

# **The Effectiveness of Governments' Attempts to Control Unwanted Migration**

**Eiko R. Thielemann, Department of Government/European Institute,  
London School of Economics & Political Science**

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**Abstract:**

Public policy making on asylum takes place in an environment of intense public scrutiny, strong institutional constraints and international collective action problems. By assessing the relative importance of key pull factors of international migration, this article explains why, even when controlling for their differences in size, some states receive a much larger number of asylum seekers than others. The analysis of 20 OECD countries for the period 1985-1999 further shows that some of the most high profile public policy measures—safe third country provisions, dispersal and voucher schemes—aimed, at least in part, at deterring unwanted migration and at addressing the highly unequal distribution of asylum burdens have often been ineffective. This is because the key determinants of an asylum seeker's choice of host country are historical, economic and reputational factors that largely lie beyond the reach of asylum policy makers. Finally, the chapter argues that the effectiveness of unilateral policy measures will be further undermined by multilateral attempts to harmonise restrictive policies and that current efforts such as those by the European Union will consolidate, rather than effectively address, existing disparities in the distribution of asylum burdens.

## 1. Introduction

In an increasingly interdependent world, rising numbers of asylum seekers and their highly unequal distribution across countries have meant that forced migration is now regarded as one of the key challenges facing nation states today.<sup>1</sup> This challenge is made even greater by the fact that one state's policy decisions on the relative leniency or restrictiveness of its asylum regime will create externalities for other states and can thus lead to strained relations between states.<sup>2</sup> As a consequence, forced migration has also come to be seen as a crucial challenge for international policy coordination, leading, for example, to rapid advances in the efforts of the European Union to provide for effective policies in this area.

Policy makers charged with finding an appropriate response to these challenges have been faced with two key questions: First, why have some states been faced with a much higher number of asylum applications than other states. And second, what public policy measures, if any, can effectively influence the number of asylum seekers that a state receives? From a national perspective, the most frequent response to the first question has been to argue that if states' asylum burden is disproportionate, then these countries' asylum procedures are probably too lenient and their welfare provisions too generous in international comparison. By increasing the restrictiveness of their asylum policy, the argument goes, states will be able to redress the inequitable distribution

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<sup>1</sup> The largest part of the world's 15 million asylum seekers in 2001 sought refuge in developing countries. However, since the early 1980s the number of asylum seekers in Europe has increased almost tenfold to 970,000 in 2001. In the period between 1985 and 1999, Switzerland as the largest recipient of asylum seekers on average relative to its population size, was faced with 30 percent more asylum applications than Sweden, 40 percent more than Germany, 6 times as many as France and the UK, 30 times as many as Italy and 300 times as many as Portugal and Sweden (UNHCR 1999).

<sup>2</sup> Recent examples have been the strained relations between Denmark and Sweden following the introduction of highly restrictive asylum measures by the new conservative government in Denmark and the controversy about the Sangatte refugee camp which soured relations between France and Britain.

of burdens, raising concerns in some quarters, however, about a possible race to the bottom of protection standards. There have so far been few academic attempts (Boecker and Havinga 1998, 1999; Holzer and Schneider 2002; Neumayer 2004; Hatton 2004) to use relevant theoretical models developed in the field of economic migration (Ranis and Fei, 1969; Harris and Todaro 1970; Borjas 1990; Massey et al. 1993) to systematically analyse patterns of asylum flows in order to establish the importance of policy and other historical, economic or political migration pull factors that can explain why asylum seekers apply in a particular country.

Regarding the second question, on the capacity of public policy in this area, there is still little consensus as to whether liberal states can control unwanted migration (Freeman 1994). The 'transnationalist' strand of the literature (Sassen 1996; Jacobson 1995; Soysal 1994) emphasises systemic constraints that undermine the capacity of states to assert effective control in this area. In contrast, the more 'state-centrist' strand of the literature (Holzer, Schneider and Widmer 2000; Guiraudon and Lahav 2000; Joppke 1997; 1998) argues that states have found new ways to regulate migration in an era of increasing interdependence, which enables them to retain much of their regulatory capacity in this area, even to the extent that their measures have undermined some of the more liberal aspects of the international migration regime.

Largely missing from the literature have been quantitative studies that combine the systematic empirical analysis of the determinants of asylum seekers' choice of destination country and the effectiveness of specific public policy instruments in regulating asylum flows. In an attempt to fill this gap, this chapter analyses UNHCR and OECD data from 20 OECD countries for the period 1985-1999 and shows many public policy measures aimed, at least in part, at deterring unwanted migration ('bogus asylum seekers') and at addressing the highly unequal distribution of asylum

burdens have remained limited in their effectiveness. The chapter argues that this is because the key determinants of an asylum seeker's choice of host country are historical, economic and reputational factors that largely lie beyond the reach of asylum policy makers. It also suggests that the effectiveness of unilateral policy measures will be further undermined by multilateral attempts to harmonise restrictive policies and that current efforts such as those by the European Union consolidate, rather than effectively address, existing disparities in the distribution of asylum burdens.

To make this argument the chapter proceeds as follows: After a short overview of recent public policy responses, an analysis of the literature on migration will identify theoretically informed pull factors. From this, the chapter will generate a number of hypotheses. The next part develops and explains the model which is subsequently used to test the hypotheses empirically based on data for 20 OECD countries over the period 1986-1999. The final section discusses the empirical results which call into question some widely held assumptions about the underlying reasons for the unequal distribution of 'asylum burdens' and the effectiveness of unilateral and multilateral deterrence measures.

## **2. Setting the Scene: Forced Migration and Public Policy**

Since the mid-1980s, the issue of immigration and asylum has gained considerable prominence in OECD countries. The combination of heightened migration pressure and reduced willingness to accept inward migration, has pushed the issue towards the top of the political agenda. As economic and political uncertainties increased in the 1990s, public opinion (often encouraged by electioneering politicians and a xenophobic media)<sup>3</sup>

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<sup>3</sup> The words "floodgates", "swamped", "scroungers", "soft touch" and "bogus" are frequently used by newspapers (and at times by politicians) in the context of asylum policy. Take the following examples from newspaper headlines in the UK: "Our land is

became more and more wary about inward migration, which in turn produced more pressure on politicians for "decisive" action in this area. The important distinction between economic and forced migration was often lost in the process. Although states are generally free to decide on the number of economic migrants they are willing to accept, in the area of forced migration international obligations such as the Geneva Convention on the Status of Refugees impose important obligations on states. This, however, is not to dispute the fact that, with the door to legal immigration shut in most states since the early 1970s, a significant number of economic migrants have taken the 'asylum route' as it has often constituted the only remaining avenue for third country nationals to legally settle in one of the OECD countries. In the 1990s, asylum applications therefore became a primary concern for policy makers in all OECD states. Figure 1 shows that the number of asylum applications filed in Europe and North America over the period 1980-1999.

Insert Figure 1 about here

However, policy-makers are not just concerned about the growth in the absolute numbers of asylum applications, over which they have only limited influence given a volatile international system and their international obligations. They are also concerned about the relative distribution of asylum applications between states, in particular when they feel that the policy measures adopted in neighbouring states are at least in part responsible for their own asylum burden. When analysing the development of asylum applications across OECD countries, it soon becomes clear that the distribution of asylum applications has been highly unbalanced. Public attention was drawn to this in when in 1992 Germany received over 438.000 asylum applications, which constituted more than

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being swamped by a flood of fiddlers stretching our resources—and our patience—to breaking point" (*The Sun*); "Hello Mr Sponger... Need Any Benefits?" (*Daily Star*). "Scandal of how it costs nearly as much to keep an asylum seeker as a room at the Ritz" (*The Mail*); " ...we resent the scroungers, beggars and crooks who are prepared to cross every country in Europe to reach our generous benefits system" (*The Sun*).

