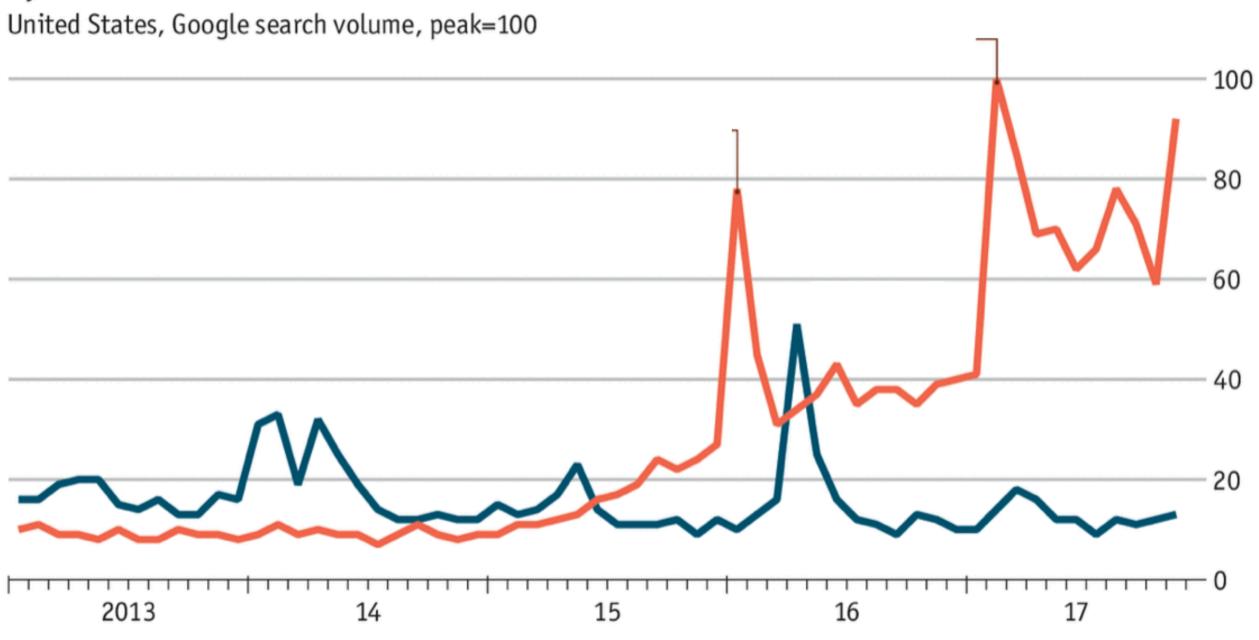
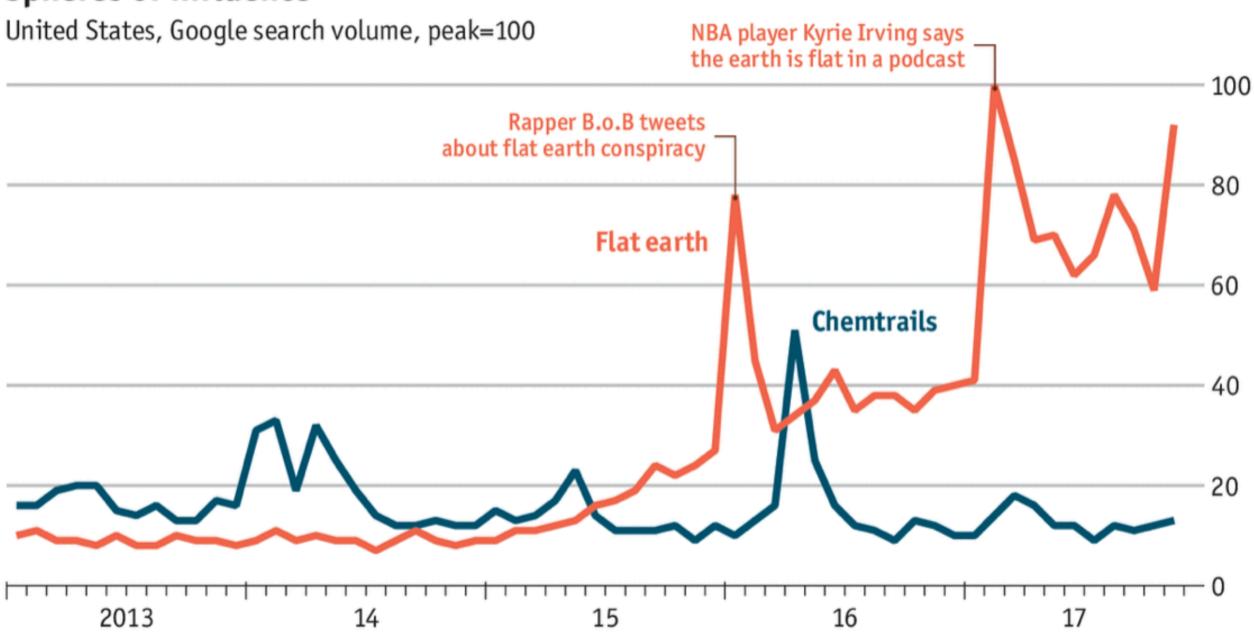
Spheres of influence



Source: Google Trends

Spheres of influence



Source: Google Trends (https://www.economist.com/graphic-detail/2017/11/28/americas-flat-earth-movement-appears-to-be-growing)

Day of Sociology 27 June 2019

"No room for thinking, under the dome". Flat earth and the boundary construction between science and non-science on Twitter.

