Social Change Lab

The Radical Flank Effect of Just Stop Oil

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Note: This is our more accessible report, with a more technical one intended for academic publication, with additional analyses, being released at a later date.

Summary

Social Change Lab conducted nationally representative YouGov surveys, before and after a week-long campaign by <u>Just Stop Oil</u> to <u>block the M25 motorway</u>. These surveys were conducted longitudinally, by surveying the same people before and after the Just Stop Oil M25 campaign. Our aim was to see if a 'radical flank effect' was at play: did the radical tactics implemented by Just Stop Oil impact attitudes towards more moderate UK climate organisations? We surveyed 1,415 members of the public about their support for climate policies and support for and identification with a more moderate climate organisation (Friends of the Earth). We detected a positive radical flank effect, whereby increased awareness of Just Stop Oil resulted in increased support for and identification with Friends of the Earth (p=0.004 and p=0.007 respectively).

We believe this is the first time the radical flank effect has been observed empirically using large-scale nationally representative polling, and it corroborates previous experimental findings by <u>Simpson et al. (2022)</u>. The results indicate the potential positive effects of radical tactics on a broader social movement.

Support for climate policies also increased between our two surveys, though we attribute this largely to media coverage of COP27, which took place at the same time as the M25 protests. We believe this change was largely due to COP27 as we observed no positive correlation between awareness of Just Stop Oil and support for climate policies, and in fact, observed a statistically non-significant (p = 0.19) negative association.

Key Results:

- Over 92% of UK adults had heard of Just Stop Oil after their campaign, putting
 awareness of the organisation as high as the top 20 UK charities. This figure was
 87% before this campaign started (as people may have reported higher awareness of
 Just Stop Oil purely due to our first survey).
- The number of people saying they support Friends of the Earth increased from 50.3% to 52.9% of the population, a 2.6 percentage point increase, equivalent to 1.75 million people in the UK.
- A clear positive radical flank effect: Increased awareness of Just Stop Oil after their M25 protest campaign was linked with stronger identification with and support for Friends of the Earth.

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 A trend towards polarisation: Increased awareness of Just Stop Oil through their M25 campaign tended to make people who had low baseline identification with a moderate climate organisation reduce their support for climate policies; the opposite was true for people with high levels of baseline identification, who showed increased support for climate policies with increasing awareness of Just Stop Oil.

Introduction

Social movements are often made up of several factions, deploying diverse tactics. How these different factions interact and what an 'optimal' pursuit of different tactics might look like are currently open questions. One way to compare factions is to look at how radical their tactics are - that is, the extent to which they break social norms or cause disruption. The 'Radical Flank Effect' (RFE), coined by Haines (1984)), is a theory of how more radical factions of a movement might impact more moderate factions. The RFE can be positive, whereby radical tactics *increase* support for more moderate groups, or negative, whereby radical tactics *decrease* support for the moderates. There has been little empirical work which looks directly at the RFE and the extent and direction (positive or negative) of its effect.

Those who argue for a positive radical flank effect claim that more radical groups make moderate groups seem more palatable by comparison. Within social movement advocacy, this strategy is also referred to as shifting-the-overton-window. For example, Haines (1984) who analysed the funding of major civil flights organisations in the US in the 1960s, claims that the existence of more radical black organisations (such as the Southern Christian Leadership Conference, led by Martin Luther King) led to an increase in funding for more moderate black organisations, such as NAACP, by white groups. Haines claims that, contrary to popular belief, there was no "white backlash" due to radical black organisations, but instead an influx of donations from white groups to moderate black organisations. Similarly, in experimental studies of the RFE looking at both climate and animal advocacy movements, Simpson et al. (2022) show that radical tactics can increase support for more moderate factions, through people identifying more with those moderate positions.

Proponents of the negative radical flank effect, such as <u>Feinberg et al. (2019)</u>, suggest that extreme actions can alienate people and reduce identification with a movement. This effect can extend even to moderate groups, and so reduce overall support for a movement. Others, such as <u>Ellefsen & Busher (2020)</u> show that radical tactics can have other negative consequences, such as increased repression for a social movement.

