

# Contents

	<b>Abstract</b>	7
<b>1</b>	<b>Introduction</b>	9
<b>2</b>	<b>How scarce will collateral become?</b>	11
<b>3</b>	<b>Collateral optimisation</b>	15
3.1	Information is key to collateral optimisation	15
3.2	Efficient allocation of collateral (reducing internal collateral fragmentation)	16
	Box 1 Reducing internal collateral fragmentation (in-house or with service provider)	18
3.3	Improving access to collateral (reducing external collateral fragmentation)	21
	Box 2 Reducing external collateral fragmentation (using collateral service provider)	23
<b>4</b>	<b>Re-use and re-hypothecation</b>	25
	Box 3 Collateral re-use and collateral re-hypothecation	26
<b>5</b>	<b>Collateral transformation</b>	29
	Box 4 Collateral transformation	30
<b>6</b>	<b>Risks</b>	35
6.1	Collateral optimisation	35
6.2	Collateral re-use and rehypothecation	36
6.3	Collateral transformation	37
6.4	Evaluation of the risks	39
<b>7</b>	<b>Policy options</b>	41
7.1	The role of central banks' frameworks	41
7.2	Balancing the risks and benefits of collateral re-use and rehypothecation	42
7.3	Mitigating the risk of too low or unstable collateral buffers	42
7.4	Mitigating the risks of greater interdependencies and complexity	43
7.5	Mitigating increased counterparty and related risks	44
7.6	Mitigating the risk of procyclicality	45
<b>8</b>	<b>Executive summary</b>	47
	<b>Appendix</b>	51
	<b>References</b>	53