Luca Carbone & Peter Achterberg

Core

Core

Periphery

Shortcomings:

- Origins and motives of non-science (Harambam & Aupers 2015, 2016)
- Classificatory power to demarcate systems of knowledge (Agrawal, 1995, 2002)

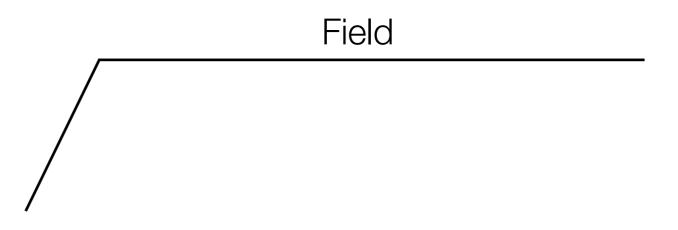
Shortcomings:

- Origins and motives of non-science (Harambam & Aupers 2015, 2016)
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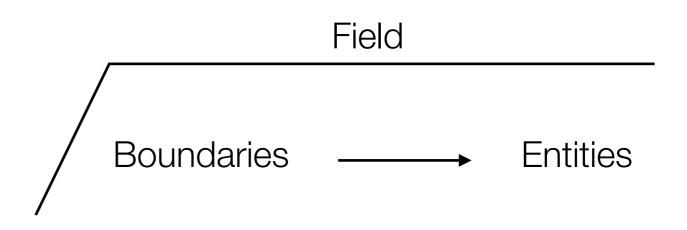
- Not only content-based (essentialist)
- Attention to representations: boundary-work (Gyerin, 1995)

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- Not only content-based (essentialist)
- Attention to representations: boundary-work (Gyerin, 1995)
- Twitter: symbolism, density
- Process (Abbott 1988, 1995)



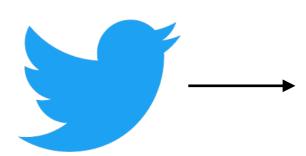
#FlatEarth (N = 7138)



(N = 7138)

Content analysis

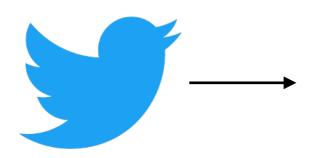
 $N_{coding\ schema} = 350$



(N = 7138)

Content analysis

 $N_{coding\ schema} = 350$

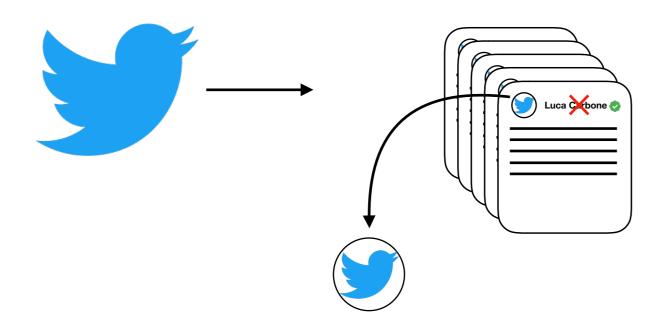




(N = 7138)

Content analysis

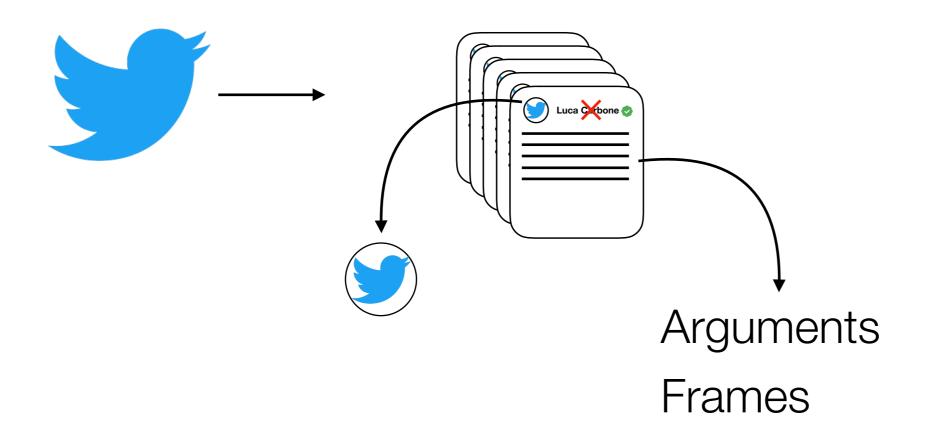
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(N = 7138)

Content analysis

 $N_{coding\ schema} = 350$



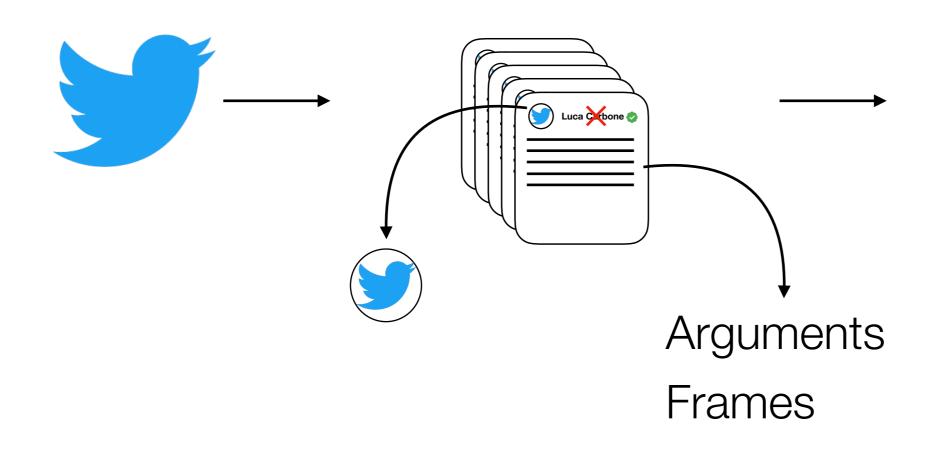
(N = 7138)

