# CEF06 Topical Group Report Outline, Status, and Plans

Snowmass CEF Workshop 24 May 2022

# **Group Activity Overview**

- 3 white papers were drafted by the group, as the group
  - Congressional advocacy for HEP funding (The "DC Trip")
  - Congressional advocacy for areas beyond HEP funding
  - Non-Congressional government engagement
- Our group report was drafted starting from chunks of the white papers grafted together and pared down. Goals:
  - Single narrative throughout report touching on all aspects of present and (hypothetical) future
     HEP advocacy
  - Minimal background information which is thoroughly documented in white papers

## CEF06 White Paper 1: Congressional advocacy for HEP funding (The "DC Trip")

List of authors: Mateus Carneiro, Richie Diurba, Rob Fine, Ketino Kaadze, Kevin Pedro, Alex Perloff, Louise Suter, Shawn Westerdale

Contents			Community and advocacy materials 4.1 HEP community communication materials	
2	Introduction  Brief overview of how the U.S. HEP program is funded	3	Other interactions with government officials 5.1 HEP-specific activities	20
3	Details of current HEP community advocacy 3.1 History	5 6 6 7 7 8 8 8 8 9 10 10 12 13	Discussed HEP community advocacy improvements 6.1 Continuity and Succession of Trip Leadership 6.2 Accurate Community Representation 6.3 Expanded time frame for year-round activities 6.4 HEP Advocacy technical tools/logistics 6.4.1 Washington High Energy Physics Integrated Planning System 6.4.2 Grants Database, Other 6.5 Advocacy Diagnostics 6.5.1 Diagnostics to Characterize HEP Advocacy 6.5.2 Early Career survey - impact of HEP on US STEM workforce 6.6 Community Awareness about Advocacy Efforts 6.6.1 Summarizing the DC trip each year 6.6.2 Advocacy Training Materials and Support 6.6.3 HEP community communication materials  Bigger-Picture Advocacy Questions 7.1 Increasing R&D funding 7.2 Grant and research issues 7.3 Grant and research reform 7.4 Impact of increasing "projectification" and targeted funding 7.5 Authorization vs. appropriation	21 22 23 23 24 24 24 25 25 25 26 27 29 31
			<ul> <li>7.6 Congressional view of Department of Energy science</li> <li>7.7 Summary of bigger-picture discussion</li> <li>Conclusion</li> </ul>	

## CEF06 White Paper 2: Congressional advocacy for areas beyond HEP funding

List of authors: Richie Diurba, Rob Fine, Kevin Pedro, Alexx Perloff, Breese Quinn, Louise Suter, Shawn Westerdale

#### **Contents**

1	Introduction	2				
2	2 Legislative Topics that Impact Particle Physics 2.1 Implicit Advocacy in Community Materials					
3	Government Relations Resources Available to the Community 3.1 Opportunities for Expanding the Use of Existing Resources	<b>6</b> 7				
4	Summary of Snowmass discussions on HEP community driven advocacy 4.1 Policy Areas Impacting the U.S. HEP Community 4.2 Choice of Topics for Advocacy 4.3 Defining Community Consensus 4.4 APS Resources for Advocacy 4.5 Utilization of Current Framework for Additional Advocacy 4.6 Impact to Current (Funding) Advocacy 4.7 Outreach to the Community	8 9 10 10 11 11 12				
5	Conclusion	13				

## CEF06 White Paper 3: Non-Congressional government engagement

List of authors: Ashley Back, Richard Diurba, Rob Fine, Mandeep Gill, Harvey Newman, Kevin Pedro, Alexx Perloff, Louise Suter