As mentioned, there has been little empirical work on the impact of the radical flank effect. Whilst <u>Simpson et al. (2022)</u> finds experimental support for a positive RFE, it is not clear how well these findings extend to the real world. To our knowledge, there has been no attempt to measure the radical flank effect through large-scale nationally representative public opinion

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polling, for an ongoing campaign using radical tactics. Using a recent <u>Just Stop Oil</u> campaign in the UK, we sought to gain a clear understanding of the radical flank effect in practice.

Understanding the radical flank effect is particularly important now, since radical tactics are being used more and more, particularly by the climate movement. For example, since Extinction Rebellion's conception in 2018, there has been a wave of new organisations such as <u>Just Stop Oil</u>, <u>Last Generation</u>, <u>Save Old Growth</u>, <u>Fireproof Australia</u> and more, who use civil disobedience and disruptive tactics to progress action on climate change. There is also an umbrella organisation, the <u>A22 Network</u>, which is a coalition of international climate groups pursuing disruptive nonviolent direct action as a key strategy. In addition, new funders, such as the <u>Climate Emergency Fund</u>, are increasingly funding this radical flank of the climate movement.

Methodology / Empirical strategy

We conducted a nationally representative survey, through <u>YouGov</u>, before and after a large direct action campaign by Just Stop Oil. The specific campaign by Just Stop Oil involved a week of <u>blockading the M25 motorway</u> that surrounds London. The campaign ran from Monday 7th November to Friday 11th November. Some <u>media coverage also persisted</u> after the end of the campaign.

This campaign was chosen for several reasons: First, we were informed this campaign would be happening on these dates. This meant we could conduct polling before the campaign began and measure baseline attitudes to Just Stop Oil, Friends of the Earth (the moderate faction), and other relevant metrics, such as support for climate policies.

Secondly, Just Stop Oil protests are often disruptive and receive high levels of media and public attention. For instance, our <u>April polling for Just Stop Oil</u> found that over 60% of the UK public had heard of them. Their recent protest <u>throwing soup</u> at a Van Gogh painting was watched almost 50 million times on Twitter. High levels of campaign awareness are essential to detect the sort of population-level effects we are looking for.

Thirdly, we knew this campaign was short (around a week) and clearly defined. This was important to reduce the impact of external factors which might also have an influence.

Our survey was conducted longitudinally, such that the same participants were contacted before and after the campaign. Our first survey on Friday 4th November had 1741 respondents, whilst our second, starting on Monday 14th and concluding on Monday 21st, had 1415 respondents. This equates to an overall retention rate of 81.3%.

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Our key research questions were:

- 1. Will increased awareness of Just Stop Oil, the radical faction, lead to increased identification with Friends of the Earth, the moderate faction?
- 2. Will increased awareness of Just Stop Oil lead to higher levels of support for Friends of the Earth?
- 3. Will increased awareness of Just Stop Oil lead to any change in support for climate policies?

The first two questions help us look at a possible radical flank effect, by looking at changes in identification and support for more moderate groups. The third question, about support for climate policies, is another useful indicator of public support for the climate movement, one likely to correlate with a greater chance of passing climate policy (<u>Burstein, 2003</u>). We also asked additional questions about people's willingness to take action with Just Stop Oil and Friends of the Earth for exploratory analysis (e.g. How likely are you to attend an event or sign a petition organised by Friends of the Earth?).

We chose Friends of the Earth UK as our moderate faction for two main reasons:

- They were one of the climate charities with the highest level of awareness in the UK, with YouGov reporting that <u>74% of the UK public</u> had heard of them.
- They don't employ radical tactics. Rather than publicly disruptive direct action campaigns similar to Just Stop Oil, Friends of the Earth UK <u>focus</u> on community organising, online petitions, legal challenges and occasionally legal protest to achieve their goals.

