13 Decentralization as a response to terror

Bruno S. Frey and Simon Luechinger

Anti-terrorism policy concentrates almost exclusively on deterrence. It seeks to fend off terrorism by raising the cost of undertaking terrorist acts. This paper suggests an alternative anti-terrorism policy that is based on reducing the expected benefits of undertaking terrorist acts to prospective terrorists rather than raising the costs of doing so. Specifically, it is argued that strengthening decentralised decision-making in the polity and economy may be an effective antidote against terrorist attacks.

1. Introduction

Politics focuses almost exclusively on deterrence in its fight against terrorism. Terrorists must be dissuaded from attacking by threats of heavy sanctions and by using police and military forces to fight them. This strategy has also been central in rational choice analyses, most of which start with the model of subjective expected utility maximisation. In striking contrast to the prominence given to deterrence, the evaluation of this strategy by many renowned terrorism experts is unfavourable. Hoffman (1998, p. 61), for example, claims, that countless times 'attempts by the ruling regime to deter further violence [...] backfired catastrophically'. Despite this failure of deterrence, there are no systematic attempts to consider alternative anti-terrorism policies.

We suggest an alternative counter-terrorism strategy; the amount of terrorist acts may be diminished by reducing the expected benefits of terrorist acts to the terrorists instead of raising the costs. Specifically, we suggest that strengthening decentralised decision-making may be an effective antidote against terrorist attacks. We do not think that decentralisation is the only effective strategy, nor that it works in every case. Moreover, as decentralisation as a counter-terrorism strategy has been rarely discussed and has never been applied in reality, our propositions are to some extent tentative. Nevertheless, given the frequently established failure of deterrence, we believe that systematic reasoning about possible alternatives is desirable, if not necessary. In a previous paper, we discuss another alternative to a deterrence policy (Frey and Luechinger, 2003). In contrast to the proposition presented here, in the previous paper we suggest strategies aiming at increasing expected opportunity cost of terrorism, such as principal witness programs, broad access to the media and normal political processes as well as reintegration measures.

Section 2 presents a simple rational choice model of terrorism and focuses on the marginal benefits and marginal costs of undertaking terrorist acts. Section 3 discusses anti-terrorism policy and Section 4 concludes that decentralization of the polity and the economy is an effective antidote against terrorism.

2. The calculus of terrorists

Terrorists can be characterised as rational actors who rely on violence or its threatened use to promote their political goals (see e.g. Liechbach, 1987). As discussed in greater detail below, terrorists derive utility and incur costs from undertaking terrorist acts. According to a model of subjective expected utility maximization, the optimal level of terrorist activity from the point of view of prospective terrorists, is where the marginal benefit from undertaking an additional terrorist act equals the marginal cost of doing so. Rational choice theory suggests that this corresponds to the amount of terrorism observed in reality. In Section 3, we look more closely at what determines this equilibrium.

Terrorism is often seen as a specific form of political participation: 'Terrorists attempt to assert their interests in the complicated process of deciding "who gets what, when, how", the process of politics' (Baden, 1998, p. 96). The ultimate aim of terrorism are among others - the redistribution of power and property rights and the extermination of rents. For this, terrorists seek to attain three main tactical goals, all aimed at imposing the maximum possible cost on the country under attack (see e.g. Schelling, 1991, and Enders and Sandler, 1995):

1. Terrorists seek the attention of the media in order to make their cause more widely known. Laqueur (1977, p. 106) goes so far as to claim that 'terrorist action is nothing, publicity is everything'.
2. Terrorists seek to destabilize the polity. When the government loses power and, more importantly, when the political system's legitimacy is eroded, the terrorists' chances of achieving their goal improve.
3. Terrorists seek to damage the economy. They want to impose material costs on the population in order to force them to comply with their demands. Empirical research has shown that terrorist acts can have substantial negative economic consequences (for a survey see Frey et al. 2006).

