

# The Scale and Impacts of Money Laundering

### Brigitte Unger

Utrecht School of Economics, Utrecht University, The Netherlands

With a contribution of Elena Madalina Busuioc

Utrecht School of Governance, Utrecht University, The Netherlands

**Edward Elgar** 

Cheltenham, UK • Northampton, MA, USA

#### © Brigitte Unger 2007

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical or photocopying, recording, or otherwise without the prior permission of the publisher.

Published by Edward Elgar Publishing Limited Glensanda House Montpellier Parade Cheltenham Glos GL50 1UA UK

Edward Elgar Publishing, Inc. William Pratt House 9 Dewey Court Northampton Massachusetts 01060 USA

A catalogue record for this book is available from the British Library

#### Library of Congress Cataloguing in Publication Data

Unger, B. (Brigitte)

The scale and impacts of money laundering / Brigitte Unger.

p. cm.

Includes bibliographical references and index.

1. Money laundering-Netherlands. I. Title.

HV6771.N4U64 2007

364.16'8-dc22

2006035573

ISBN 978 1 84720 223 9

Printed and bound in Great Britain by MPG Books Ltd, Bodmin, Cornwall

# The Scale and Impacts of Money Laundering

#### **Abbreviations**

ACFE Association of Certified Fraud Examiners

AFP Australian Federal Police AML Anti-Money Laundering

ARBIFT Arab Bank for Investment and Foreign Trade

AUSTRAC Australian Transaction Reports and Analysis Centre BFI Special Financial Office (in Dutch: Bijzondere Financiële

Instelling) also called SPE or SPV

BIS Bank of International Settlements

BSA Bank Secrecy Act

CBS Dutch Central Bureau of Statistics (in Dutch: Centraal Bureau

voor Statistiek)

CEO Chief Executive Officer

CFATF Caribbean Financial Action Task Force

CFE Certified Fraud Examiner

CFT Countering Financing of Terrorism

CIA Central Intelligence Agency

CPB Dutch Central Planning Bureau (in Dutch: Centraal Plan

Bureau)

DNB Dutch National Bank

DYMIMIC Dynamic Multiple Indicators Multiple Causes

EC European Commission
ECJ European Court of Justice
EG Egmont Group member
ESD EU's Saving Tax Directive

EU European Union

FATF Financial Action Task Force

FD Financial Deposits

FDI Foreign Direct Investment

FIOD-ECD Dutch Fiscal Intelligence and Investigation Unit and the Eco-

nomic Control Service (in Dutch: Fiscale Inlichtingen en Opsporingsdienst en de Economische Controle Dienst)

FIU Financial Intelligence Unit FSF Financial Stability Forum

FTR Act Financial Transaction Report Act
GAO Government Accountability Office

xiii

GDP Gross Domestic Product

GWK Border Currency Change Office (in Dutch: Grens Wissel

Kantoor)

IBC International Business Companies
IMF International Monetary Fund
IRS Internal Revenue Service

MOT Dutch FIU (in Dutch: Melding Ongebruikelijke Transacties)
NCC Dutch Central Catalogue (in Dutch: Nederlandse Centrale

Catalogus)

NCCTs Non-Cooperative Countries and Territories

NVB Dutch Bank Association (in Dutch: Nederlandse Vereniging

van Banken)

ODA Official Development Aid

OECD Organization of Economic Cooperation and Development

OFAC Office of Foreign Act
OFC Offshore Financial Centre

SIOD Dutch Social Intelligence and Investigation Unit (in Dutch:

Sociale Inlichtingen en Opsporingsdienst)

SIRCA Securities Industry Research Centre of Asia Pacific

SPE Special Purpose Entity SPV Special Purpose Vehicle

SWIFT Society for Worldwide Interbank Financial Telecommunication

TFP Total Factor Productivity
TNI Trans National Institute
UAE United Arab Emirates
UN United Nations

UNDCP United Nations Drugs Control Program
UNODC United Nations Office on Drugs and Crime

VAT Value Added Tax

WODC Dutch Scientific Research and Documentation Centre

(in Dutch: Wetenschappelijk Onderzoek en Documentatie

Centrum)

Wtt Law on Control of Trust Offices (in Dutch: Wet op Toezicht

Trustkantoren)

WVV By the Judge estimated proceeds of a crime (in Dutch:

Wederrechtelijk Verkregen Voordeel)