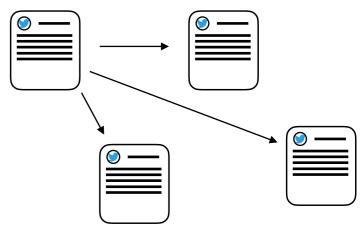
Content analysis

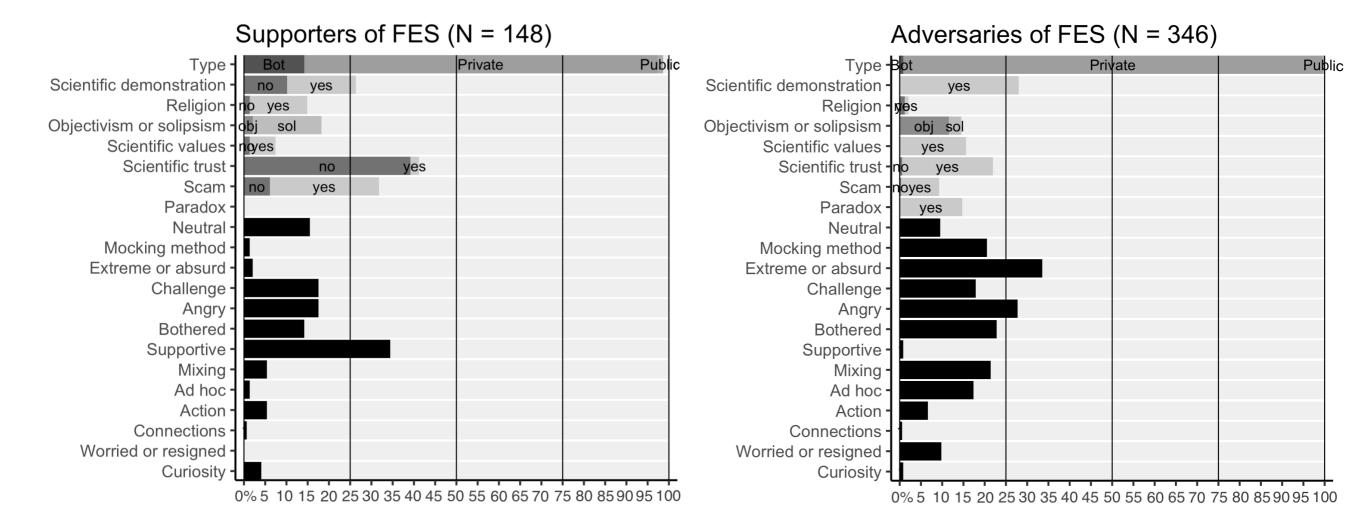
 $N_{\text{coding schema}} = 350$

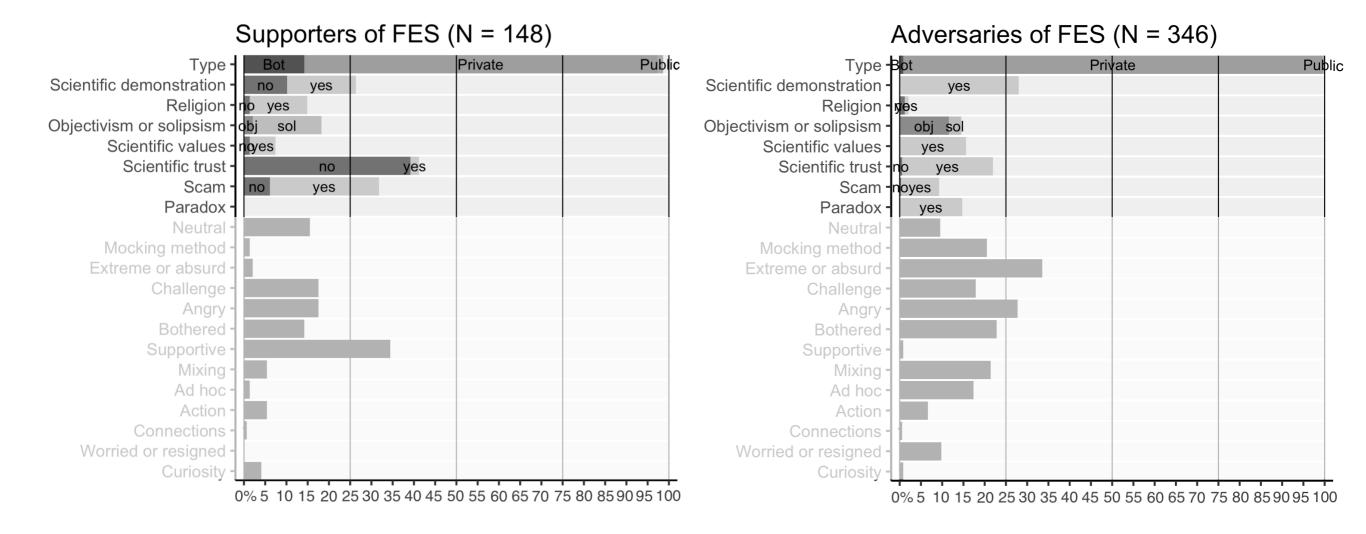
 $N_{main\ analysis} = 700$

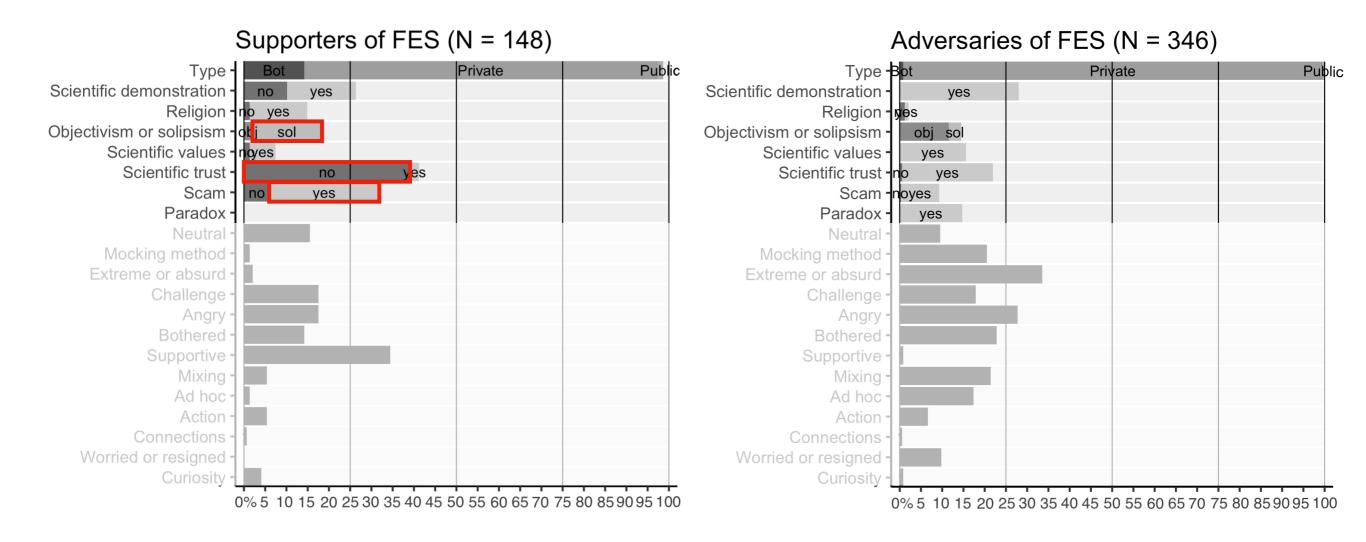
Discourse network analysis (Leifeld & Haunss, 2012)