62 percent of all applications registered in Europe (UNHCR 1999).

However, a focus on absolute figures is often misleading. When using the more meaningful measure of relative burdens, i.e. one which takes account of differences in reception capacity,<sup>4</sup> the unevenness in distribution becomes even clearer (see Table 1). It can be shown that since the mid 1980s some European countries, most notably Switzerland Sweden and Germany, have borne a much higher relative (per capita) burden than the EU average. Relatively high burdens have constituted a considerable domestic challenge in some countries. The inequitable distribution of burdens has also led to tensions between some OECD countries, particularly within the EU, as there was a feeling in some quarters that certain countries were introducing unilateral deterrence measures to deflect asylum applications towards other countries.

Insert Table 1 about here

Against the background of the serious collective action problems involved in this area, the German government in 1992 proposed a European wide asylum burden-sharing system. The German proposal<sup>5</sup> foresaw the distribution of asylum seekers across Europe according to indicative figures that were based on a distribution key composed of three criteria which were given equal weight (population size, size of Member State territory and GDP).<sup>6</sup> The centrepiece of the German draft was the introduction of a compulsory resettlement mechanism which would have worked as follows: 'Where the numbers admitted by a Member State exceeds its indicative figure [...], other Member States which have not yet reached their indicative figure [...] will accept persons from the first

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<sup>4</sup> There are several possible criteria to measure reception capacity, the most common one being relative population size (per capita).

<sup>5</sup> Council Document 7773/94 ASIM 124.

<sup>6</sup> The form of the suggested redistributive mechanism followed the example of German domestic legislation, which stipulates a similar key for the distribution of asylum seekers among the German Länder. See section 45 of the German Asylum Procedure Act (*Asylverfahrensgesetz*).

State'.<sup>7</sup> This proposal, however, did not find the necessary support among other countries, with the UK in particular being strongly opposed to such a scheme.<sup>8</sup>

Since then, European states have instead agreed on a number of (limited) steps towards harmonising asylum policy regulations across Europe, including joint visa regimes and a common refugee definition.<sup>9</sup> At the same time, states have continued to undertake unilateral measures aimed at deterring asylum applications to their country. Such unilateral deterrence measures have covered the whole range of policy options available to policy makers in this field such as measures (1) on access, (2) status determination and those concerning (3) the integration of asylum seekers. These measures have been based on a number of apparently widely held assumptions. First, asylum seekers are assumed to be well informed (either through personal networks or their traffickers) about the relative openness and attractiveness of different destination countries' asylum regimes. Second, they are expected to choose to apply to those countries which have the most attractive asylum policy package, in terms of access, determination and integration/welfare measures. In other words, 'asylum shopping' is assumed to be a widespread phenomenon. Finally, there appears to be a belief that countries with relatively more attractive asylum policies will come to be regarded as a 'soft touch' and will consequently have to cope with a disproportionately high number of asylum applications. Despite the fact that all of these assumptions are at least questionable, they have formed the basis for the introduction of unilateral deterrence measures some of which have come to be viewed by both policy-makers (and academics) as having been highly effective. For example, the dramatic drop (by 71%) in the number of applications received by Germany between 1992 and 1994 has widely been attributed

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<sup>7</sup> Council Document 7773/94 ASIM 124.

<sup>8</sup> BMI, Pressemitteilung vom 1.12.1994, FAZ 27.1.1995, p.2; BT-Drs. 13/1070, 55; Integrationsbericht, p.92.

<sup>9</sup> For a comprehensive discussion see Noll (2000).

to the 1993 restrictions that were introduced to the German Basic Law and the corresponding legislation pertaining to foreigners (a conventional wisdom that will be fundamentally challenged later in this chapter).

Some recent research (Cornelius, Tsuda, Martin and Hollifield 2004; Holzer, Schneider and Widmer 2000; Robinson and Segrott 2002), has already cautioned against being overly confident about the effectiveness of asylum policy in steering migration flows. The quantitative analysis of the Swiss case showed that Switzerland only within limits has been able to influence the inflow of asylum seekers between 1986 and 1995. The study showed that the Swiss government was partly successful in manipulating the relative number of refugees it recognized to achieve its deterrence objectives. However, the study concluded that deterrence measures can be expected to be unsuccessful 'if the push factors in a region nearby to the receiving states reach a critical level' (Holzer, Schneider and Widmer 2000: 1205). Qualitative research conducted in the UK draws even more sceptical conclusions. This research that was based on 65 interviews with asylum seekers found that most of the respondents knew very little about UK asylum policy before their arrival. The study found that they certainly did not have sufficient knowledge to make an informed choice based on rational evaluation of reception conditions and welfare benefits on offer by several possible destination countries (Robinson and Segrott 2002: 46; 63).

These studies, however, suffer from their focus on individual countries which makes generalisation difficult. Moreover, qualitative research based on survey data, whereby asylum seekers are asked about their travel route, their preferences as to particular countries of destinations and why they applied in a particular country can be problematic. Although such studies might have a strong appeal (who else than the asylum seeker knows why s/he applied in a particular country), research of this kind suffers from two difficulties in particular. First, survey analyses of the required kind is very costly especially when one is interested in systematic

comparative analyses across countries (let alone over time). Interviews are especially costly because they often have to rely on interpreters. Second, and potentially even more problematic, is the fact that asylum seekers might have a strong incentive to emphasise certain determinants over others, as they know that certain answers might compromise their asylum application or residence status.<sup>10</sup> It is for these reasons that the systematic quantitative analysis in this chapter, despite its own limitations,<sup>11</sup> hopes to make a contribution to the existing literature.

### 3. Which Host Country? Migration Theory and Pull Factors

Although still an under-theorised area of study, one can identify a number of prominent theories and models of international migration (Kritz et al. 1992, Massey et al. 1993, Meyers 2000). One of the most commonly known theoretical migration models is the 'push-pull model'. In its most abstract form, the push-pull model suggests that there are push factors in countries of origin that cause people to leave their country, and positive or pull factors that attract migrants to a receiving country. Although this model cannot simply be transferred to the area of forced migration,<sup>12</sup> it still offers a number of insights for research on the direction of asylum

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<sup>10</sup> This problem is certainly confounded when the research is funded by the national body which determines asylum cases, as was the case in the above study by Robinson and Segrott which was financed by the UK Home Office.

<sup>11</sup> The most immanent problems with quantitative data analysis stem from the aggregation of data and difficulties stemming from the incongruence of national definitions. For an extensive discussion see e.g. Crisp (1999) and the chapter on 'Sources and Comparability of Migration Statistics'; in: OECD (SOPEMI) (2002: 269-73).

