeaBuzz Oct 2017 to Mar 2018</li></ul>

# Criteria

Potential for impact  
on urgent national  
security priorities

Strength of the  
supporting evidence  
base

Use or development  
of emerging data  
sources, methods,  
or other technical  
advances

Technical readiness  
- how close to  
application?

Together, SBS research and technological advances and applications can support stronger, richer, more nuanced, more accurate, and more efficient intelligence assessments.

# Four Opportunities

Emerging ways to answer intelligence questions

Enhancing security in cyberspace

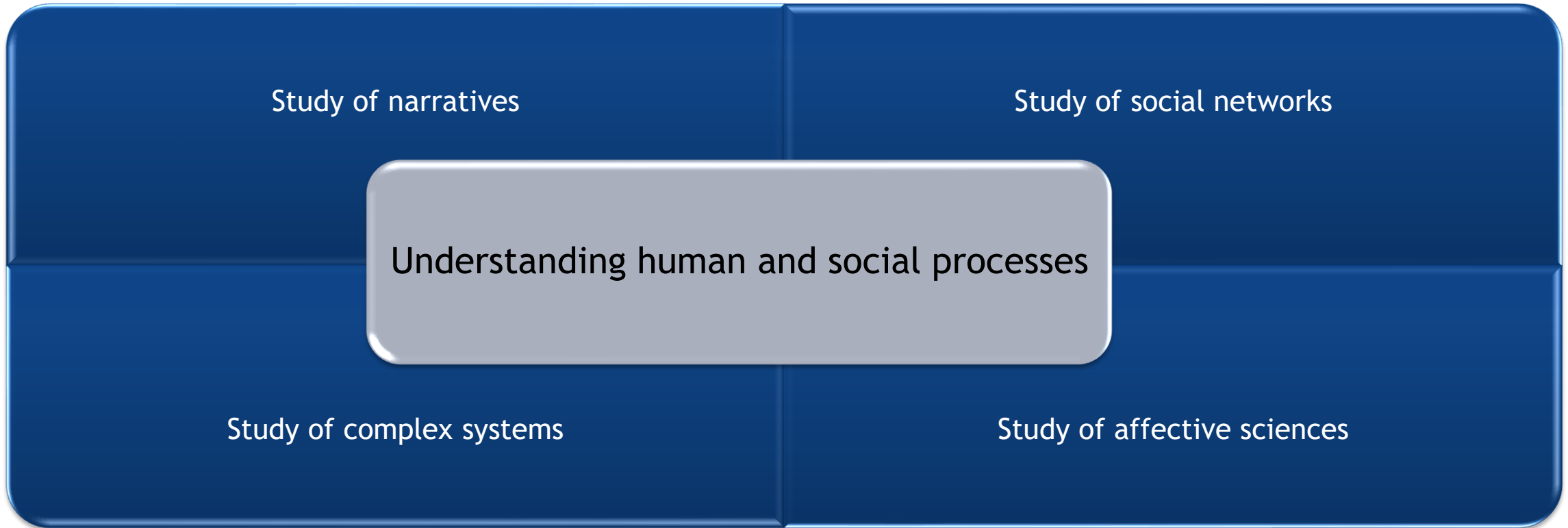
Optimal design of a human-machine ecosystem

Preparing the analytic workforce for future challenges

# Emerging ways to answer intelligence questions



# Research Areas



# Enhancing security in cyberspace





# Social Cybersecurity

Uniting cybersecurity insights with research about fundamentally human phenomena to optimize readiness for evolving security threats, helping the IC to:

- Understand cyber-mediated developments
- Build infrastructure to protect and defend

# Research Opportunities

- Social Cyberforensics - Who is conducting social cyber attacks?
- Information Maneuvers - Identifying strategies used in social cyber attacks
- Information Diffusion - Tracking attackers and impact across social media platforms
- Quantifying Effectiveness of Information Campaigns
- Identifying Those Most at Risk of Attack
- Most Effective Responses to Attacks

# Optimal design of human-machine ecosystems



# The vision

Collaborators  
& teammates



# Interdisciplinary work that brings together SBS researchers and experts in AI and computer science/engineering to consider

- Human capacities (e.g., attention limits, workload and interruptions)
- Human-machine interactions (e.g., decision support, trust, data visualizations)
- Human-technology teaming (e.g., task allocation, shared mental models, teams “on the fly”)
- Human-systems integration (e.g., system effectiveness, training)