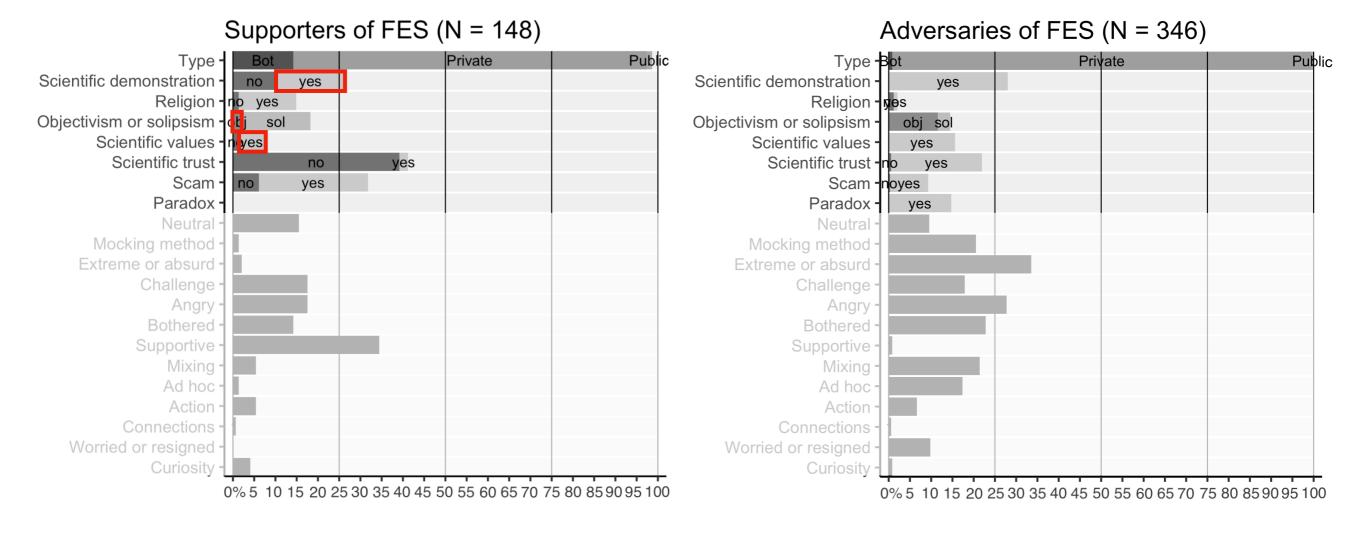






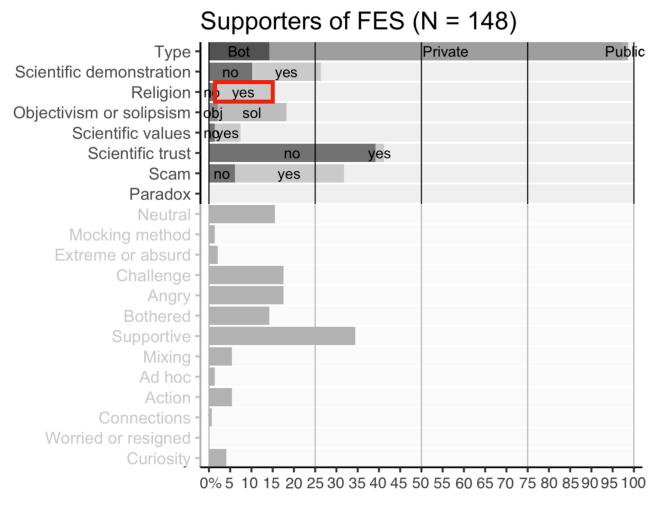


Conspiracy (27%)

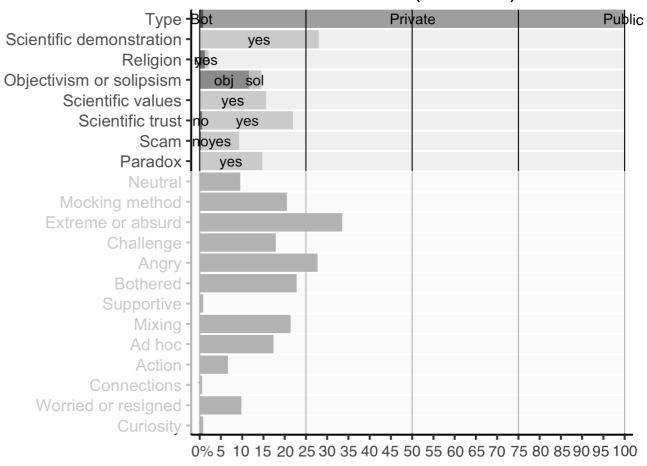


Conspiracy (27%)

Scientific (18%)