## Foreword and Acknowledgements

This book is the outcome of a project on 'The Amount and the Effects of Money Laundering' for the Dutch Ministry of Finance, completed in February 2006 by the Utrecht School of Economics, with the support of scholars of the Australian National University in Canberra. The project participants came from five countries and four disciplines and included in alphabetic order Madalina Busuioc, Joras Ferwerda, Wouter de Kruijf, Greg Rawlings, Melissa Siegel, Brigitte Unger and Kristen Wokke. They have all participated in the project with great enthusiasm, diligence and energy. We thank Madalina Busuioc from Romania, for her knowledge of law and wonderful writing style; Joras Ferwerda from the Netherlands, who dealt with the 44,000 entries of the 220 by 220 matrices and who would not give up until he had found an answer to his research question; Wouter de Kruijf from the Netherlands, who kept control over the research output and organized everything so that the different parts of the book fitted together; Melissa Siegel, a social scientist from the US, who pioneered in unpacking the Walker model for money laundering and who had to collect, organize and deal with a huge amount of new data; Kristen Wokke, a Dutch student who wrote his bachelors thesis on the organization of money laundering policies. Greg Rawlings, an anthropologist from the Australian National University, was the consultant of this project. I, Brigitte Unger, an economist from Austria and the Utrecht School of Economics, was the project leader. Marissa van der Valk and Andrea Naylor gave administrative support. Joost Simons and his wife corrected some of the English. Titia Kloos, Willemien Vreekamp and Frans van Eck did the lay out. I thank this young and sparkling project research team, without whose preceding work, help, and support this book would not have been possible.

Many other people have helped as well. Thanks to all of them. In particular I want to mention Eric van Andel, Frank van Erp, Ben Geurts, Bernhard ter Haar, Erich Hille, Edward Kleemans, Oberinspektor J. Mahr, Piet van Reenen, Helene Schuberth, Marret Smekens, Brigitte Slot, Eva Stohanzl, and Pieter Verrest, who accompanied the project as it progressed. Furthermore, I extend my appreciation to the Dutch Central Bank (De Nederlandse Bank), The Dutch Ministry of Finance, and the Dutch Banking Association NVB.

Thanks also to the colleagues of Utrecht School of Economics, in particular to Rob Alessie, Ian Peter Engelen, Gerrit Faber, Filipa Figueira, Peter de Gijsel, Jaap Bos, Bas van Groezen, Loek Groot, Harry Garretsen, Hannah Kiiver,

Clemens Kool, Thijs Knaap and Ian Reijnders. Donato Masciandaro from Bocconi University Milano, Italy, and Raffaella Barone from the University of Lecce, Italy, also gave useful hints and comments.

I also want to mention Frans van Waarden from University College of Utrecht University, who alternated in reading parts of the manuscript and in cheering up the author.

A very special thanks goes to Greg Rawlings whom I met at the Regulatory Institutions Network (RegNet) in Australia. When he showed me his beautiful PhD on money laundering in Vanuatu, I really somehow regretted that economists when compared to anthropologists, have such a dry and limited use of language. He not only helped to shape the project from the very beginning, but also contributed substantially to the introduction of this book. It was he who analysed recent spectacular money laundering cases of Austrian and Dutch banks, it was he who first mentioned the Australian 'Walker' model to me on which the money laundering estimates in this book are based, it was he who introduced me to new data sets and literature. Greg always gave very valuable insights and comments and was very pleasant company. Thank you Greg.

Thanks to John and Valerie Braithwaite at the Regulatory Institutions Network (RegNet) at the Australian National University, and to all the colleagues there, who helped to design the original project draft.

While the research report for the ministry focused on the Netherlands solely, this book tries to incorporate a comparative perspective, by also bringing in money laundering cases from Australia and other countries. Australia is interesting because it is of about the same economic size as the Netherlands. It has a very special location because it is surrounded by a ring of islands of unrest, crime and money laundering, and therefore is an attractive transit country for launderers. Nauru, Vanuatu, Solomon Islands are some of these islands, just to name a few.

The findings of this project received widespread attention in the Dutch media. I am grateful to the Dutch journalists, whose expertise and professionalism allowed a serious public debate. I hope that this book will contribute to enhance the debate between different academic disciplines.