Further information about our analyses and methodology can be seen in our <u>pre-registration</u>. The full list of questions asked can be seen <u>here.</u> All of the data and code used for this project can be found <u>here.</u> A short supplementary document with summary statistics and additional justification of the methodology can be seen <u>here.</u>

We used regression analyses to look at the degree to which people's awareness of Just Stop Oil could predict their identification with Friends of the Earth, their support for Friends of the Earth, and their support for climate policies. The first set of analyses uses linear mixed effects models, a type of regression analysis that allows researchers to model variability within and between participants and items (see Brown, 2021 for an accessible introduction). The second set of analyses focused on the change in people's responses before and after the protests - that is, one data point per respondent; this analysis involved conventional linear regression.

To correct for multiple comparisons within the six main analyses (two sets of three), we used Benjamini-Hochberg false discovery rate correction (Benjamini & Hochberg, 1995).

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Full Results

Overall effects of Just Stop Oil awareness

The radical flank hypothesis says that the presence of a radical faction impacts how people perceive a more moderate faction of the same movement. We tested this with two sets of analyses. In the first analysis, we do not focus on the immediate effects of the protest, and instead look at the overall perception of Just Stop Oil and at the effects of that perception on attitudes towards more moderate groups and climate policies. In the second analysis we will go on to look directly at the causal effects of the protest. The first relies on the rationale that a radical flank effect should be reflected in an association between awareness of Just Stop Oil and identification with and support for Friends of the Earth at both time 1 and time 2 (that is, the survey before and after the M25 protest campaign, hence referred to as "T1" and "T2"). Given that Just Stop Oil was already sufficiently known at T1, we would expect any radical flank effect it might show to also be measurable at T1. To test whether awareness of Just Stop Oil affected how respondents viewed Friends of the Earth differently before vs. after the M25 protests, time (T1 vs. T2) was included as a predictor in these linear mixed effects analyses. In line with a positive radical flank effect interpretation, the results showed a positive effect of awareness of Just Stop Oil on identification with Friends of the Earth (estimate=0.15, SE=0.02, t=4.75, p<0.001) and support for Friends of the Earth (estimate=0.12, SE=0.03, t=4.59, p<0.001).

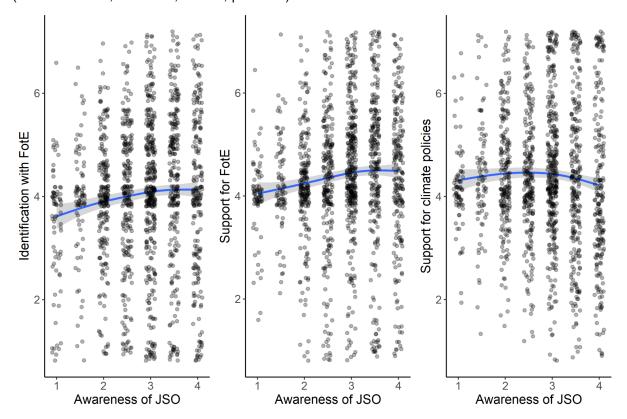


Figure 1. Overall higher awareness of Just Stop Oil (average of T1 and T2) was associated with stronger identification with (left panel) and support for Friends of the Earth (middle) and trended towards a negative association with support for climate policies (right).

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Causal effects related to changes in awareness of Just Stop Oil due to the M25 protests

Just Stop Oil's M25 protests were deliberately disruptive and received a lot of media attention. A striking 92.3% of respondents claimed to have heard at least to some extent about Just Stop Oil at T2. As such, it is plausible that they had an effect on people's knowledge of and attitudes towards Just Stop Oil itself, as well as to Friends of the Earth (through the radical flank effect) and to climate policies more generally. Our results showed that from T1 (just before the protests) to T2 (just after the protests) there was an increase in the awareness of Just Stop Oil (T1 mean=2.71, T2 mean=2.92, p<0.001), an increase in people's identification with (T1 mean=3.98, T2 mean=4.06, p=0.03) and support for Friends of the Earth (T1 mean=4.35, T2 mean=4.41, p=0.03), and increased support for climate policies (T1 mean=4.28, T2 mean=4.49, p<0.001).