<sup>12</sup> In the area of forced migration pull factors are not assumed to be the driving forces behind persons leaving their country and push factors are often assumed to be limited to persecution of the kind listed in the Geneva Convention (UN Convention on the Status of Refugees 1951, as amended by the 1967 New York Protocol). The Convention defines a refugee as *a person who "owing to a well-founded fear of being persecuted for reasons of race, religion, nationality, membership of a particular social group, or political opinion, is outside the country of his nationality, and is unable to or, owing to such fear, is unwilling to avail himself of the protection of that country"*. Refugees must therefore be seen as distinct from economically motivated labour migrants, as the former are assumed to move involuntarily, while for the latter there is an element of choice in their migration decision. In practice, such classifications are less clear than often assumed, as political and economic causes frequently join forces in producing movement, and freedom of choice is rarely absolute and might be limited in both types of migration.

flows and their distribution between host countries. A review of the theoretical literature on migration,<sup>13</sup> produces five categories of pull-factors—economic, historic, political, geographic and policy related—which will be introduced in turn below.

### *Economic Factors*

Economic theories of migration have only limited applicability in the area of forced migration, in which displaced persons often will have little or no time for deliberations of 'utility maximisation'. However, despite the important substantive differences between economic and forced migration, economic considerations can still be expected to play a role in the area of forced migration. Like other migrants, asylum seekers will often face financial and other constraints which will influence their choice (limited as it might be). In many cases even forced migrants will have some choice as to their country of destination and can therefore be expected to take economic consideration into account. Moreover, we do of course know (Kunz 1981; Zolberg et al. 1995) that in a world of high cross-country income differentials and highly restrictive admission policies, persecution is not the only push factor behind the large number of asylum applications of recent years. Given the above, economic factors must be included when analysing the incidence of asylum applications across the OECD.

Neo-classical economic migration theory (Ranis and Fei, 1961; Harris and Todaro 1970, Todaro 1976) explains the decision to migrate as one of income maximisation in which wealth differentials and differences in employment opportunities constitute important pull factors. International migration is expected to be determined by geographic differences in the supply and demand of labour. Ultimately, in this view, it is wage differentials which can explain movements from low-wage countries to

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<sup>13</sup> One objective of this review of the general theoretical literature on migration is to analyse to what extent hypotheses derived from this literature (that deals primarily with economic migration) can be usefully extended to the area of forced migration.

high-wage countries. In its micro-economic extension (Sjaastad, 1962; Borjas 1990), rational actors (be it individuals or larger units such as families or households) decide to migrate in the expectation of a positive, often monetary, net return from migration. In this framework, the decisive factor is income differentials as well as the probability of employment in the destination country. In other words migration decisions can be seen as being guided by processes of income maximisation and risk minimisation.

#### *Historical Ties, Networks & Path Dependency*

Historical ties between countries of origin and destination countries often lead to transport, trade and communication links which tend to facilitate movements of people from one country to the other. Material links are often accompanied by ideological or cultural links. Colonial legacies often explain why administrative and educational systems in third world countries mirror those of a past colonial power and often continue to be reflected in migration flows long after independence (Fassmann and Muenz 1992). For example, Pakistanis and Bangladeshis learn English, are raised in a British-style education system and keep up links with the UK through the Commonwealth. Language ties, communication links and cultural networks that are responsible for the diffusion of particular consumption patterns, can be responsible for channeling international migration to particular destination countries (Massey et al., 1993: 446-7).

Moreover, the fact that migrant or refugee communities have been established in certain destination countries as a result of historic ties, will often lead to the growth of migrant networks that may foster future migration flows. Such networks are sets of interpersonal ties between earlier migrants already resident in a destination country and potential migrants in countries of origin that are based on family ties, friendships or shared community origin. Such ties can significantly reduce the costs and risks of migration, thus channelling migration flows in the direction of

earlier migration flows. By passing on information about access to a particular country and its employment opportunities, they constitute a form of social capital (Hugo, 1981; Taylor, 1986). Once migration connections have been established, the presence of relatives, friends, and/or others from the same community of origin may form a strong incentive to choose a particular destination. Migration may thus be seen as a self-sustaining diffusion process (Massey et al. 1993), which governments will find difficult to control.

Following the same line of reasoning we could also expect a certain degree of path-dependency from one period of migration to the next. Such a process is likely to be the result of two dynamics. First, there will be a reduction of costs and risks for migrants as they can rely on the support of personal networks. Second, there will be certain persistence of existing migration routes and patterns, as agents and traffickers will have incurred sunk costs by investing in the creation of networks which they will be reluctant to give up (Pierson 2000).

#### *Political Values ('Liberalness')*

Concerns about personal security and their acceptance into a new host society can be expected to be important considerations for potential migrants, in particular forced migrants who are leaving their country of origin because of concerns about their, or their family's, safety. The reputation of a country in terms of its 'liberal credentials' as well as its track record on issues such as adherence to human rights standards, international humanitarian crises, community relations, reception and integration of foreigners, naturalisation policies and the like, can be expected to play a role in a migrant's consideration about the relative attractiveness of countries of destination.

#### *Geography*

Ease of access, in particular geographic proximity, between a country of

origin and a country of destination can also be expected to be a pull factor in migration patterns. Despite technological developments which have made geographic distance less of an issue than it was in the past, most migrants' resources are limited and smaller distances will often mean lower costs of transport and hence easier access. In other words, geographic distance can often be regarded as a proxy for the costs of movement. Although other factors, such as length and relative openness of countries' territorial borders, will also play a role as to how accessible a country of destination is for migrants, geographic distance can be expected to constitute an important consideration. We can also expect an interaction with other pull factors already discussed. Although geographic proximity does not guarantee the establishment of cross border ties, geographic proximity can clearly facilitate the formation of such ties.

### *Deterrence Policy*

States often regard asylum burdens as a 'zero sum' phenomenon, in which a reduction of one country's burden will result in increasing burdens for other countries. The assumption is that there is a certain number of migrants each year who intend to claim asylum and that the role of national asylum policy is to restrict the inflow into a particular country to an acceptable proportion. This means that policy makers will try to use migration policy instruments to make sure that their country will not be seen as a 'soft touch', i.e. an overly attractive destination country that will attract an unacceptable proportion of asylum seekers. Three sets of such instruments in particular are at their disposal: (1) access control, (2) the determination process and (3) migrant integration policy. Access control policy refers to the rules and procedures governing the admission of foreign nationals and its instruments include visa policy, regulations for carriers, safe third country provisions, etc.<sup>14</sup> Rules concerning

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<sup>14</sup> "Safe third country" provisions mean that asylum seekers are denied access to the refugee status determination procedure on the grounds that they could or should have requested and, if qualified, would actually have been granted asylum in another country.

determination procedures relate to entry into a country's refugee recognition system, appeal rights, and rules concerning protection that is subsidiary to the rather narrowly defined Geneva Convention criteria for full refugee status.<sup>15</sup> Finally, integration policy is concerned with rights and benefits given to asylum seekers inside a country of destination (e.g. work and housing conditions, rules on freedom of movement, welfare provisions, educational opportunities, etc.). Policy-makers can introduce changes in the regulations in these three areas in an attempt to raise the deterrence effect of their policy, which in turn is expected to make their country less attractive to asylum seekers in relative terms.