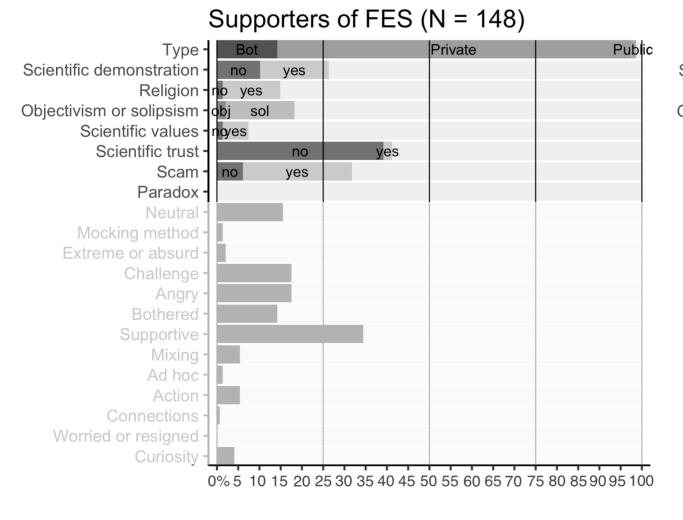




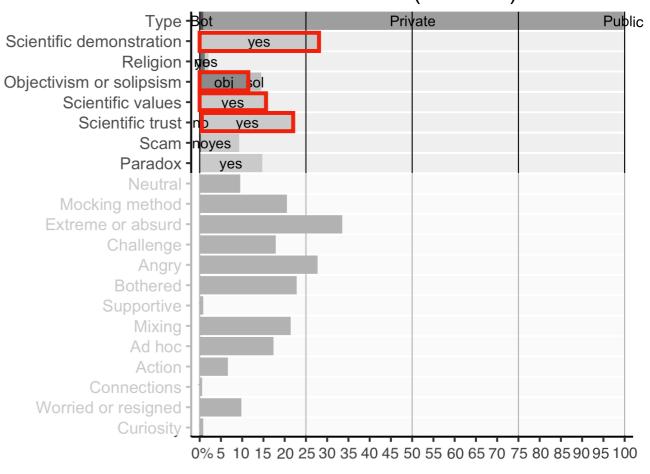
Conspiracy (27%)

Scientific (18%)

Religious (14%)







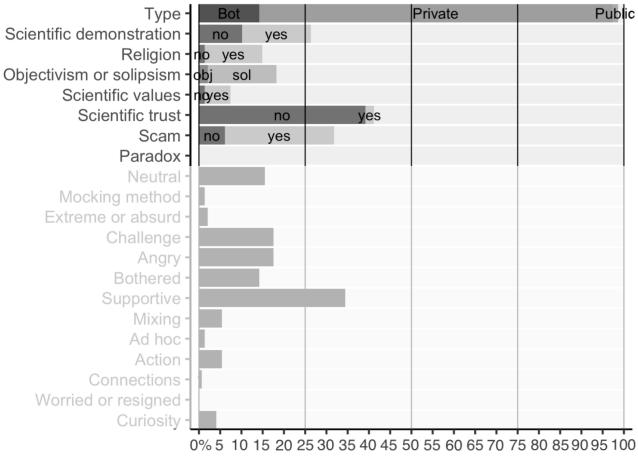
Conspiracy (27%)

Scientific (18%)

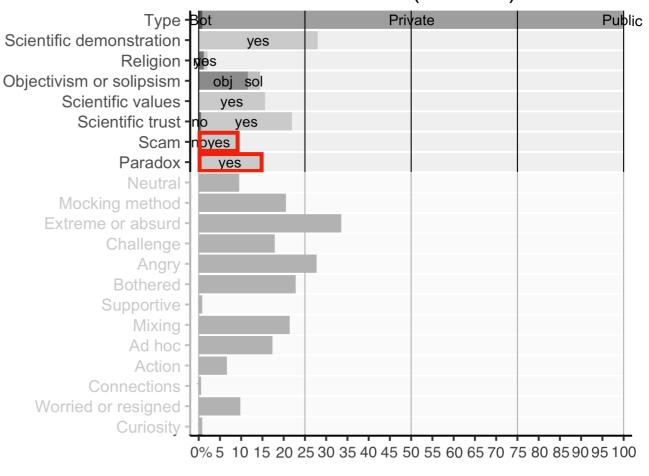
Religious (14%)

Debunkers (12%)





Adversaries of FES (N = 346)



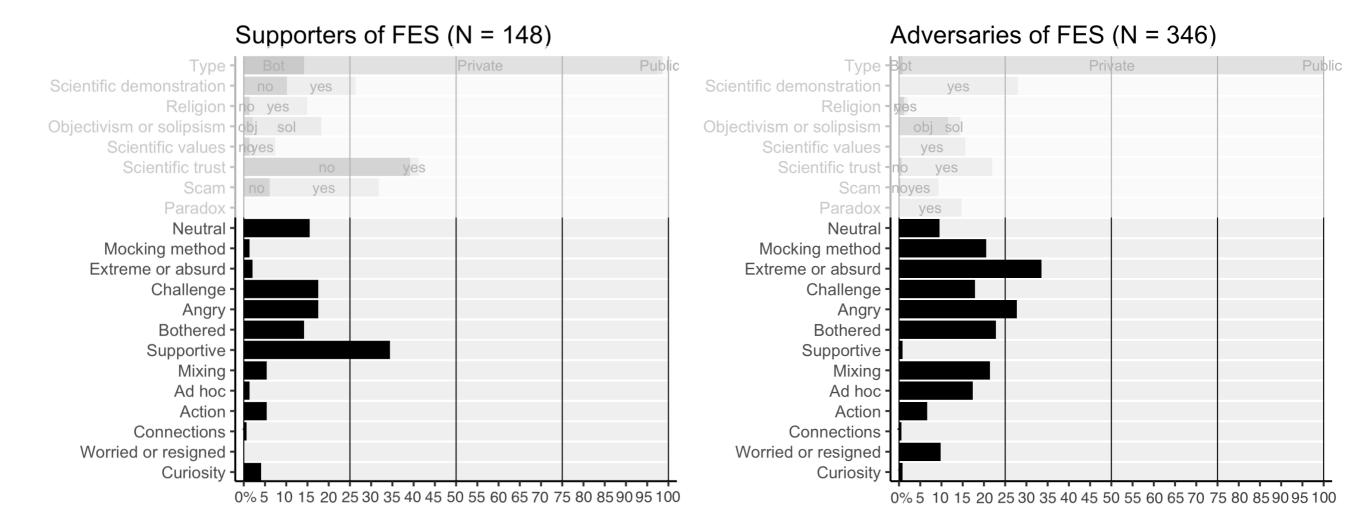
Conspiracy (27%)

