

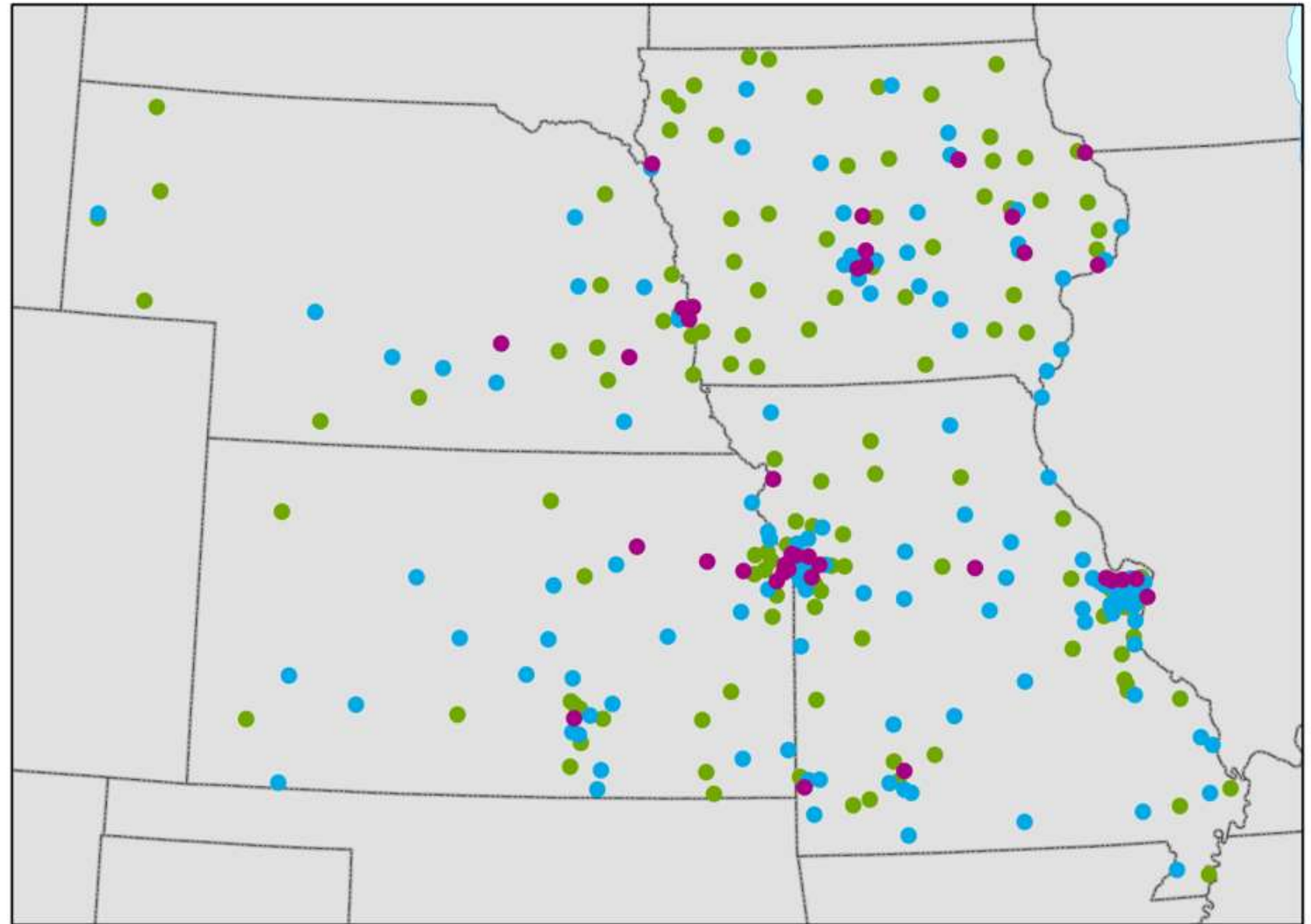
# Regional Survey of Municipalities in Missouri River Basin

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# Survey

- ❖ Survey Population: Every municipality of 5,000 people or more according to the 2015 Census estimate in IA, KS, MO, NE. Response Rate: 39% (117/304)
- ❖ Majority (100 municipalities) were micropolitans with populations of 5,000 to 50,000.