# Strengthening the analytic workforce



# Applying Research Foundations to the IC Context

- Identifying, recruiting, and selecting individuals likely to succeed as intelligence analysts
- Retaining effective employees
- Providing training and other means to develop workforce skills and abilities
- Obtaining optimal performance by supporting the analytic workforce

# Strengthening ties between the SBS community and IC





# Lessons

- Careful attention to transparency in funding relationships
- Balance norms and procedures of academia with need to protect security
- Pursue clarity and consensus regarding values and ethics
- Engage in ongoing dialogue concerning research ethics in new research domains/with new technology

# Related Themes in SBS Research

- Moving beyond silos—value of inter- and cross-disciplinary work
- Understanding human element is critical to success

SBS research offers a fundamental—  
indeed essential—contribution to  
the mission of the IC

# Recommendation

- The IC should make sustained collaboration with researchers in the SBSs a key priority as it develops research objectives for the coming decade. A multipronged effort to integrate the knowledge and perspectives of researchers from these fields into the planning and design of efforts to support intelligence analysis is needed. Effective interchange is likely to involve:

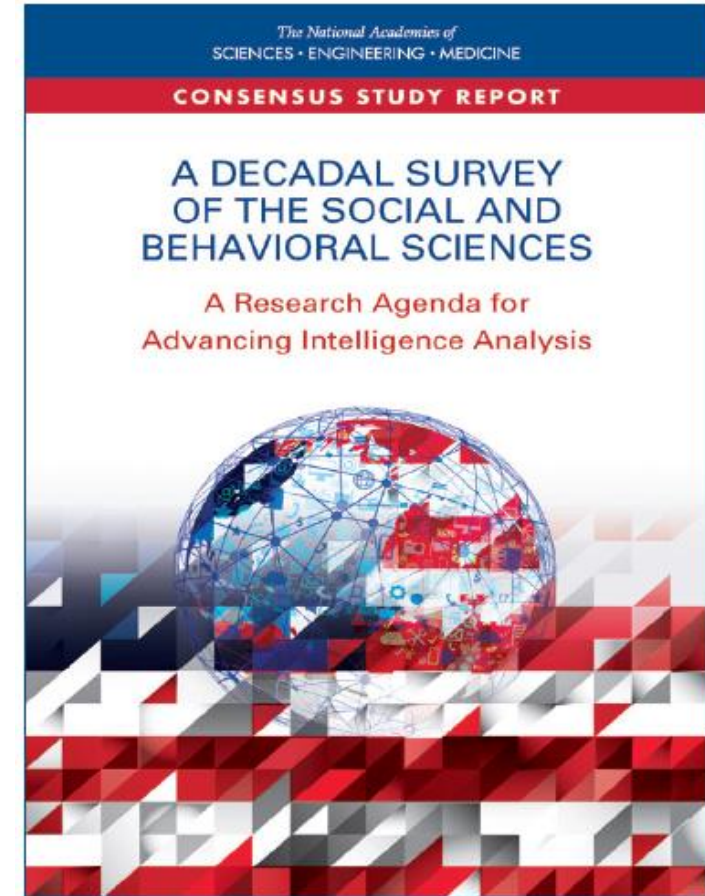
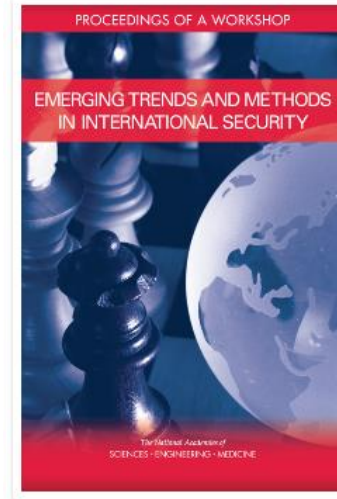
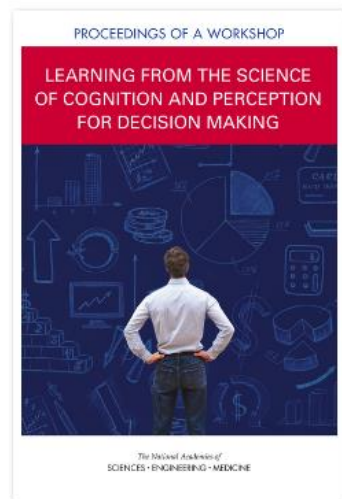
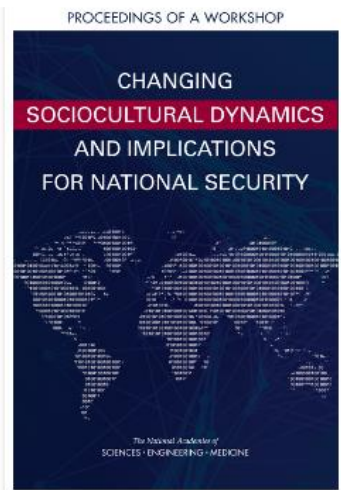
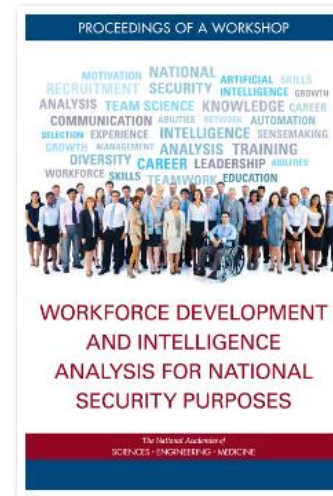
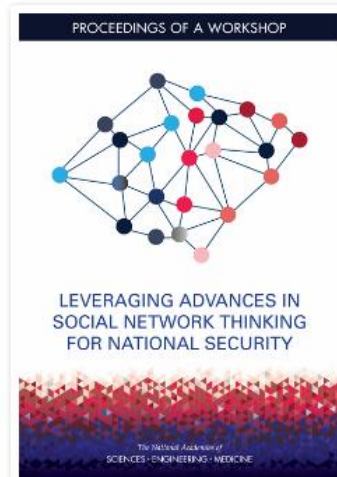
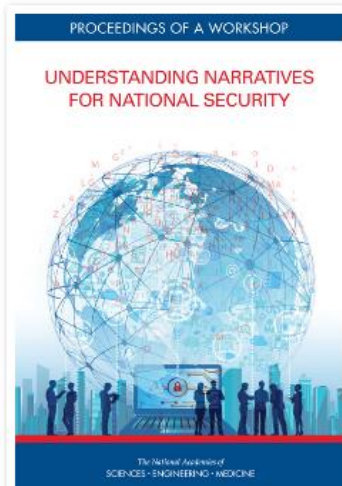
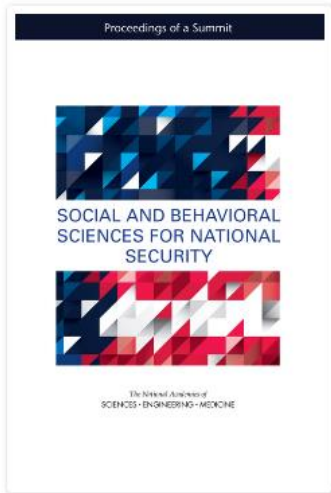
Identifying and building on successful collaborations