The various above explanations of pull-factors for migrants and in particular asylum seekers, are obviously not mutually exclusive. On their own, as well as in combination, they can be expected to help explain why asylum seekers apply for asylum more in some OECD countries than in others. Individuals might engage in cost-benefit calculations that make them choose richer countries with more employment opportunities over poorer ones with fewer work opportunities; they might try to reduce risks and costs by using existing networks; that might prefer a more liberal country of destination over a less liberal one; they might be more likely to end up in a country that is relatively closer to their country of origin; and finally their decision might be affected by the relative asylum policy-mix of different potential countries of destination. The purpose of this chapter is not to examine necessarily competing theories but to test the relative strength of hypotheses that can be drawn from the above discussion of different possible pull factors.

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In practice this means that asylum seekers who have travelled through other countries before reaching their destination will not have their asylum application examined in the country of their choice but will be returned to the other country (Hailbronner 1993; Kjaergaard 1994).

<sup>15</sup> See definition in footnote 16 above.

## 4. Methodology

To do this, the chapter uses time-series cross-section of aggregated data for 20 OECD countries for the period 1985 to 1999 collected from UNHCR, OECD and the U.S. Committee for Refugees.<sup>16</sup> This quantitative analysis allows the testing of hypotheses regarding the existence and relative strength of the different potential pull-factors. In doing so, the chapter will control for particular country and time effects such as differences in reception capacity and fluctuations of the absolute number of asylum applications over time.

### *Dependent Variable*

When looking at the issue of asylum from an international 'burden-sharing' perspective, it is more interesting to focus on the number of *relative* asylum applications (i.e. applications per capita) across time and place, than on the *absolute* numbers of applications which has tended to dominate the public debate on asylum. Relative figures are the crucial reference figures if states want to check the success of failure of their attempt to achieve a more equitable distribution of burdens as a result of international co-operation. Also, it is also hardly surprising (nor objectionable) that in absolute terms, larger countries will tend to attract more inward migration than smaller countries. This chapter therefore seeks to explain *the number of asylum-applications in each country and for each year of the data set, relative to the population of each of these countries while controlling for variations in the number of total applications and overall population growth across all the OECD countries included in the dataset.*<sup>17</sup> To calculate the dependent variable, I used the

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<sup>16</sup> Due to data incompatibilities, the US, Canada and Australia could not yet be added to the data-set.

<sup>17</sup> Asylum applications per population is the most commonly accepted way of analysing relative burdens in this area. Controlling for GNP, instead of population size, leads to an almost identical ranking order in terms of relative burdens. As this analysis here is interested in explaining the distribution of *relative* asylum burdens over time, it does not

annual UNHCR statistics of asylum applications and OECD data on population developments. To arrive at the observations for my dependent variable for each country and each year I divided the number of asylum applications by the country's population size and put this figure in relation to the total number of asylum seekers divided by the total population of all countries under investigation.<sup>18</sup>

### *Explanatory Variables*

The explanatory variables are constructed in such a way as to allow for the examination of the five above theories on key pull-factors for asylum applications.

First, to test for economic pull factors, the chapter analyses OECD data on annual GDP growth (in percent) and the total number of registered unemployed. The expectation is that a country's relative burden will be positively correlated with its economic performance and negatively with its numbers of unemployed.

Second, to test the importance of geographic factors, I determine the average distance between the capital of a destination country and the capitals of the top five countries of origin in each year.<sup>19</sup> The expectation is that countries of destination which are geographically closer to the top five

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seek to assess the role of push-factors responsible for variations in *absolute* asylum-applications.

$$B_{i,t} = \frac{\frac{a_{i,t}}{p_{i,t}}}{\frac{A_t}{P_t}}$$

whereby the term B represents the relative number of asylum applications received in country i in year t; a stands for the absolute number of asylum applications received in country i in year t; p for the population of country i in year t; A for the sum total number of asylum applications received across all OECD countries in the dataset in year t and P represents the sum total population figure of all OECD countries in the dataset in year t.

<sup>19</sup> To do this I used a programme developed by John A. Byers which can be accessed at <http://www.wcrl.ars.usda.gov/cec/moregen.htm>.

countries of origin in any particular year will attract relatively more asylum-seekers. Table 2 lists the top five countries of origin for each year since 1985.

Insert Table 2 about here

Third, to test the role played by a country's liberal reputation, I used overseas development aid (OECD data measured in million \$) as a proxy variable for a country's 'liberalness'. I expect a more liberal country (i.e. one with relatively high ODA/GDP ratio) to attract a relatively high number of asylum seekers.<sup>20</sup>

Fourth, to test network/historic ties theories, I add (at t-1) the stock of foreign population from the top five asylum countries (at time t). The expectation is that countries with an already relatively large stock of foreign nationals from the main countries from which asylum seekers are originating in a particular year, will receive a relatively greater number of applications in relation to their size.

Finally, to analyse the importance and the effectiveness of asylum/deterrence policy measures I use a deterrence index fluctuating between 0 (lowest deterrent effect) to 5 (highest deterrent effect). To calculate the index, I analysed two sets of annual yearbooks, the OECD's 'Trends in International Migration' (SOPEMI) and the US Committee for Refugees' 'World Refugee Survey' for the years 1984-1999. Each describes and analyses developments in national asylum policy measures for each country in the chapter's data set.

Five measures in particular stand out that have been widely regarded by policy makers as having the potential to significantly influence an asylum

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<sup>20</sup> Other possible indicators for the relative 'liberalness' of a country such as number of racial attacks or percentage of extreme right wing votes in a country were not used due to the lack of reliable comparative data.

seeker's decision as to which country to apply to (UK Home Office 2002).<sup>21</sup> First, in the area of *access control*, arguably the most important measure was the introduction of so called 'safe third country' provisions, which mean that persons seeking asylum will be refused entry into a country, if on their way to this country they travelled through another state which the first country regards as safe and in which the asylum seeker could have applied for asylum. If an asylum seeker's travel route only transpires in the course of the determination procedure, he or she can be sent back to the 'safe third country'. The introduction of 'safe third country provisions' across Europe meant that asylum seekers travelling 'overland' to Europe were no longer able to legitimately claim asylum in the country of their destination, as the responsibility for their case was shifted on a neighbouring country through which they had travelled. To account for the introduction of safe third country provisions, I created a dummy variable which takes the value 1 for each year that safe third country provisions were applied in a country and the value 0 for all other years.

Second, with respect to a country's *determination procedures*, the most important potential pull factors that can be influenced by national policy-makers are the rules concerning the granting of subsidiary protection status which allows an asylum seeker to remain in a country of destination even though their application for full refugee status under the Geneva Convention is refused. Destination countries have complete discretion in defining the requirements that protection seekers have to fulfil to be awarded such subsidiary status which means that within Europe the percentage of asylum seekers allowed to stay in a country on the basis of the award of some protection status varies from single figures to over 70 percent (UNHCR 1999). Again, I have created a dummy variable which takes the value 1 if a country of destination is below the

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<sup>21</sup> Other relevant indicators such as a countries' detention and deportation rates, their visa requirements, their readmission agreements with third countries have not yet been included in the index for lack of comparative data. However, these measure are expected to positively correlate with the other indicators used here and their omission is there not expected to significantly distort the results.

average with regard to the percentage of asylum seekers it allows to stay in its country in a particular year and which takes the value 0 if the percentage of protection seekers allowed to stay is above the OECD average.

Finally, much of the discussion of the past few years has focused on the potential pull-effects entailed in a third category of asylum policy, namely that of *integration measures* for asylum seekers. Here three policy aspects are often regarded as being crucial: first, freedom of movement vs. a compulsory dispersal policy; second, cash welfare payments vs. a system of vouchers; and third, the right to work under certain conditions vs. a general prohibition to take up employment as an asylum seeker. The first of these concerns the right of asylum seekers to move freely within their country of destination until their asylum claim has been determined.