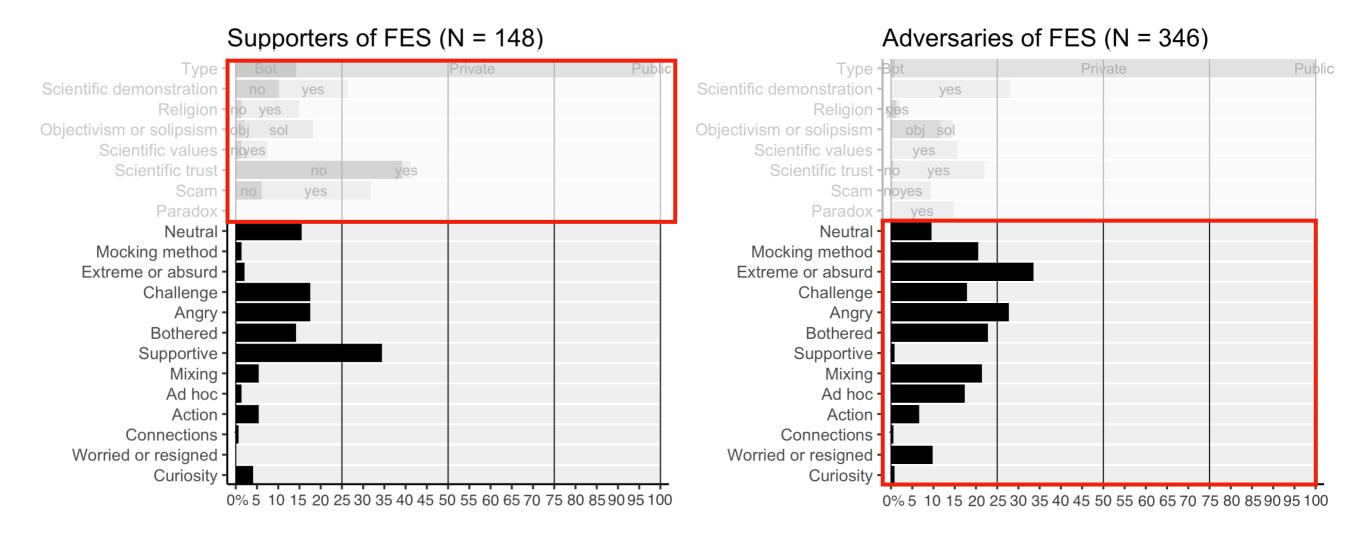
Scientific (18%)

Religious (14%)

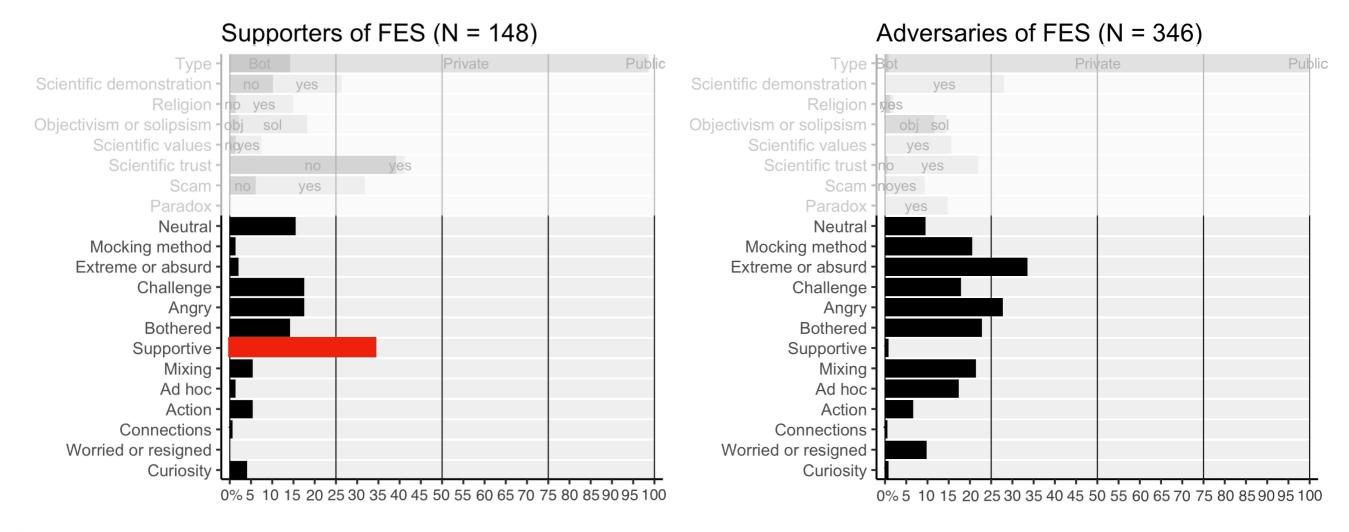
Debunkers (12%)

Skepticals (23%)