This allowed us to look at whether people who were more aware of Just Stop Oil after the M25 campaign tended to identify more with Friends of the Earth and feel more supportive towards them. In doing this, we can be reasonably sure we are directly testing a radical flank effect: the two time points were only 10-15 days apart (depending on when participants completed the follow-up survey) which makes it very likely that any difference between those times is due to the protests (see the <u>Limitations</u> section for discussion).

We calculated difference scores for each variable (T2 minus T1), such that positive numbers reflect an increase over time and negative numbers reflect a decrease. In support of a positive RFE, linear regression analyses showed that increases in awareness of Just Stop Oil were linked with increases in identification with (estimate=0.14, SE=0.05, t=3.06, p=0.004) and support for Friends of the Earth (estimate=0.09, SE=0.03, t=2.79, p=0.007). In lay terms, this means there is a 0.4-0.7% chance that we observed results as extreme as this if no positive radical flank existed.

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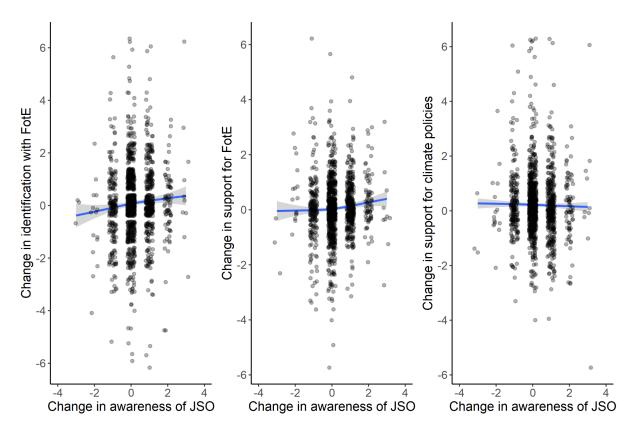


Figure 2: Effects related to changes in Just Stop Oil's awareness. Increased awareness of JSO (after vs. before a week of protests) were associated with increased identification with (left panel) and support for Friends of the Earth (middle) and trended (non-significantly) towards a negative association with changes in support for climate policies (right).

Figure 3 below shows more detail of the observed radical flank effect, whereby the percentage of people feeling neutral towards Friend of the Earth's goals fell, and support for their goals increased. Over the two-week period we conducted our polling, the number of people saying that they supported Friends of the Earth's goals increased from 50.4% of the UK population to 53.7%, a 3.3 percentage point increase. This is equivalent to 2.02 million additional people.

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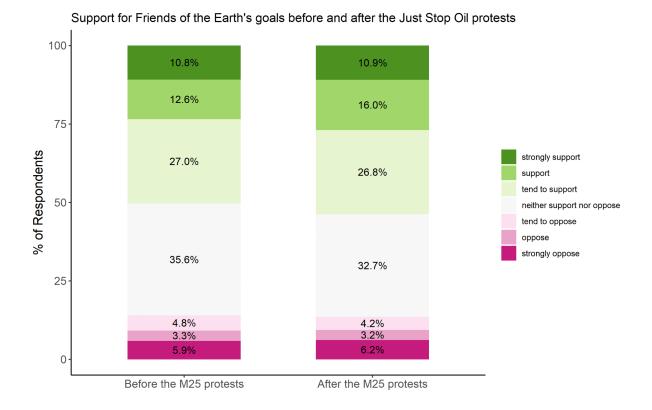


Figure 3: Change in support for Friend of the Earth's goals (one variable which composed our overall support for Friends of the Earth composite variable) from before to after the M25 Just Stop Oil protests.