## Contents

T. 1	,		
Tab			ix xi
_	Figures Abbreviations		
			Xiii
FOF	eword	and Acknowledgements	XV
1.	Intro	oduction	1
	1.1.	Money Laundering, Risk Management and Bank Secrecy	1
	1.2.	Wiring Iran, Sanction Busting with Libya	2
	1.3.		
		The Collapse of Refco and Austria's BAWAG Bank	4
	1.4.	Developing Definitions and Measuring Money Laundering:	
		Controversies and Political Contexts	6
	1.5.	Money Laundering: Conceptual Problems	7
	1.6.	Estimating the Amounts of Money Laundering	8
	1.7.	Techniques of Laundering	10
	1.8.	Effects of Money Laundering	12
2.	Defining Money Laundering		15
	(Eler	na Madalina Busuioc – Utrecht School of Governance)	
	2.1.	Introduction	15
	2.2.	General Background	16
	2.3.	The Challenge: A Patchwork of Predicate Crimes	16
	2.4.	Relevance of the Issue: Drawbacks on the Fight against	
		Money Laundering at the National and International Level	18
	2.5.	Redeeming Efforts at the European Level	21
	2.6.	Conclusions	25
3.	Way	s of Quantifying Money Laundering	29
	3.1.	Measuring the Immeasurable	29
	3.2.	Measurement without Theory	32
	3.3.	The Walker Model	42
	3.4.	Suggestions for Improving Measurements of Money	
		Laundering	47

	3.5.	Modelling Money Laundering: Lessons Learned from International Trade Theory – a Revised Walker Model	52
4.		uring Money Laundering for Australia and the Netherlands  Melissa Siegel and Joras Ferwerda)	57
	4.1.	The Controversy on Global Money Laundering: Is it Big	
		or Small?	57
	4.2.	The Seven Steps of the Walker Model	60
5.	How Money is Being Laundered		
	(With	Madalina Busuioc)	
	5.1.	Laundering Techniques in the Placement Phase	89
	5.2.	Laundering Techniques in the Layering Phase	93
	5.3.	The Integration Phase	100
	5.4.	New Money Laundering Risks	104
	5.5.	Chasing Dirty Money and Changes in Behaviour	107
6.	Short	Term Effects of Money Laundering	109
	6.1.	Losses to the Victim and Gains to the Perpetrator of a Crime	113
	6.2.	Distortion of Consumption and Savings	122
	6.3.	Distortion of Investment and Sector Effects	129
	6.4.	Artificial Increase in Prices	131
	6.5.	Unfair Competition	132
	6.6.	Changes in Imports and Exports	133
	6.7.	Effect on Output, Income and Employment	134
	6.8.	Lower Revenues for the Public Sector	137
	6.9.	Changes in the Demand for Money, Exchange Rates and	
		Interest Rates	138
	6.10.	Increase in the Volatility of Interest Rates and Exchange	
		Rates	140
	6.11.	Greater Availability of Credit	140
		Higher Capital In- and Outflows	141
		Distorting Economic Statistics	141
7.	Long	Term Effects of Money Laundering	143
	7.1.	Threatens Privatization	143
	7.2.	Changes in Foreign Direct Investment	144
	7.3.	Risks for the Financial Sector, Solvability, Liquidity	145
	7.4.	Profits for the Financial Sector	145
	7.5.	Reputation of the Financial Sector	145
	7.6.	Illegal Business Contaminates Legal Business	146
	77	Corruption and Bribery	1/10

		Contents	vii
	7.8.	Negative or Positive Effect on Growth Rates	150
	7.9.	Undermines Political Institutions	156
	7.10.	Undermines Foreign Policy Goals	158
	7.11.	Money Laundering Increases Crime	160
	7.12.	Increases Terrorism	170
	7.13.	Major Findings	174
8.	Conclusions		183
	8.1.	Major Findings of the Book	188
Bibliography		195	
Index		217	