Strengthening bridges between SBS community and IC

Providing opportunities for analytic staff to build SBS knowledge

Drawing on principles of human-systems integration

# Study Publications - [www.nap.edu](http://www.nap.edu)



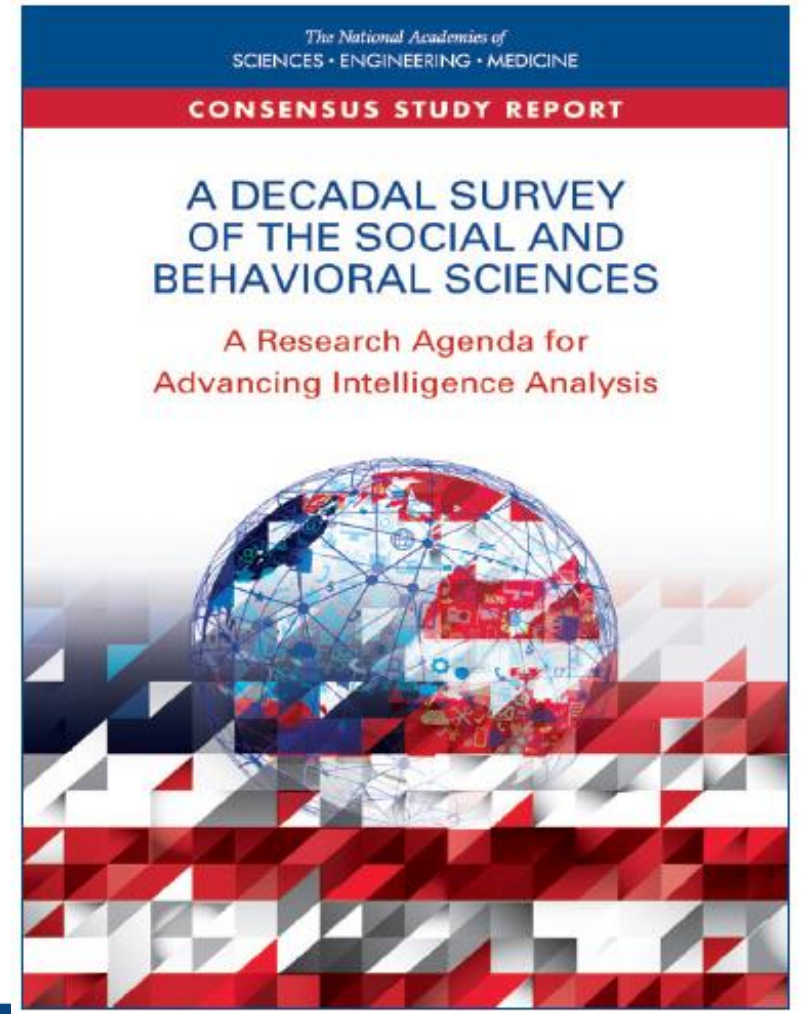
# Thank You!