In order to achieve these goals, the terrorists undertake various types of attacks (see e.g. Hoffman, 1998). One possibility is a targeted attack, for example the assassination of a powerful political leader. A second possibility is an attack on a target with a high symbolic value. A third possibility is to disperse fear and panic among the population by attacking civilians (seemingly) at random. The anti-terrorism policy developed in the next Section concentrates on the first two types of terrorist acts. According to Hoffman (1998), left-wing terrorists and, to a lesser
extent, ethno-nationalist/separatist groups, rely particularly on the first two types of attacks, while religious terrorists are more indiscriminate about attacking civilians. Therefore, the proposed counter-terrorism policy is not an antidote against all terrorist attacks, but against a significant number of them.

The marginal benefit reflects the benefit to terrorists of undertaking additional terrorist acts. It is assumed to diminish with increasing levels of terrorist activity. This is the case if additional terrorist acts have less and less effect on the targeted country and population.

The marginal cost, the costs of engaging in an additional terrorist act, increases with increasing levels of terrorist activity, because it is increasingly costly to undertake terrorist acts. To begin with, the easiest and most conveniently available targets are chosen. Thereafter it becomes increasingly difficult to undertake terrorist acts. Furthermore, the relationship between marginal cost and the level of terrorist activity depends on the motivation of the terrorists. Highly intrinsically motivated terrorists, or fanatics, are convinced they are doing the right thing, irrespective of incentives from outside. In this case, terrorists hardly react to either the costs or rewards of their actions. The available evidence, however, suggests that most prospective terrorists react to external incentives (see e.g. Ender and Sandler, 1995). Both extrinsic and intrinsic motives play a role.

3. Anti-terrorism policies

Within the framework of the simple model of the marginal costs and marginal benefits of terrorist acts, the options of a counter-terrorism policy are identified: the marginal costs to potential terrorists to undertake terrorist acts must be raised and the marginal benefits derived by terrorists must be lowered.

Deterrence policy aims at raising the cost of terrorist acts by making them more difficult to undertake and by punishing the actors more severely. The exogenous increase in the cost of undertaking terrorist acts results in a smaller equilibrium amount of terrorism. In the (unlikely) event that terrorists are solely intrinsically motivated, they would not respond to negative incentives and a deterrence policy would have less effect. Such a policy is also ineffective if it is offset by rewards. This would be the case if a larger punishment is interpreted as an indication to terrorists that their cause is particularly worthwhile and will be rewarded accordingly in the afterlife. But deterrence policy does not solely depend on the incentives of the potential terrorists. It also seeks to prevent terrorist acts by making them more difficult to undertake. A case in point is tightening up security measures to prevent the hijacking of planes. It follows that deterrence policy in many cases is able to shift the perceived cost of terrorism upwards and to therewith reduce the intensity and number of terrorist acts. This is the reason why deterrence is at the forefront of anti-terrorism policy.

As already mentioned, the equilibrium amount of terrorism may also be diminished by reducing the marginal benefits of terrorist acts to the actors. The basic idea is to make terrorism a less attractive option to potential terrorists. This second anti-terrorism policy option has been rarely discussed and seldom applied in reality. Specifically, we suggest that an effective way to immunize a country against terrorist attacks is to decentralize activity, both with respect to the polity and the economy.

A polity with many different centres of decision-making and implementation is difficult, if not impossible, to destabilize. If one of the centres is hit and destroyed by a terrorist attack, the other centres can take over. That this is indeed possible has been demonstrated by a recent incident in Switzerland. In September 2001, a man ran amok in the parliamentary building of the Swiss canton of Zug and shot dead no less than three of the seven members of the government council, as well as eleven members of parliament. Nevertheless, within a very short period of time, the government was functional again, not least because the heads of the partly autonomous communes took over. A similar incidence in Armenia plunged the country into a political crisis. In October 1999, five gunmen burst into Armenia’s parliament, assassinating the Prime Minister, Parliamentary Speaker and seven other government officials. Armenia’s Defence Minister stated that the situation which had been created was fraught with uncertainty, and that the internal and external security of the state were in danger (Freedom House, 2000). Because of the centralized nature of Armenia, the killings left a power vacuum and lesser federal levels were not able to take over.

Decentralizing political power, or polyarchy, takes two forms:

1. Political power is distributed between a number of different political actors. The classical division of power between government, legislature and courts, as well as democracy and the rule of law, are the most important.