# Tables

4.1	The proceeds of crime and money laundering in Australia	
	in A\$ (millions)	62
4.2	Australian domestically generated money for laundering	64
4.3	Proceeds of crime and money laundering in the Netherlands	66
4.4	The Dutch money generated for laundering (Walker model	
	recalculated)	68
4.5	Differences in numbers of crimes in the Netherlands	
	according to source	69
4.6	Different estimates of generated money for the Netherlands	69
4.7	Generated money from criminal activities in the Netherlands	70
4.8	Top 20 origins of laundered money (Walker 1999)	72
4.9	Proceeds from crime in the US	73
4.10	The correlation matrix of the attractiveness variables	76
4.11	New index of attractiveness	77
4.12	Top 20 destinations of laundered money	80
4.13	Inflows of money and domestic laundering in Australia in million	
	US\$	82
4.14	Inflows of money and domestic laundering in the Netherlands	
	in million US\$	84
6.1	The effects of money laundering described in the literature	110
6.2	Estimates on the costs and benefits of drugs	117
6.3	Estimates on the costs and benefits of fraud	121
6.4	Total amount of crime money and number of suspects	
	by size 1993 till 1999	123
6.5	The spending behaviour in 52 big criminal cases in	
	millions of guilders	124
6.6	The behaviour of criminals in the 52 'million cases'	125
6.7	Spending behaviour of drug dealers and fraud committers	126
6.8	Asset ownership of Dutch households from survey data in 1998	127
6.9	Asset rates of Dutch households from survey data in 1998	128
6.10	Input output multipliers, by sector of industry for Australia	136
7.1	Corruption perception index for the European Union	
	countries and selected other countries in 2005	149
7.2	Types of crime reported, in percentages (in 1995)	153
7.3	Dutch foreign aid and criminal money flows in million €	159

7.4	Effects of money laundering summarized	175
7.5	The regression output of Ferwerda and Bosma (2005)	
	in Unger et al. (2006)	180

The Scale and Impacts of Money Laundering

X

# Figures

3.1	Money laundering and the shadow economy	31
3.2	Unusual housing price increases in the city of Amsterdam	
	in 2004–2005	39
3.3	Measuring unobservable variables	41
3.4	Flows of money captured in the Walker model	43
4.1	Netherlands: Number of executed suspicious transactions	
	by country of origin	86
4.2	Netherlands: Number of executed suspicious transactions	
	by country of destination	87
5.1	The three phases of laundering	90
5.2	Geographical distribution of gross BFI (SPE) transactions	99
6.1	Tangible and intangible costs of illicit drug abuse in	
	Australia	114
7.1	The model of Masciandaro (1999) modified	165
7.2	The Unger crime multiplier with an interest rate of 50%	168
7.3	The Masciandaro crime multiplier with an interest rate	
	of 50%	169
7.4	The Unger crime multiplier with an interest rate of 100%	169
7.5	The Masciandaro crime multiplier with an interest rate	
	of 100%	170

#### 1. Introduction

# 1.1. MONEY LAUNDERING, RISK MANAGEMENT AND BANK SECRECY

ABN AMRO is one of the world's largest banks. Incorporated in the Netherlands with its headquarters in Amsterdam, it has some 3000 branches and subsidiaries spread over 60 countries. It is valued at some US\$830 billion. In December 2005 the US Federal Reserve Board, the New York Banking Department and the Illinois Department of Financial and Professional Regulation fined ABN AMRO, US\$80 million for violating state and federal Anti Money Laundering (AML) rules and regulations (US Federal Reserve et al. 2005). US authorities, in conjunction with the Central Bank of the Netherlands, found that ABN AMRO lacked adequate risk management procedures and legal review methods; lacked effective systems of corporate governance and audit; transferred and cleared funds and issued letters of credit that contravened US laws; failed to adequately report suspicious activities; did not follow-up on negative findings from internal audits; failed to investigate enquiries referred to its New York branch and overstated its due diligence procedures when dealing with 'high-risk' correspondent banking customers (De Nederlandsche Bank NV, US Federal Reserve Board, State of Illinois and the New York Banking Department 2005, pp. 2–4). Dutch and US authorities found that ABN AMRO had engaged in 'unsafe and unsound practices' contravening the laws of both countries (De Nederlandsche Bank NV, US Federal Reserve Board, State of Illinois and the New York Banking Department 2005, p. 5).

In levying its US\$80 million fine, US authorities found ABN AMRO to be in contravention of three out of the four AML compliance criteria. For example, in failing to maintain an adequate system of internal controls the bank also failed to integrate publicly available data regarding 'shell companies' into its automated monitoring systems. Between August 2002 and September 2003 the North American Regional Clearing Centre processed 20,000 wire transfers totaling US\$3.2 billion for shell companies (which can be Special Purpose Entities [SPEs]) providing corporate vehicles for clients from Russia and the former Soviet Union.<sup>2</sup> These shell companies incorporated in the US, not some exotic offshore 'tax haven' jurisdiction, could be used to conceal the beneficial identity of their shareholders, including criminals disguised as 'investors'

seeking to launder funds (US Department of the Treasury Financial Crimes Enforcement Network 2005, p. 5). US regulators observed that:

The New York Branch of ABN AMRO failed to adequately evaluate this readily available information and implement sufficient transaction monitoring systems and controls for shell company activity. Instead, and only upon strong urging from regulators, the New York Branch of ABN AMRO commenced an analysis of the activity in August 2003 – one year after many of the transactions occurred (US Department of the Treasury Financial Crimes Enforcement Network 2005, p. 5).