## Legend

- Metropolitan
- Large Micropolitans
- Small Micropolitans

130 65 0 130 Miles

# Current use of climate data

- Question: “To the best of your knowledge, on a scale of 1-5 with 1 being ‘not at all’ and 5 being ‘a great deal’, to what extent does your municipality currently use climate data in planning efforts?”

<b>Response Option</b>	<b>Result in Percentage</b>
• 1 (not at all)	29%
• 2	31%
• 3	23%
• 4	16%
• 5 (a great deal)	2%

# Who is using climate data?

- Question: “To the best of your knowledge, on a scale of 1-5 with 1 being ‘not at all active’ and 5 being ‘extremely active,’ to what extent are the following departments or entities in your municipality active in using climate data for planning purposes?”

# Who is using climate data?

(Average value on 1-5 scale with 1 being 'not at all active' and 5 being 'extremely active')

**Public works /  
Utilities**      **3.2**

Parks and  
recreation      2.7

Transportation      2.5

City manager  
(or equivalent)      2.5

Building safety      2.34

Planning / Land  
use      2.33

Environmental  
Conservation      2.32

Agriculture      2.0

Economic  
development      1.914

Health      1.913

Mayor      1.6

City council (or  
equivalent)      1.5

# Why aren't you using climate data?

- Question: What is the single biggest reason why your municipality does not integrate climate data further into planning efforts?

# Why aren't you using climate data?

<b>Response Option</b>	<b>Result</b>
• <b>Lack of awareness about the value of doing so</b>	<b>32%</b>
• Lack of known best practices to integrate climate data into planning	27%
• Lack of technical expertise among staff	11%
• Lack of funding	10%
• Lack of support or interest from a legislative body	5%
• Lack of support or interest from municipal departments	2%
• Lack of federal or/and state mandates	1%
• Lack of knowledge about where to find climate data for our area	1%
• Other	11%

# Best approach for issue framing?

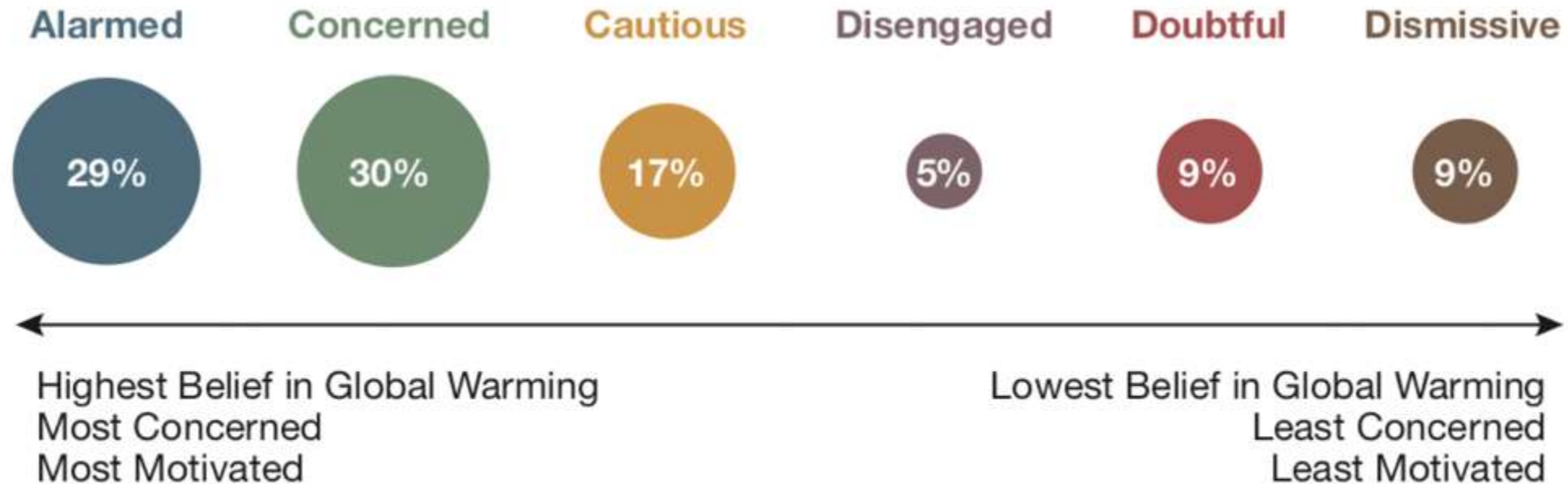
- Question: “Issue framing is the process of presenting an issue or problem in a way to gain support or understanding around some key point. In your municipality, what do you think is the most effective way to frame the issue to generate support for municipal climate mitigation and adaptation planning?”