While a federal state such as Germany has always had central reception centres from which asylum seekers are dispersed to the different Länder according to their relative population size, some unitary states—most notably the UK—have recently introduced similar measures.

Although dispersal measures first and foremost are an attempt to alleviate pressures from particular (usually metropolitan) areas which are faced with a strong concentration of asylum seekers, such measures are also hoped to deter unfounded asylum claims. Second, the 'cash' payment of welfare benefits cash rather than a payment 'in kind' or through a voucher system has sometimes been regarded as a pull-factor for asylum seekers.<sup>22</sup> This has led a number of OECD countries to stop giving asylum seekers cash benefits and to replace cash payments by the direct provision of housing, food and health care. In 1999, the UK and Ireland introduced a voucher system for asylum seekers, despite the fact that the two governments were advised that such a system would be more costly to

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<sup>22</sup> The British government, for example, resisted pressures to abolish the UK's voucher scheme. Government advisors warned that 're-introducing cash benefits would create a "pull factor" for thousands more asylum seekers' ('Details of Blunkett's asylum shake up', *The Guardian*, 7 February 2002).

administer than a cash-based system.<sup>23</sup> However, governments have been attracted to vouchers due to the deterrent effect that has sometimes been ascribed to such non-cash schemes. Finally, allowing asylum seekers to work while their claim to asylum status is being assessed has also sometimes been regarded as a potential pull factor for asylum seekers. All countries of destination have work restrictions for asylum seekers in place. However, a number of countries have gone further and now prohibit asylum seekers to undertake any work until their asylum claim has been accepted.

To assess the potential deterrence effect of the above measures, three dummy variables were created which take the value 1 (for each year and country) for the existence of a dispersal scheme, a non-cash based system of benefits, and a law which prohibits asylum seekers to work until their claim has been accepted. Adding all the dummy variables for all five of the above potential deterrence measures for each country and each year, results in a country's deterrence index for a particular year.<sup>24</sup> Figure 2 charts the resulting deterrence index for the three largest EU Member States and the EU as a whole.

Insert Figure 2 about here

The expectation is that the higher the index for a particular country in a particular year, the lower that country's relative attractiveness will be and hence its relative burden stemming from asylum applications. Table 2 summarises the expected relationships between the variables discussed above.

Insert Table 3 about here

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<sup>23</sup> In the light of strong protests by human rights NGOs and rising costs, the UK has recently abandoned its voucher scheme and reintroduced the previous cash-based system.

<sup>24</sup> As a simplifying assumption, I take each of the five policy measures to have the same potential deterrence effect.

### *Model Estimation*

To estimate the relationship between these variables and relative burdens for individual countries, the chapter uses pooled time-series cross-section (TSCS) ordinary least square regressions (Stimson 1985) with panel corrected standard errors (PCSEs) (Beck and Katz 1995).<sup>25</sup> Prais-Winston transformations are used to eliminate serial correlation of the errors and to take account of cross-section and panel specific auto-correlation. In running the regression of the above independent variables on the number of relative asylum seekers, I lagged GDP growth, unemployment, foreign population and the deterrence index by one year as one might reasonably expect that it was the performance of these indicators in  $t-1$ , and not current performance, that constituted a pull factor for persons applying in the period  $t$ .

## **5. Discussion of Statistical Results**

Figure 2 shows the distribution of relative burdens as a result of asylum applications per 1000 of population over time in the twenty countries under investigation. In the majority of countries we can observe significant variations in relative burdens over time. We also observe that the relative burden of Germany over time has been comparable, and at times was considerably smaller, to that of some smaller countries such as Sweden and Switzerland. We also observe that many of the other bigger countries, in particular the UK, France, and Japan have attracted far fewer than average applications relative to their population size. Finally, one can observe that in a number of countries, most notably in Ireland

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<sup>25</sup> 'Pooled', 'panel' or 'TSCS' analysis has become a popular tool for the empirical analysis of issues in Comparative Politics and International Relations. It involves the analysis of  $N$  cross-sections (countries) and  $T$  time periods (years). It increases the number of observations available and allows for the analysis of dynamic factors in cross-national comparative research. The paper corrects for expected downward bias in standard errors and upward bias in  $t$ -statistics (Hicks 1994) by eliminating serial correlation of the errors applying Beck and Katz's standard method of 'panel corrected standard errors' (PCSE). For a recent review on 'pooling' see Beck (2001).

Belgium, Hungary and the UK, relative applications have increased significantly in more recent years.

Insert Figure 3 about here

The results of the regression analysis are presented in Table 3. We find that some historic, economic and political pull-factors have a strong impact on the distribution of asylum applications. There is also evidence that the relative leniency or restrictiveness of a country's asylum policy (expressed in the deterrence index) has a highly significant effect on the number of applications received. However, it will be shown below that the impact of the different policy measures that make up that index is highly varied.

Insert Table 4 about here

### *Economic pull factors*

As expected high unemployment figures are negatively related to relative numbers of asylum applications and this relationship is highly significant. While some displaced persons will have little or no choice where they end up applying for asylum, as travel options might be limited (or predetermined by existing trafficking routes) and due to the fact that some forced migrants might be under great time pressure to leave their country, not leaving them sufficient time to weigh their options, other asylum seekers will have more time and the ability to choose where to apply for asylum. The data analysed here suggests that economic factors do play a role when it comes to decisions about where to apply for asylum. When controlling for the other factors included in the model, one observes that countries which offer greater employment opportunities also tend to have higher relative numbers of asylum applications. This will of course be true for those economic migrants who use the asylum route in an attempt to circumvent the restrictive immigration regimes of developed countries. However, given the strength of the above correlation and the fact that almost 40 percent of all asylum seekers across OECD countries are awarded some protection status, we can reasonably interpret the above results in support of our expectation that labour market considerations do play a role in the considerations of forced migrants as well. Seeking physical security from persecution as well as economic opportunities in a country of destination can hardly be regarded as incompatible objectives for people forced to leave their country of origin. In contrast to the strong effect labour market factors, general economic growth appears to have no significant effect on the distribution of asylum seekers. Part of the reason for this might be that the OECD countries analysed here are all likely to be perceived as rich, economically thriving, industrialised countries. For new arrivals to benefit from the economic situation of a host-country, employment opportunities will tend to be more important than a country's performance with regard to short-term economic growth.

### *Historic factors/Networks*

The existence of historical ties and established networks also comes out as highly significant. The relative number of asylum applicants countries receive is strongly and positively correlated with the number of people from the main countries of origin already resident in these host-countries. This supports the suggestion that the existence of interpersonal ties, be it with relatives, friends or people from 'back home' already resident in a particular country of destination can act as a strong magnet for asylum seekers. This is not surprising as it is through such networks, information about the country of origin will be passed on to potential asylum seekers who are still in the country of origin. Despite the fact that qualitative studies suggest that the amount of information passed from relatives and friends from the destination country to potential asylum seekers before they leave is quite limited (Robinson and Segrott 2002: 41),<sup>26</sup> it appears that any kind of contact, no matter how fleeting will constitute a pull factor for potential asylum seekers that can tip the balance towards the decision to claim asylum in a particular country.