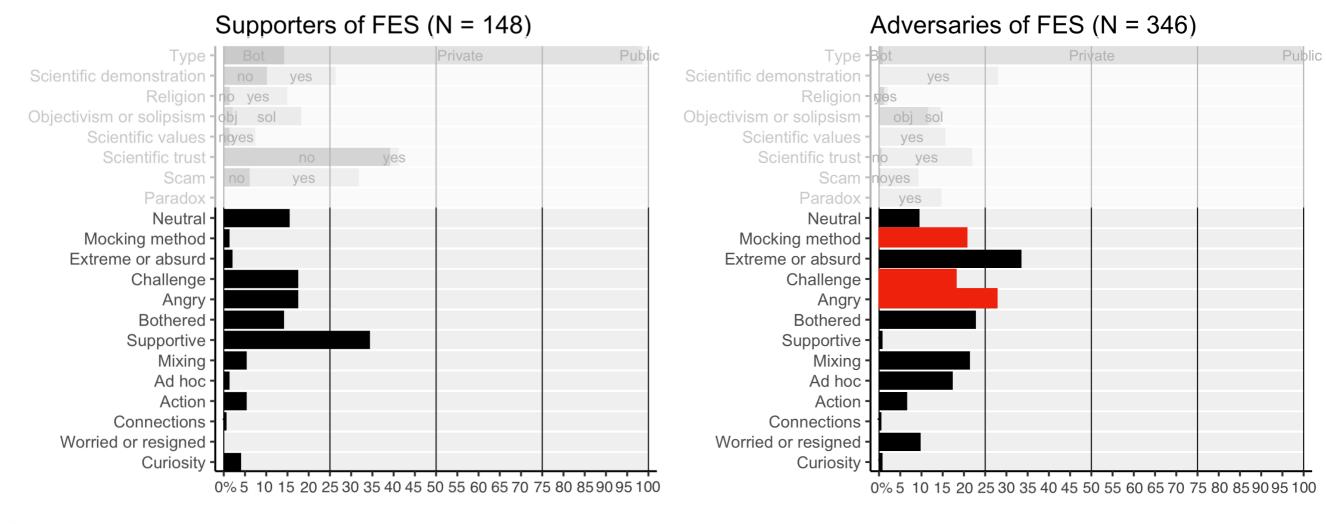


More active in framing strategies



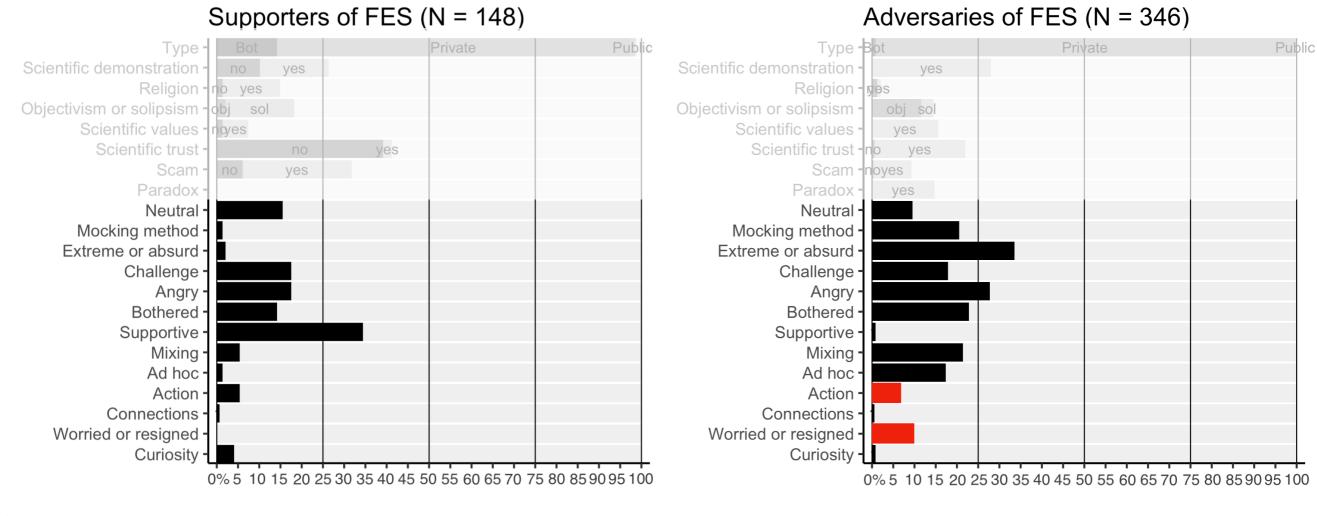
Social boundary: ingroup

More active in framing strategies



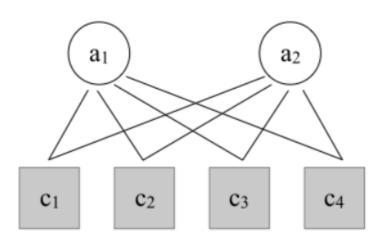
Social boundary: ingroup

More active in framing strategies
Social boundary: outgroup

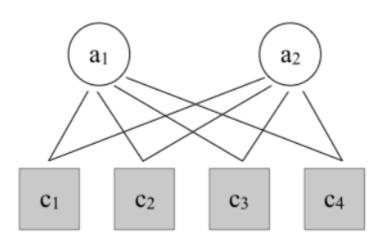


Social boundary: ingroup

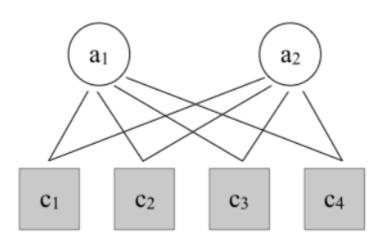
More active in framing strategies
Social boundary: outgroup
Normative boundary: educate or
ignore



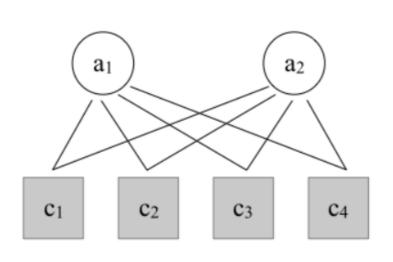
		Actor-Congruence	
Supporters	Modularity	0.33 +	
	Edge density	0.17 –	
Adversaries	Modularity	0.20 –	
	Edge density	0.34 +	