Relation between awareness of Just Stop Oil and support for climate policies

The results from the difference score analyses and the combined T1 and T2 analyses support a positive RFE; higher levels of awareness of a radical group were associated with stronger identification with and support for a moderate group with similar goals. We also tested whether increased awareness of Just Stop Oil was associated with stronger support for climate policies. This was not the case. Instead, in both types of analysis there was a non-significant trend towards a negative association (analysis 1 looking at overall effects: estimate=-0.05, SE=0.03, t=-1.73, p=0.10; analysis 2 looking at relative differences from before to after the campaign: estimate=-0.05, SE=0.04, t=-1.32, p=0.19). **Overall, regardless of the change in awareness for Just Stop Oil, support for climate policies increased by a statistically significant amount between T1 and T2.** We suggest that the media coverage around COP27 is likely to have been responsible for this increase (see Limitations section). When we looked at whether an increased awareness of JSO was associated with this stronger support for climate policy, we found that it was not. We discuss this counterintuitive combination of findings below..

These results indicate that a group utilising radical tactics may bring about two opposite effects concurrently. On the one hand, higher overall levels of awareness of Just Stop Oil were associated with stronger identification with and support for Friends of the Earth. More

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importantly, increased awareness of Just Stop Oil after a week of protests was associated with increased identification with and support for Friends of the Earth, a clear illustration of the *positive* radical flank effect. On the other hand, in both analyses (that is, looking at overall levels and at change between T1 and T2), there was a non-significant trend towards a *negative* effect on support for climate policies.

Why does increased identification with and support for Friends of the Earth not translate to support for climate policies? We might predict that it would, since the goals of Friends of the Earth resemble the climate policies people were asked about in the survey. Indeed, overall identification with and support for Friends of the Earth is correlated with support for climate policies in this survey. This initially confusing pattern can be explained by the fact that the overall results obscure what is going on for particular sub groups, whose behaviour is affected in different ways (see figure 4 below). To elaborate: generally, support for Friends of the Earth is linked with support for climate policies. Increased awareness of Just Stop Oil increases support for Friends of the Earth in some people and this likely also increases support for climate policies in those people. However, the relationship between these two factors is modest (see Figure 1, left and middle panels). This means that for many people, greater awareness of Just Stop Oil was not associated with greater support for Friends of the Earth. For these people, increased awareness of Just Stop Oil tends either to have no effect or to have a slightly negative effect on their support for climate policies. In both analyses (looking at overall levels and relative differences between T1 and T2), we see a possible negative effect specifically for people with overall low identification with Friends of the Earth and low support for climate policies (see bottom left panel in Figure 2). These are likely people who are generally more sceptical about climate change and about organisations working on it.

This suggests that a backfire effect of radical tactics might specifically exist for people who are more sceptical about the need to address climate change in the first place. We see an opposite trend for people who have high identification with Friends of the Earth to start with; for them, increased awareness of Just Stop Oil may lead them to support climate policies more (bottom right panel of Figure 4). A follow-up analysis showed that the effect of overall awareness of Just Stop Oil on overall support for climate policies (Figure 4, top part) was significantly modulated by the degree of identification with Friends of the Earth (interaction: p<0.001). Even though an equivalent analysis looking at the effect of changes in awareness of Just Stop Oil and changes in support for climate policies showed a similar trend (Figure 4, bottom), it was not statistically significant (interaction: p=0.14). From this, it seems that Just Stop Oil generates a small degree of polarisation, such that people who are already unsupportive of climate policies marginally reduce their support, and people who are already supportive, marginally increase their support. However, our data show these trends as quite weak in this particular campaign, so we are unsure about the extent of this effect.