2. Political power must also be divided up between various levels of government. In federal (i.e. spatially decentralized) countries, there is usually the federal, state/provincial/cantonal, and the communal level. But it is possible to go one step further still by introducing a fourth, regional level, or to grant far-reaching autonomy to all kinds of functional, overlapping and competing jurisdictions (for the idea of POJ, see Frey and Eichenberger, 1999).

Strengthening political decentralization via the division of power and federalism contributes considerably to a country being less vulnerable to terrorist attacks. The attraction of such actions for terrorists is diminished. The marginal benefit of terrorism falls and the equilibrium amount of terrorism is reduced.

A market economy is based on an extreme form of decentralization of decision-making and implementation. The terrorist attacks on the United States in 2001 dramatically demonstrate that economic activity was quickly resumed, despite the high number of people killed and whole firms being wiped out. This was possible because there were a substantial number of competitors, which could quickly be substituted, rather than just one monopolistic supplier of the respective economic services. The more an economy functions according to market principles, the less vulnerable it is to terrorist attack. The terrorists’ marginal
benefits diminish as terrorist activities prove to have little or no effect on aggregate economic activity.

Conclusion
As the preceding discussion suggests, strengthening decentralized decision-making may be an effective antidote against terrorist attacks. Political economy suggests, however, that a deterrence policy nearly always tends to be favoured by governments, because it demonstrates politicians’ determination to fight terrorism. In contrast, seeing and conserving the value of decentralization has more the character of a public good, whose maintenance is not directly attributed to the government in power. It is therefore all the more important to safeguard political and economic decentralization at the constitutional level.

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Endnotes
1 See, e.g., Landes (1978), Kirk (1983), Sandler et al. (1983) and Liebich (1987). Only a small part of the vast literature on terrorism, however, uses a rational choice approach and, even then, usually concentrates on specific aspects. An overview on important contributions based on economic methods is provided by Enders and Sandler (1992) and Sandler and Enders (2002). For further references, see also Frey and Luechinger (2003), and Frey (2004).
2 In particular, several unintended or even counterproductive consequences of deterrence are discussed in the literature. In the political science literature it is often stressed that government repression of dissidents sparks off feelings of frustration and anger in larger fractions of the population. Deterrence may therefore increase the future mobilization of dissidents (Liebich, 1987). It has often been argued that terrorists aim at provoking such a repressive overreaction (Lake, 2002). According to Wilkinson (2002), there is abundant evidence that such responses play into the hands of terrorists and become totally counterproductive. Whenever a deterrence policy is directed against a certain type of attack, the terrorists react by substituting this type of attack with another, often more deadly, one (see, e.g., Sandler and Enders, 2002). Therefore, anti-terrorism policies are far less effective and more costly than anticipated. Deterrence also has unintended consequences for initially uninformed countries. A deterrence policy of a potential target has negative externalities for other potential targets because it deters terrorist attacks to these other targets. Therefore, without cooperation among the potential targets, each target expends too much effort on deterrence (Sandler and Lapan, 1988).
3 In the unlikely cases of diminishing marginal cost or increasing marginal benefit with an increasing level of terrorism, the propositions presented in this paper do not hold if the absolute value of the slope of the marginal cost curve is greater than the absolute value of the slope of the marginal benefit curve (i.e., if $MBC < 0$ or $MCD < 0$). Within a certain range, the marginal benefit curve may slope upwards or the marginal cost curve may slope downwards. The latter is the case if there are economies of scale in planning and executing a certain number of operations (see, e.g., Sandler and Enders, 2002). But over the whole range of operations, and in the long run, this is unlikely to be the case.
4 For a precise definition and further discussion of intrinsic and extrinsic motivation, see e.g., Frey (1997). In the realm of terrorism, such behaviour could also be explained by intertemporal utility considerations. A suicide bomber may place a very high value on the life hereafter and trade off current consumption for the delights of 72 white virgins in the afterlife.
5 Other anti-terrorism policies based on reducing the expected benefits of terrorism are discussed in Frey (1988) and Lapan and Sandler (1988). Frey (1988) suggests an information policy that would sharply reduce terrorists’ benefits in the form of publicity. Lapan and Sandler (1988) analyze the often proposed and applied strategy never to negotiate with terrorists in hostage-taking incidents.

References