# Best approach for issue framing?

<b>Response Option</b>	<b>Result</b>
<b>Disaster or extreme weather preparedness</b>	<b>40%</b>
Costs-benefits analysis	34%
Quality of life	13%
Economic development	5%
Community health	1%
Other	6%

# Climate change: Level of concern



December 2018. Base: 1,114 Americans.

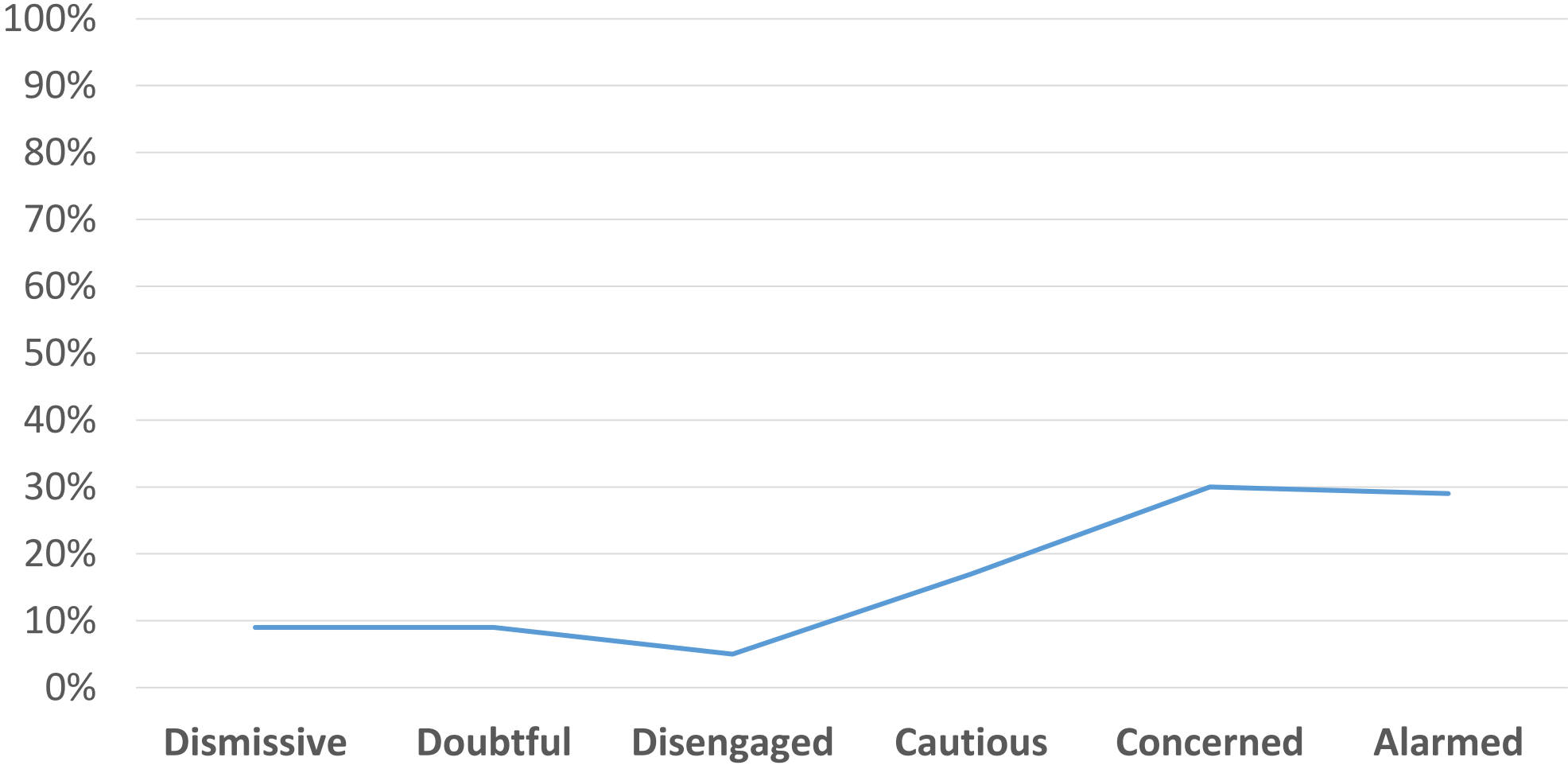


YALE PROGRAM ON  
Climate Change  
Communication