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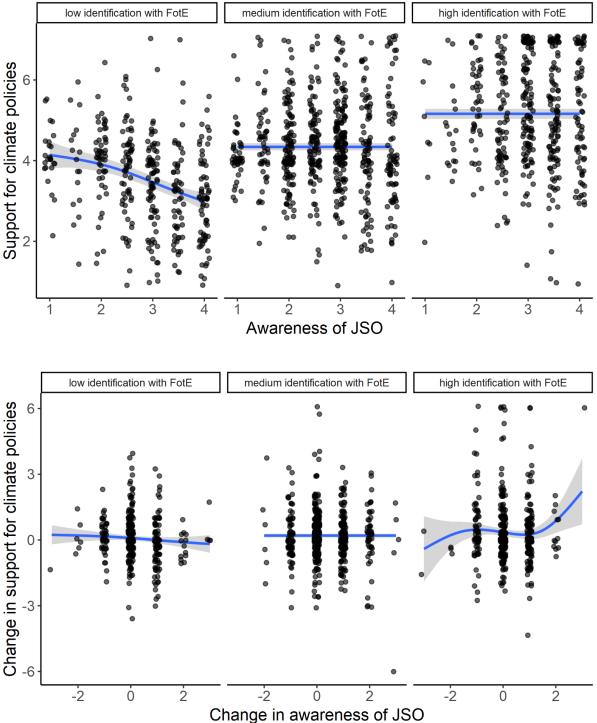


Figure 4: Top row: Relation between overall awareness of Just Stop Oil and support for climate policies, plotted separately for people with low, medium, or high overall identification with Friends of the Earth. Bottom row: Relation between changes in awareness of Just Stop Oil and changes in support for climate policies before vs. after the M25 protests, plotted separately for people with low, medium, or high overall identification with Friends of the Earth.

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Limitations

External factors, including COP27

Observational studies, such as this, have many advantages. For example, the protests we studied here presented a unique opportunity to investigate the previously hypothesised RFE in a large-scale nationally representative polling study, looking at a widely known ongoing campaign utilising radical tactics. However, the observational nature of the study also has disadvantages. COP27 was held from 6-18 November 2022 and thus overlapped with the JSO protests studied here. Media coverage of COP27 likely influenced responses in the survey, which was fielded on 4th of November and mostly completed by 18th November. For example, it is possible that COP27 coverage is the main reason that overall support for climate policies rose. Is it possible that what appears to be a positive RFE was actually due heightened attention on climate issues due to COP27? We think that overall increases in support for climate policies and increased support for Friends of the Earth could be attributed to COP27. However, awareness of Just Stop Oil was specifically linked with support for Friends of the Earth and not with support for climate policies more generally. This points to an independent effect: knowing more about Just Stop Oil leads the public to support Friends of the Earth more.

We plan to investigate this question further by analysing the amount of UK media coverage received by Just Stop Oil and COP27, to form estimates of the likelihood that changes in our variables were due to COP27 rather than the Just Stop Oil protests. Our conclusions about the finding of a RFE would also be strengthened by additional studies testing the RFE in different sociopolitical contexts.

Generalisability to other tactics

A second limitation concerns generalisability. Here, we focused on a particular week of protests, in which JSO blockaded the M25 by climbing on top of motorway gantries. This is a very particular kind of protest, involving very small numbers of people (often 1-2 people per gantry) causing a large amount of disruption to the public. It is hard to know whether we would observe a similar radical flank effect for different types of protests, with different numbers, different direct effects on the public, and so on. Throwing soup at paintings and blocking oil refineries are just two recent examples of very different kinds of radical actions. It is also unclear whether parallel negative effects might be seen: would a similar negative correlation (albeit a non-significant one) be seen between support for climate policies and awareness of other radical groups? Our previous polling about Just Stop Oil in April found no negative impact on support for climate policies. We speculate that this is because the April campaign focused on blockading oil depots and oil infrastructure, involved larger numbers and caused less direct disruption to the general public. Future studies using experimental and observational methods are needed to shed light on these sorts of questions.