The Financial Crimes Enforcement Network also reported that ABN AMRO's New York branch failed to provide an adequate number of personnel to manage compliance with the US Bank Secrecy Act (BSA)<sup>3</sup> and the staff that did work in this area received insufficient training. Staff 'in critical positions' appeared to 'have a lack of knowledge on the detection and reporting of suspicious transactions – a deficiency especially serious considering the substantial risk of facilitating money laundering that confronted the New York Branch of ABN AMRO' (US Department of the Treasury Financial Crimes Enforcement Network 2005, p. 6).

#### 1.2. WIRING IRAN, SANCTION BUSTING WITH LIBYA

This volume seeks to estimate national (with case studies of the Netherlands and Australia) and global volumes of money laundering. Flows of laundered funds have definitive economic effects, particularly on growth and costs of crime. However, estimates of both the amounts and effects of money laundering need to be situated within their legal and regulatory contexts. What is money laundering in one country is not necessarily the same offence in another state. This has an impact on what and how money laundering is measured and how the amounts and effects are calculated. If anything shows more clearly the problems of defining money laundering and providing an accurate global base-line for measuring the amounts and effects of laundered funds, it was ABN AMRO's dealings with Iran and Libya. Half of the US\$80 million fine levied against the bank was authorised by the Office of Foreign Assets Control (OFAC), part of the Department of the Treasury. OFAC regulates and prohibits specified transactions between the US and Iran and Libya (US Federal Reserve et al. 2005). The US Libyan Sanctions Regulations gave force to United Nations (UN) resolutions imposing economics measures against Libya in response to past involvement with international terrorism. All countries agreed to these sanctions and therefore any violation of them could give rise to allegations of money laundering that would be valid across borders. The Iranian Transactions Regulations however, by which Washington imposes sanctions unilaterally on Introduction 3

Iran, are specific to the US. No other major trading nation imposes such measures against Iran. Therefore, a US company dealing surreptitiously with Iran and without approval of the OFAC could be charged with money laundering. Any non-US company in a third country however, is perfectly free to trade with state-owned and private Iranian firms. Because domestic laws govern these transactions as it applies in specific third countries, and not US laws, there are no money laundering charges to be answered. In other words, what constitutes money laundering under US law may not constitute money laundering anywhere else.

ABN AMRO is defined as a foreign bank in the US, including its New York and Chicago Branches. Despite this, OFAC regulations covering Iran and Libya apply to ABN AMRO regardless of whether of not transactions are routed through the US or a third country if they involve US individuals and/or corporate entities. These regulations effectively blur the boundaries between the US and third countries. Up until August 2004 ABN AMRO's New York branch processed wire transfers remitted by Bank Meli Iran. It also honored Bank Meli's letters of credit. These transactions were sub-contracted out to ABN AMRO's third-country branches, which then obscured any reference to Bank Meli (US Federal Reserve et al. 2005, p. 5).

ABN AMRO's Chicago and New York branches were simultaneously dealing with a Libyan state chartered bank registered in the United Arab Emirates, the Arab Bank for Investment and Foreign Trade (ARBIFT). US authorities observed that

'Prior to August 1, 2004, the Chicago Branch of ABN AMRO cleared US dollars checks for ARBIFT. The cleared checks were submitted by one of ABN AMRO's overseas branches, which had arranged for ARBIFT to not endorse or stamp the checks' (US Federal Reserve et al. 2005, p. 6).

These dealings with Iran and Libya were found to violate US regulations, specifically transactions that have cloaking features that can be used to avoid or evade the specific compliance requirement when engaged in commercial or financial ventures with these two countries. In addition to the US\$ 40 million fine (out of the total of US\$ 80 million) levied against ABN AMRO for these specific infringements of the Iranian Transactions Regulations and the Libyan Sanctions Regulations, the OFAC ordered the bank to undertake independent audits. These were deemed necessary to review operations and transactions in ABN AMRO's Dubai (UAE) and Chennai (India) branches to determine the extent of US commercial relations with Iran and India. Presumably, charge information could then be used to launch investigations into specific instances of money laundering.

What is important here, is that such commercial arrangements between US individuals and firms and Iran would only constitute a money laundering offence