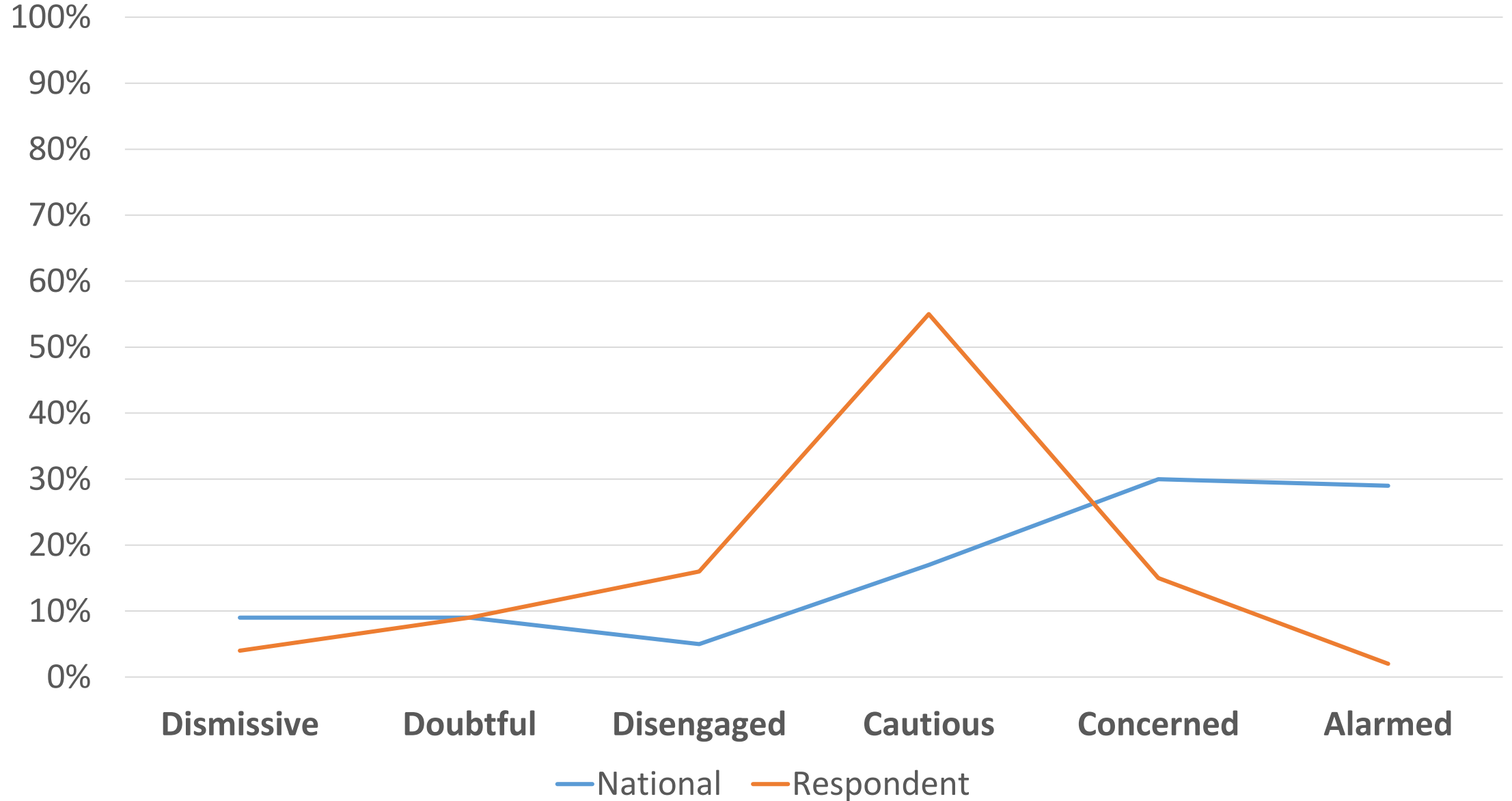


GEORGE MASON UNIVERSITY  
CENTER for CLIMATE CHANGE  
COMMUNICATION

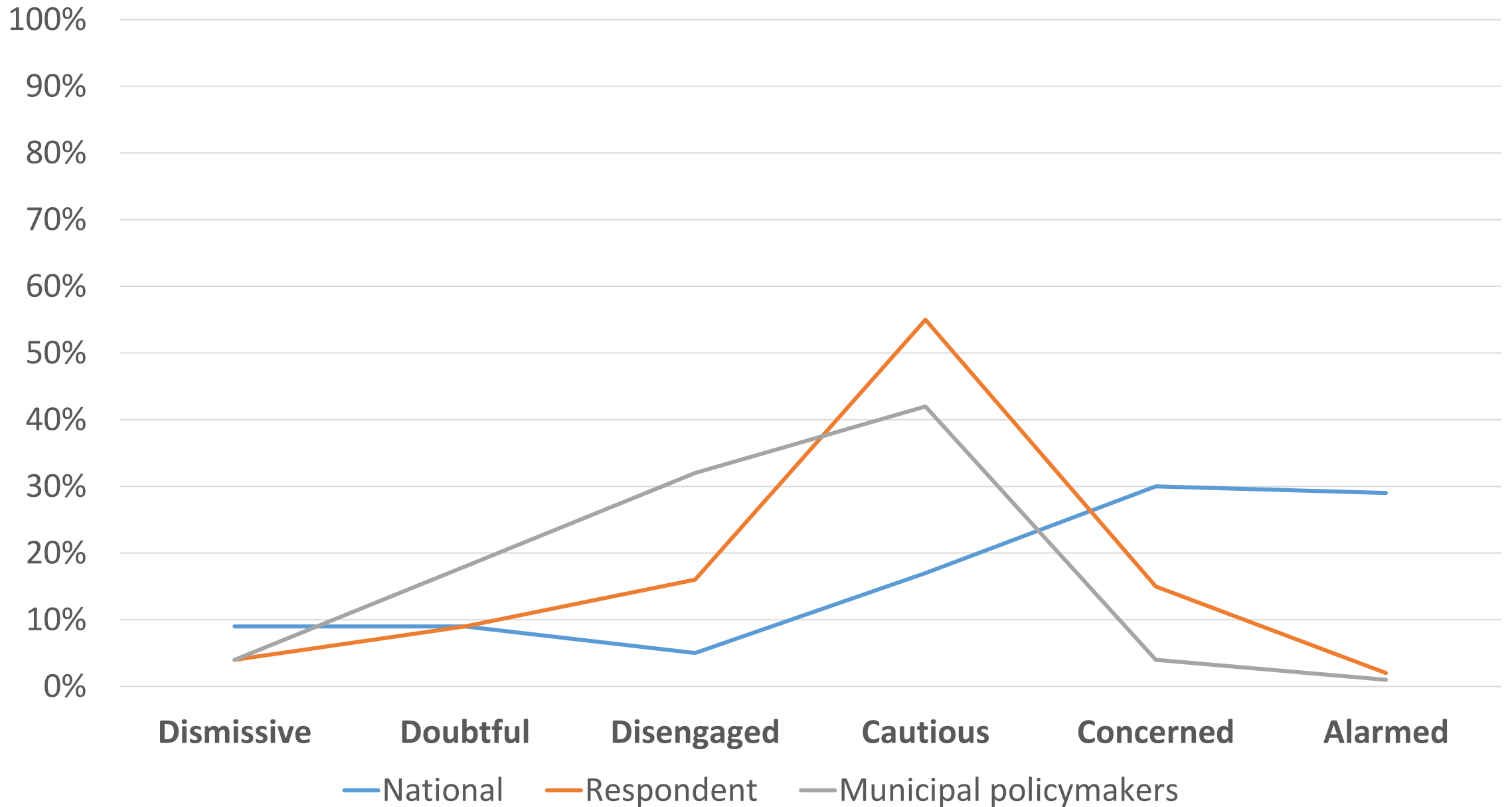
# Climate change: Level of concern (National – “6 Americas (2018)”)