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Limitations of the study's design

As our survey was a longitudinal study, it involved recontacting the same set of people for a follow-up survey. This has several implications that may affect some of our results, with the foremost issue being our finding that 92% of people had heard of Just Stop Oil after the M25 campaign. Whilst unlikely, it's possible that the increase in awareness (from 87% to 92% of the UK population) of Just Stop Oil was partly due to participants remembering something about Just Stop Oil from our survey, consciously or subconsciously. As a result, this 92% might be slightly inflated, although we think this is neither a crucial finding nor likely to be a large effect, as participants probably understood us to mean if they had heard of Just Stop Oil, in the 'real world'. Moreover, participation in our first survey might have meant that participants were more interested than normal in JSO's activities, so they might have followed it more closely on the news or social media. As a result, our sample could have higher awareness of Just Stop Oil relative to the general population.

Additionally, it's plausible that our survey served as a treatment in an experiment, by exposing people to both moderate and radical climate organisations back-to-back, such that the difference between them appears more stark. As a result, we might not expect to find results this extreme if not directly comparing Friends of the Earth to Just Stop Oil.

Discussion & Conclusion

Protest-focused social movements use a range of tactics in the hope of convincing other people of their cause with the ultimate goal of bringing about social change. It is still unclear what effects radical tactics have and the balance between positive and negative effects. Here, we focused on the radical flank effect, which proposes that disruptive activities of a radical faction alter support for more moderate groups in the same broader movement. Our results show that the extent to which people were aware of Just Stop Oil, a group employing radical protest tactics, affected their support for and identification with Friends of the Earth, a moderate group within the broader climate movement. Such a positive radical flank effect was observed in recent experimental research (Simpson et al., 2022). Experimental and observational studies have complementary strengths and weaknesses; experimental work is highly controlled and better able to rule out confounding factors and isolate specific active ingredients, while observational work can test how a certain phenomenon occurs in the real world, in the context of real protest movements. Convergence of results across research methods increases confidence in findings.

The radical flank effect we observed here was quite specific: awareness of Just Stop Oil was associated with increased identification with and support for Friends of the Earth but did not have a similar effect on support for climate policies. Instead, and particularly for people with low levels of support for climate policies to begin with, Just Stop Oil appeared to have had a slight negative effect on their climate attitudes. Specifically, it seems there was some

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polarisation generated by this campaign: people who were initially not very supportive of climate policies moved to support climate policies less, while those who were already supportive of climate policies trended in the opposite direction. This might be due to the specific tactics used by Just Stop Oil in this week-long campaign, which deployed small numbers of people to blockade a key UK motorway - a controversial tactic. We would like to repeat that this pattern was quite tentative and point out that in previous polling for Just Stop Oil, we found no negative impact on support for climate policies when large numbers of protesters targeted oil depots. Thus, more work is required to understand whether and in which circumstances polarisation and/or backfire effects due to radical tactics can occur.

We did not see a relationship between people's awareness of Just Stop Oil and the extent to which they would be willing to act for Friends of the Earth (sign a petition, donate, or participate in an event). Thus, even though radical tactics may lead to more positive attitudes towards moderate factions, it is not entirely clear how this translates into tangible behavioural change. It is possible, though we cannot know without further research, that other effects develop over time. For instance, Just Stop Oil's radical activities are likely to catalyse public debate of climate issues. To the extent that this leads to people becoming more informed about climate change, this could plausibly lead to higher degrees of concern for climate issues; previous research demonstrated that knowledge is an important driver of concern for climate change (Milfont, 2012). On the other hand, the lack of change in willingness to take climate action could be down to the tactics used. Whilst we didn't see any changes in willingness to act for the M25 blockades, we did for Just Stop Oil's campaign in April 2022 which directly targeted oil depots and other oil infrastructure. It is plausible that extremely high levels of public disruption were seen as less legitimate by the public, as opposed to targeted disruption of the oil industry, which in turn nullified any potential mobilising effects.

Contact us

If you have specific questions or want to talk more about our research, feel free to contact James at james@socialchangelab.org or Markus (who did all of the data analysis) at markus@socialchangelab.org. If you're interested in funding our research or curious to hear more about our future plans, please contact James here.

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