### *Liberalism*

As expected, favourable perceptions as to how liberal a potential host-country is, show a strong, and positive relationship with the relative numbers of applications that a country receives. Countries which show a high concern for people beyond their own border and engage disproportionately in efforts to alleviate underdevelopment in the third world (through ODA payments) attract larger relative numbers of asylum seekers than other countries (Thielemann 2003).

### *Distance*

Given the difficulties and costs involved in long-distance travel, we

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<sup>26</sup> Robinson and Segrott's survey and interview data suggests a number of reasons for this limited degree of prior contacts—lack of time for those who had to flee at short notice, the dangers involved in risking that others might find out about their emigration plans and loss of contact due to internal flight conditions prior to their decision to leave their country (2002: 41).

expected a negative relationship between the average distance of a host country from the principal countries of origin and that host-country's asylum burden in any particular year. However, in our dataset of 20 OECD countries, proximity as a pull factor does not produce any significant effect in the analysis. One principal reason for this will be due to the particular selection of host-countries analysed here (mostly EU countries which are closely bunched together and which—some important exceptions notwithstanding—have tended to be quite far away from the principal countries of origin). If one included host countries in the developing world, one would expect the distance variable to matter a lot more. The results might, however, also partly be explained by the fact that an asylum seeker's sense of security might increase, the further away he or she settles from the country in which they suffered persecution.

These findings suggest that one has to refrain from generalising the results of single country case studies (like that by Holzer, Schneider and Widmer, 2000) which strongly emphasise the importance of geographic proximity. Clearly there are instances when geographic proximity does matter, especially when geographic pull factors interact with other pull factors such as existing historical ties (as was the case with refugees from former Yugoslavia fleeing to Germany or Switzerland in the 1990s). However, the broader analysis across time and space reveals that in today's Europe geographic factors are more limited in their effect than has sometimes been suggested.

### *Deterrence*

The combined effects of deterrence measures, as shown in the deterrence index, comes out in the expected negative direction and does so at significant levels. The effect of policy-related factors, however, is not as significant as that of historic and economic factors. Moreover, we find that the measures analysed appear to be quite short-term in their effect. When we lag the deterrence index by more than one year, it ceases to have any

significance. Finally, if one disaggregates the measures included in the deterrence index (see Table 4), one finds that the index's significance is due to the effect of only two of the five deterrence measures analysed here: (1) not allowing asylum seekers to work until their application has been successful or until they have been allowed to stay in the host-country more permanently on the basis of a subsidiary protection status (2) granting protection status to a smaller percentage of asylum seekers (in relation to the total number of applications) than other host-states. Each of these two measures on its own is significant at the 0.05 level. Their combined significance in the deterrence index is even stronger.

Insert Table 5 about here

No significant effect in reducing asylum applications, however, could be found for the other three measures which have dominated the public policy debate on asylum in recent years. These are: (1) measures that allow states to turn asylum seekers back at their borders and return them to so-called 'safe third countries'; (2) measures that deny asylum seekers freedom of movement within a host country, i.e. the introduction of dispersal schemes and (3) measures which have meant the end to cash benefit payments to asylum seekers, e.g. through the introduction of a voucher scheme. The following will provide some initial suggestions as to how to explain the variation in effectiveness of these different measures.

### *Discussion*

At the most general level, it seems clear that information about status determination and employment opportunities do reach asylum seekers either directly or indirectly through their agents and traffickers, whereas knowledge about more detailed policy measures appears either not available to asylum seekers or not considered important enough to determine decisions regarding the choice of country of destination.

The likelihood of asylum seekers receiving some kind of status that allows them to remain in their host country should they wish to do so, unsurprisingly is of the utmost importance. We have known for some time that that host countries interpret their international obligations under the Geneva Refugee Convention in very different ways (ECRE 2000)<sup>27</sup> and that recognition rates can vary greatly between host countries at any particular time, even for asylum seekers from the same country of origin (Holzer and Schneider 2002: 43). Moreover, host countries have also dealt very differently with discretionary granting of subsidiary protection status to those asylum-seekers who do not qualify for refugee status but who host states feel cannot or should not be sent back to their country of origin. Even though asylum seekers will of course not have access to comparative league tables on which to base their decisions, information on whether or not other asylum seekers were allowed to remain in a given host country clearly appears to be transmitted back to agents, traffickers and other potential asylum seekers in the countries of origin.

Given the high significance of employment opportunities as a pull factor for asylum seekers that we found earlier, it is not surprising that a policy of not allowing asylum seekers to work until their application has been decided upon (a process that in some countries can take several years) will act as an effective deterrent to those who are in a position to choose the country in which they want to lodge their application. Again this will not only be true for those applicants whose motives are primarily economic, but also for those forced migrants who have the choice between several safe host countries.

One common problem behind the other three measures which might at least in part explain their limited effectiveness, is clearly the issue of how much knowledge about specific policy measures asylum seekers can be

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<sup>27</sup> The variation in countries' treatment of 'non-state agents of persecution' is a case in point.

expected to possess. In addition, there are a number of more specific problems with such measures that will also contribute to their limited effectiveness. In the case of safe third country provisions, problems arise as a state which wants to send a potential actual asylum seeker back to another safe third country can only do so if it can establish at least part of the migrant's transit route. Often this proves difficult as asylum seekers are either unable or unwilling (following instructions from their traffickers) to provide such information. In particular with persons who apply for asylum only once they are already inside a country (rather than at the border), that country can only hope for the cooperation of transit countries who might have already registered these individuals. Judging from past experiences, this type of cooperation is often not forthcoming. Despite efforts by the European Union to institutionalise such cooperation with the Schengen and Dublin Agreements and the joint EURODAC database, progress in this area has so far been limited (Noll 2000). Cooperation with countries outside the EU is even more difficult as here the application of safe third country provisions requires special bi-lateral or multi-lateral re-admission agreements. Therefore, the limited effect that safe third country provisions have had so far should not come as a surprise. Even in the case of the often quoted 71 percent drop in asylum applications in Germany from 1992 to 1994, which has often been attributed to the introduction of safe third country provisions with the 1993 changes to the German Basic Law, few observers appear to be aware of the fact that this drop happened against a 53 percent drop in overall applications across OECD countries and a 70 percent drop of applications from former Yugoslavia for which Germany had been the preferred country of destination in 1992. A similar explanation arguably lies behind the recent 42 percent drop in UK asylum applications (see Tables 2 & 3). These figures strongly support the argument that there are limitations when it comes to policy-based explanations for what have widely been regarded as 'asylum policy success stories'.

Insert Tables 6 & 7 about here

Regarding the remaining two measures—the denial of free movement and cash benefit payments—it is perhaps even less surprising that these measures have not deterred asylum seekers in any significant numbers. The prospect of personal safety from persecution and a green card at the end of a successful determination procedure might even make the prospect a few months on non-cash benefits in one of the less desirable regions of the host country just about bearable. The effectiveness of dispersal regimes is further reduced by the fact that, short of a general policy of detainment, there appears to be little a host-state can do to prevent the movement of those determined to join relatives or friends in other parts of the country. Even the policy of withdrawing housing and welfare assistance in such cases, as practised by some states, has not always had the wanted deterrent effect.<sup>28</sup> Finally, the role of cash benefits payments as a pull factor for asylum seekers has without doubt been greatly exaggerated in the media and by policy makers. Payments of benefits at a level that is often much less than the social assistance minimum will clearly be of limited attractiveness, in particular when many OECD countries have failed to effectively curtail illegal employment opportunities which promise vastly higher rewards.