#### **Contents**

1	Introduction	2	5	Local advocacy	2
				5.1 Case studies of state official engagement	2
2	Engagement with funding agencies	2		5.2 Summary of Snowmass discussions	
	2.1 Funding for research	4		,	
	2.2 Federal Advisory Committees	5	6	Summary	2
	2.2.1 High Energy Physics Advisory Panel	6		4	
	2.2.2 Astronomy and Astrophysics Advisory Committee	7			
	2.2.3 Particle Physics Project Prioritization Panel	7			
	2.2.4 Committees of Visitors	8			
	2.3 Current Mechanisms for Community Feedback	8			
	2.3.1 Funding-Agency-Driven Feedback Mechanisms	9			
	2.3.2 Community-Driven Feedback Mechanisms	10			
	2.4 Items of concern that have raised during discussion	10			
3	Engagement with Executive Office of the President	11			
_	3.1 Current Community Engagement with OSTP and OMB	14			
	3.2 Improvements to Community Engagement with OSTP and OMB				
	o.2 improvements to community Engagement with Corr and OMD	13			
4	Advocacy with Influential Persons and Groups	17			
	4.1 Strengthening our Connections to Influential Persons and Groups	18			
	4.2 Engagement of industry to support HEP funding				
	4.3 Engagement with National Lab Directors				
	200000000000000000000000000000000000000	-/			

# Report Outline I

#### 1. Executive Summary

- Key Questions
- Findings
- Recommendations
- To-do: Identify "Key Questions" and "Findings"
- Q: Are we taking a standardized approach to this across CEF?

#### 2. Introduction

- Establish context for HEP advocacy, introduce important concepts such as P5, HEPAP
- Recommendation 1

### 3. Summary of how US HEP is funded

- Self-explanatory
- Q: Should be subsection of intro?

# Report Outline II

## 4. Congressional Advocacy for HEP funding

- Recommendation 2
- Overview of annual advocacy effort (the "DC Trip")
- To-do: Standardize formatting of this section w/r/t others; recommendations always at end of section or spread throughout?

#### 5. HEP communication and outreach materials

- Recommendation 3
- Overview of standing effort to maintain up-to-date outreach materials for community;
   connection to advocacy effort/budget cycle

# Report Outline III

### 6. Utilizing the Advocacy Resources available to HEP community

- Recommendation 4
- Discussion of non-funding topics that affect the HEP community; summary of discussions that took place about how we can act in these areas; list of resources maintained outside of the community that can be utilized
- Basic research and grant reform
- Social issues reform
- Summary of Resources
- To-do: This section needs some work

### 7. Community engagement with the Funding Agencies

- Recommendation 5
- Summary of existing channels of communication b/w community and funding agencies;
   summary of discussions about how to improve/expand communication
- Grant Reform
  - i. Project Reform

## Report Outline IV

#### 8. Expanding government engagement

- Recommendation 6
- This is where the rest of white paper 3 (that doesn't cover community interactions with the funding agencies) is summarized
- Executive Branch engagement
- Local/State government advocacy

#### 9. Conclusions

To-do: write this

## Draft Recommendations 1,2

**Recommendation 1-** Policy advocacy and support for HEP are firmly dependent on a unified voice and community support for the P5.

- a) P5 must develop a plan which enables community support.
- b) The community must unite behind the P5 report and present a unified front in all aspects.

**Recommendation 2 -** Support and grow the annual HEP Congressional advocacy effort.

The annual HEP advocacy effort is essential to increasing knowledge and interest of HEP in Congress. Participation in these efforts should be encouraged. The HEP community should support efforts for continued development and growth.

## Draft Recommendations 3,4

**Recommendation 3 -** Continue support for the HEP Communication materials

High quality and well-developed communication and outreach materials are essential for effective government outreach, and their quality reflects directly on how our field is perceived.

**Recommendation 4 -** Strengthen connections to APS, AIP, AAAS to advocate for D\&I, immigration, R\&D, basic science reform, and other areas that impact HEP

## Draft Recommendations 5,6

**Recommendation 5 -** Enable improved communication between funding agencies and community

**Recommendation 6 -** Work to improve community engagement with other areas of the government, especially with OMB/OSTP and with local government in areas with HEP facilities.