## ➤ Report is Available!

- <https://www.nap.edu/catalog/25335>
- Visit our website for study information and report highlights

<http://nas.edu/SBSDecadalSurvey>

- Reach us [SBSDecadalSurvey@nas.edu](mailto:SBSDecadalSurvey@nas.edu)



# Discussion



Let's hear from you!

If using computer microphone: **raise your hand!**

**Step 1: select "participants"**

**Step 2: select "raise hand"**

**(may be in sidebar)**

**Step 3: after you're unmuted, ask your question!**

If using telephone audio/microphone: **put your question in the chat box!**



# Homework



## **ACTION ALERTS:**

- Raise the Caps
- Reject Citizenship Question in 2020 Census
- Support SBS Funding
- More: [www.cossa.org/advocacy/take-action](http://www.cossa.org/advocacy/take-action)

## Submit Examples of Behavioral and Social Science Accomplishments to NIH (and COSSA!)

- More: <https://obssr.ideascale.com>

## Reach out to NASEM staff to share ideas for future engagement

- Email: [SBSDecadalSurvey@nas.edu](mailto:SBSDecadalSurvey@nas.edu)





# COSSA HEADLINES

A monthly look at what's new and noteworthy in social science policy

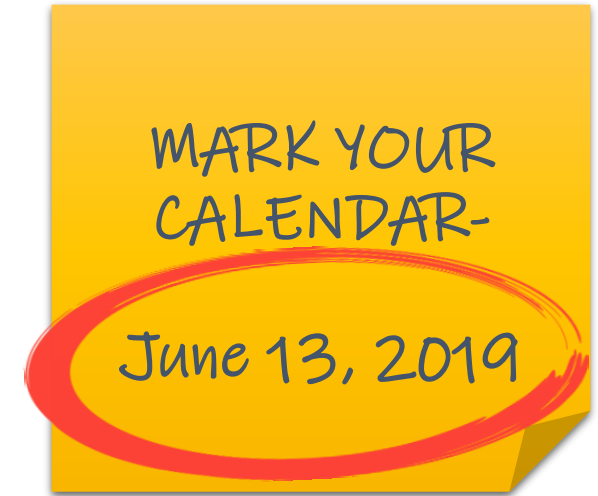


## Next Month:

- June's HEADLINES
- DEEP DIVE: TBD

**Miss last month's Headlines?**

[www.cossa.org/resources/headlines](http://www.cossa.org/resources/headlines)





Find this useful?

- Tune in** each month – 2<sup>nd</sup> Thursday
- Tell your colleagues to **sign up for COSSA Member Messages and Alerts— MEMBERS ONLY** (*email Julia at [jmilton@cossa.org](mailto:jmilton@cossa.org)*)
- Encourage other organizations and universities to **Join COSSA** (*email Wendy at [wnaus@cossa.org](mailto:wnaus@cossa.org)*)
- Send us your ideas** for DEEP DIVES (*email Camille at [chosman@cossa.org](mailto:chosman@cossa.org)*)



CONSORTIUM *of* SOCIAL SCIENCE ASSOCIATIONS

Wendy Naus

Executive Director

Email: [wnaus@coffa.org](mailto:wnaus@coffa.org)

Visit Us:

[www.coffa.org](http://www.coffa.org)

[www.whysocialscience.com](http://www.whysocialscience.com)



@COSSADC ★ #WhySocialScience



@SocialScienceAssociations