## 5. Conclusion

This article has shown that some of the most prominent public policy measures aimed at regulating unwanted migration and at addressing the very unequal distribution of asylum seekers among OECD countries are

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<sup>28</sup> Germany for example practises such a policy and has found it wanting in particular as asylum seekers assigned to some parts of Eastern Germany chose to forfeit assistance in the light of a disproportionately high incidence of racial violence in areas that until very recently had had very little experience with (non-white) foreigners. This suggests that dispersal schemes sometimes have also failed to achieve their goal of decreasing local residents' adverse reaction towards asylum seekers which is thought to result from the concentration of such groups in metropolitan areas.

less effective than has often been assumed. In addition to the often mentioned institutional constraints that policy makers are faced with in this area (Soysal 1994; Joppke 1997), this chapter suggests four additional reasons.

First, policy making in this area sometimes appears to exaggerate the degree of choice and the level of information that asylum seekers and their agents are assumed to have. The evidence presented here suggests that asylum seekers who are in a position to choose between a number of alternative host countries do so in a rational manner on the basis of some knowledge about the real or perceived differences between these states. However, we found little evidence for the claim that there is widespread and systematic 'asylum shopping' to exploit differences in host countries' welfare provisions.

Second, the empirical analysis has shown that the most powerful explanatory factors for an asylum seeker's choice of host country are not considerations of short-term welfare maximisation but legacies of migrant networks, relative employment opportunities and asylum seekers' perceptions about the relative 'liberalness' of particular host countries. This means that asylum destination choice is affected above all by 'structural' factors that, at least in the short and medium term, are beyond the reach of asylum policy makers. There are a number of plausible reasons why it might not be greatly surprising that individual deterrence measures will be overshadowed by these other pull factors. Most importantly, ties with friends or family are likely to prove very strong even in the face of a country's not so welcoming asylum regime. Moreover, path-dependent processes can be expected to play strong roles because of the sunk costs involved in the creation of forced migration networks. Restrictive immigration control policies create a profitable niche for those exploiting the black market of international migration. Organised trafficking gangs and individual 'entrepreneurs' provide a range of

services to migrants for which they are able to charge often extortionate fees.<sup>29</sup> Networks between these traffickers, agents, potential migrants and legal residents or citizens of destination countries are costly to build and are unlikely to be given up lightly. Finally, a country's reputation as a liberal, open and fair society can be expected to evolve over decades, if not centuries, and is unlikely to be undermined overnight by the introduction of a particular set of restrictive asylum measures.<sup>30</sup>

Third, as states tend to copy deterrence measures introduced by other states, the desired impact of such attempts by one state to make its asylum policy more restrictive *relative to other potential host countries*, is often limited to a very short-term first mover advantage. The rapid spread of 'safe third country' provisions across Europe in the 1990s (Thielemann 2004), is perhaps the most prominent recent example of such processes of cross-country policy transfer which have become very common in this area.

Finally, the effectiveness of unilateral policy measures can be expected to be further undermined by multilateral efforts of international policy harmonisation (Thielemann 2004). Given the structural character of many of the pull factors identified above, we can expect attempts to harmonise asylum law across receiving countries to consolidate rather than effectively address existing disparities in the distribution of asylum burdens. By curtailing states' abilities to use differentiated policy tools to counteract the effects of country-specific structural pull factors, policy harmonisation initiatives, such as those currently developed by the

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<sup>29</sup> According to IOM figures, fees for services such as the smuggling across borders, arranging forged documents and visas, organising employment and lodging range from several hundred to over 30,000 US dollars depending on which country of origin and which host country are involved and it is estimated that more than 70 percent of asylum seekers make use of such services .

<sup>30</sup> In interviews, asylum seekers in the UK regularly mention the UK's long-standing democratic tradition as one of the factors that attracted them to Britain (Robinson and Segrott 2002)—a reputation that the introduction of a voucher scheme is unlikely to challenge.

European Union (Thielemann 2003b; 2005), further undermine the already limited capacity of states to effectively regulate asylum flows. While unilateral policy measures appear to be limited in their effectiveness, multi-lateral efforts of policy harmonisation can be expected to prove counterproductive in addressing the problem of international burden-sharing in this area.

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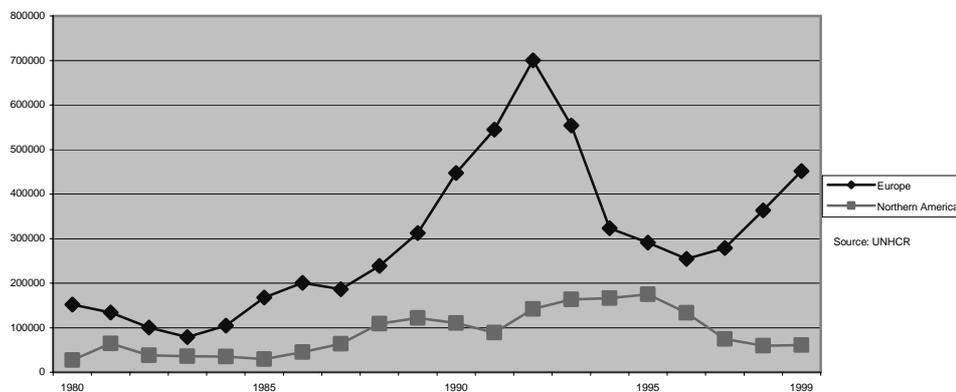
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## Figures and Tables

**Figure 1: Asylum Applications in Europe & North America, 1980-99**



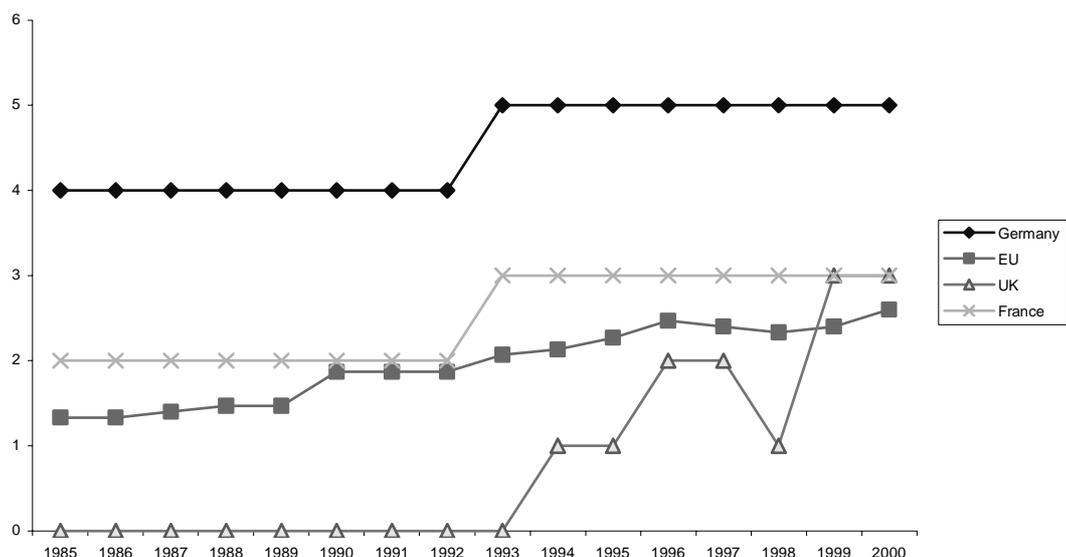
**Table 1: Average Number of Asylum Applications per Year, 1985-99  
(per thousand of population)**