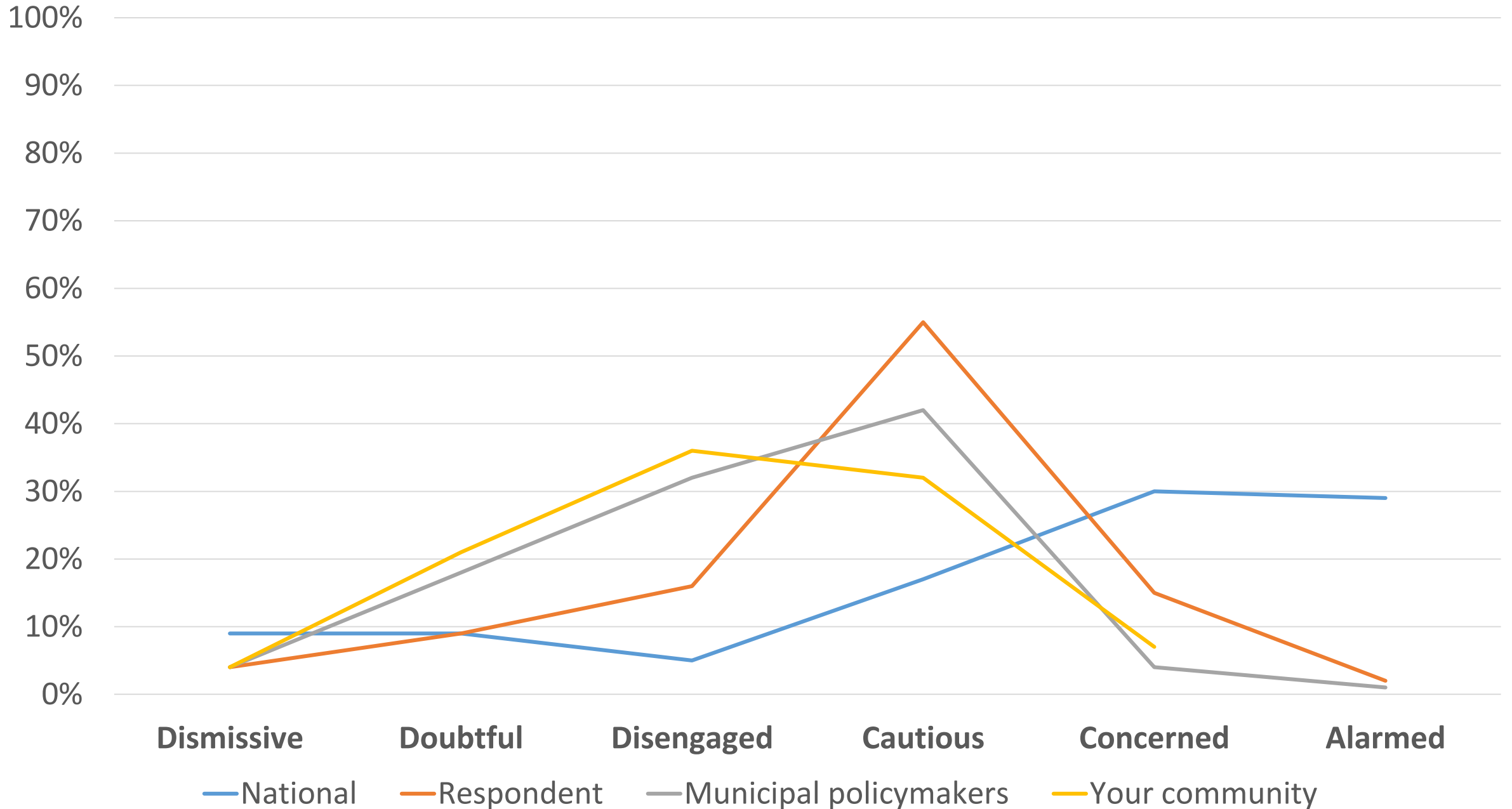
# Climate change: Level of concern



# Climate change: Level of concern



# Climate change: Level of concern



**Thank you!**

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