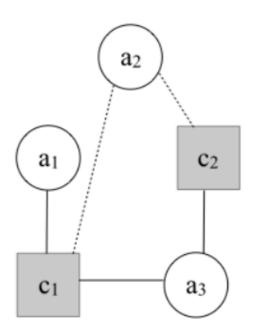
		Actor-Congruence	
Supporters	Modularity	0.33 +	
	Edge density	0.17 –	
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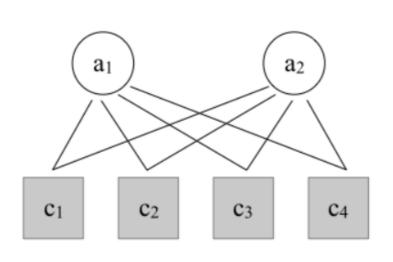
		Actor-Congruence	
Supporters	Modularity	0.33 +	
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Adversaries	Modularity	0.20 –	
	Edge density	0.34 +	



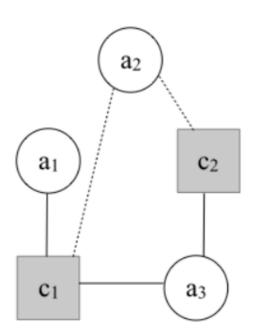
Conflict



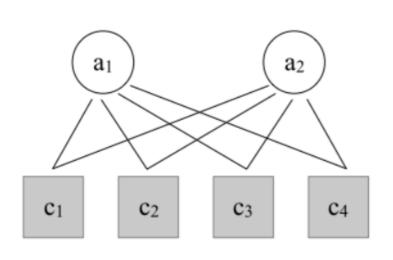
		Actor-Congruence	Conflict
Supporters	Modularity		0.18 –
	Edge density		0.15 –
Adversaries	Modularity	0.20 –	0.17 –
	Edge density	0.34 +	0.19 –



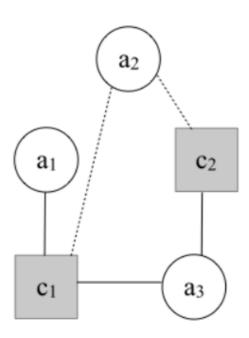
Conflict



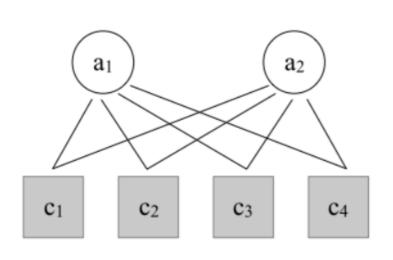
		Actor-Congruence	Conflict
Supporters	Modularity	0.33 +	0.18 –
	Edge density	0.17 –	0.15 –
Adversaries	Modularity	0.20 –	0.17 –
	Edge density	0.34 +	0.19 –



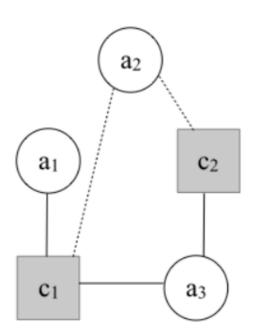
Conflict



		Actor-Congruence	Conflict
Supporters	Modularity	0.33 +	0.18 –
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Adversaries	Modularity	0.20 –	0.17 –
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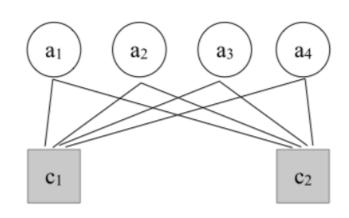


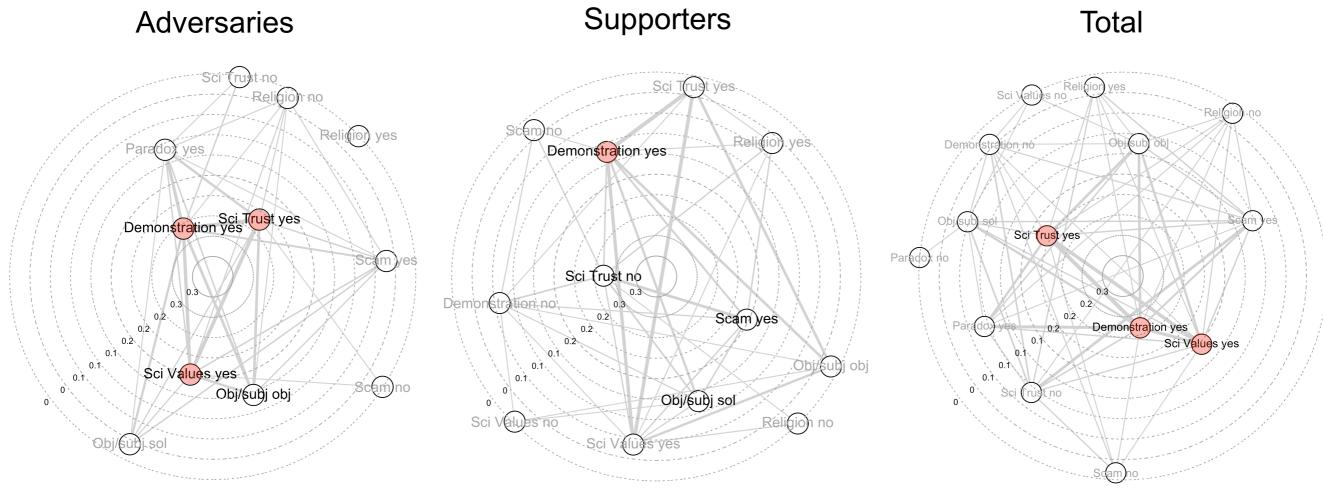
Conflict



		Actor-Congruence	Conflict
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Concept-congruence





1. Heterogeneity of positions

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- 2. Social and normative boundaries

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- 3. Entities:
 - supporters as pseudo-scientists
 - adversaries as gatekeepers

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- 2. Social and normative boundaries
- 3. Entities:
 - supporters as pseudo-scientists
 - adversaries as gatekeepers
- 4. Adversaries are the dominant coalition

1. How is the process of agenda-setting established?

Periphery — Core

1. How is the process of agenda-setting established?

Periphery — Core

2. Importance of the field: surveys contextualized