<b>HIGHEST</b>				<b>LOWEST</b>			
Switzerland	3.35	Belgium	1.41	Australia	0.36	Spain	0.17
Sweden	2.64	Norway	1.23	Ireland	0.33	Czech Rep.	0.16
Germany	2.03	Canada	0.97	Greece	0.31	Italy	0.15
Denmark	1.81	EU15	0.96	US	0.28	Portugal	0.05
Netherlands	1.63	France	0.55	Finland	0.24	Poland	0.03
Austria	1.62	UK	0.46	Hungary	0.19	Japan	0

Table 2: The Main Asylum Seekers Producing Countries (Top 5)

Year/Rank	1.	2.	3.	4.	5.
1985	Sri Lanka	Iran	Turkey	Poland	Ghana
1986	Iran	Poland	Turkey	Lebanon	Ghana
1987	Turkey	Iran	Poland	Sri Lanka	Yugoslavia
1988	Poland	Turkey	Yugoslavia	Iran	Lebanon
1989	Turkey	Poland	Yugoslavia	Sri Lanka	Iran
1990	Romania	Turkey	Yugoslavia	Lebanon	Afghanistan
1991	Yugoslavia	Romania	Turkey	Albania	Sri Lanka
1992	Yugoslavia	Romania	Turkey	Bulgaria	Congo
1993	Yugoslavia	Romania	Bosnia & Herzegovina	Bulgaria	Turkey
1994	Yugoslavia	Turkey	Bosnia & Herzegovina	Romania	Iran
1995	Yugoslavia	Turkey	Iraq	Bosnia & Herzegovina	Romania
1996	Turkey	Yugoslavia	Iraq	Sri Lanka	Afghanistan
1997	Yugoslavia	Iraq	Turkey	Afghanistan	Sri Lanka
1998	Yugoslavia	Iraq	Turkey	Afghanistan	Sri Lanka
1999	Yugoslavia	Iraq	Afghanistan	Turkey	Somalia
2000	Serbia & Montenegro	Iraq	Afghanistan	Iran	Turkey
2001	Afghanistan	Iraq	Turkey	Serbia & Montenegro	Iran
2002	Iraq	Serbia & Montenegro	Turkey	Afghanistan	Russian Federation
2003	Russian Federation	Serbia & Montenegro	China	Iraq	Turkey
2004	Russian Federation	Serbia & Montenegro	China	Turkey	India

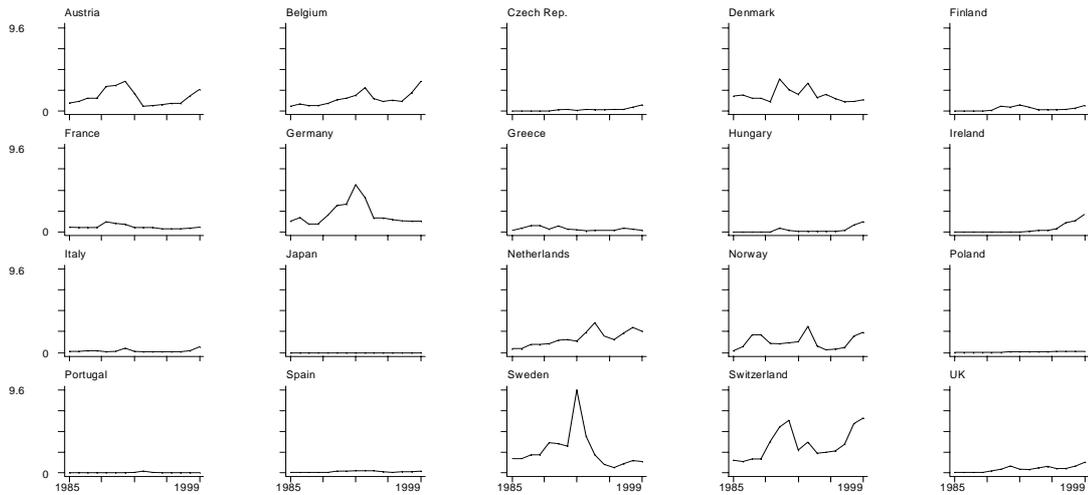
Figure 2: Asylum Policy Deterrence Index in the EU (1985-2000)



**Table 3: Expected Relationship between variables**

Independent Variables	Dependent variable: Relative number of asylum applications
<i>Economic pull factors:</i>	
* number of registered unemployed (in t-1)	-
* annual real GDP growth (in t-1)	+
<i>Historical pull factors:</i>	
*stock of foreign nationals from top five countries of origin (in t-1)	+
<i>Political pull factors</i>	
* annual ODA payments as % of GDP (in t-1)	+
<i>Geographic pull factors:</i>	
* average geographic distance between capital of a destination country and capitals of the top five countries of origin	-
<i>Policy related pull factors:</i>	
* deterrence index ( in t-1)	-

Figure 3: Relative Asylum Burdens, 1985-99



**Table 4: Determinants for the Relative Number of Asylum Applications**

	<i>Expected Sign</i>	<i>Coef</i>	<i>z</i>
<b>Number of Unemployed (lagged)</b>	-	-.0007394	-7.49***
<b>GDP growth (lagged)</b>	+	.0023206	0.12
<b>Stock of Foreign Nationals (lagged)</b>	+	.0012462	8.20***
<b>Relative ODA Payments</b>	+	1270083	2.88***
<b>Average Distance</b>	-	0.00000382	0.08
<b>Deterrence Index</b>	-	-.2266697	-2.56***

N=227; R-squared = 0.41; \*\*\*p<0.01

**Table 5: Impact of Individual Deterrence Measures**

<b>Deterrence Measure</b>	<i>Expected Sign</i>	<i>Coef</i>	<i>Z</i>
<b>Below Average Recognition Rate</b>	-	-.2714122	-2.40**
<b>Prohibition to Work</b>	-	-.4578465	-2.31**
<b>Safe Third Country Provisions</b>	-	-.1900568	-1.13
<b>No Freedom of Movement</b>	-	-.0748292	-0.30
<b>Non-Cash Benefit Payments</b>	-	-.1256857	-1.40

N= 227; R-squared = 0.41; \*\*p<0.05

**Table 6: Questioning the Effect of Restrictive Policy Measures: The Case of Germany**

	1992	1994	Drop
Asylum Applications in Germany	438191 (62% of total)	127210 (38% of total)	71%
Asylum	708984	335811	53%

Applications in Europe			
Asylum Applications from former Yugoslavia in Europe	419637	124149	70%
Asylum Applications from former Yugoslavia in Germany	223555 (52%)	55034 (43%)	75%

Table 7: Questioning the Effect of Restrictive Policy Measures: The Case of the UK

	1992	1994	Drop
Asylum Applications in UK	103080	60050	42%
Asylum Applications in Europe	480559	293653	39%
Asylum Applications from Iraq in industrialised world	51516	9894	81%
Asylum Applications from Iraq in the UK	14570 (28%)	1890 (19%)	87%