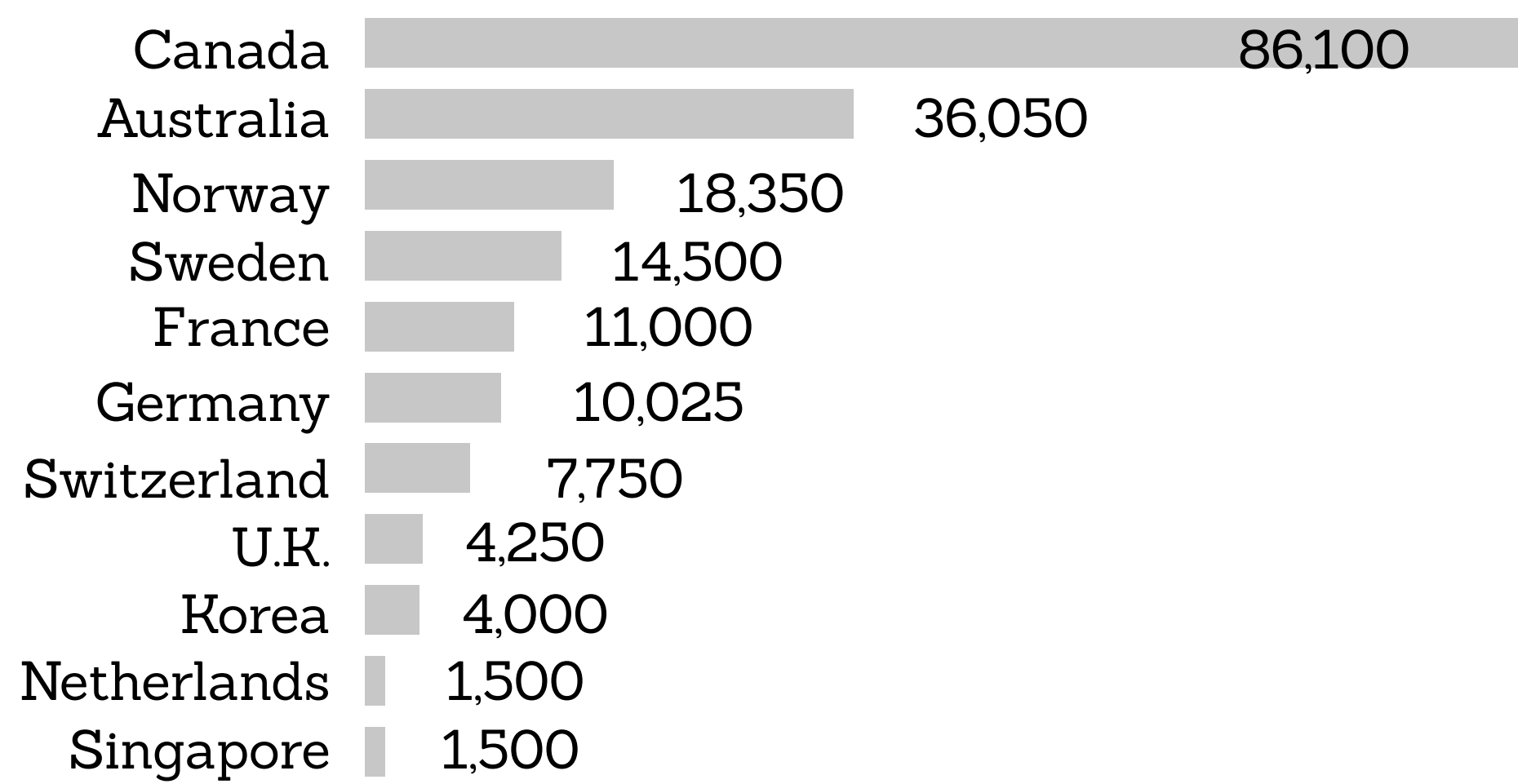


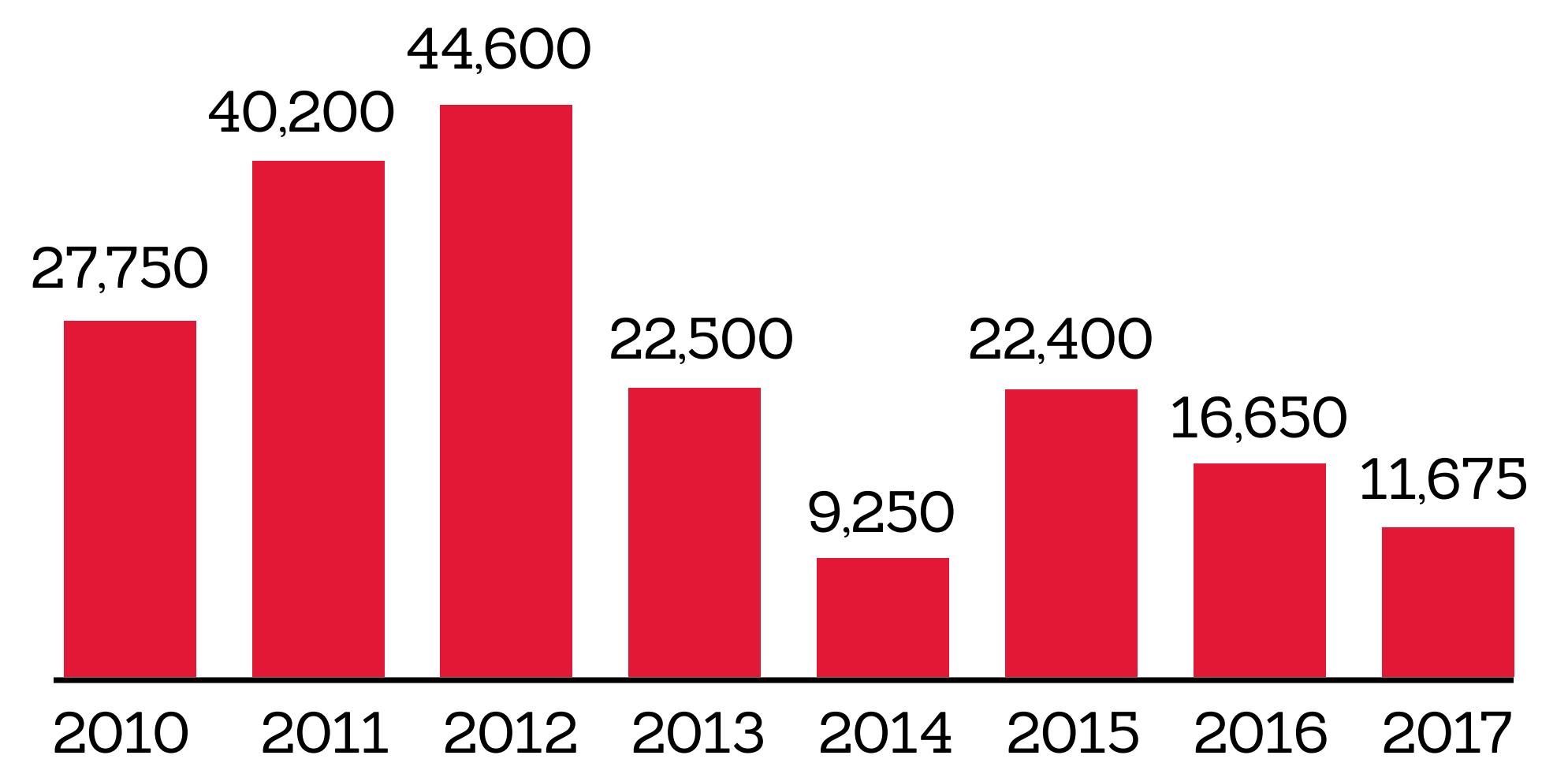
COVERED BONDS

Covered bonds are senior, secured debt securities of a regulated financial institution. As with typical secured debt securities, if the issuing bank defaults, the collateral is used to cover any shortfall in payments due by the bank on the covered bonds. With covered bonds there is the added feature that, so long as there is sufficient collateral, the covered bonds are not accelerated, but rather paid on their scheduled payment dates. If the collateral at any time is inadequate to make all scheduled payments on the covered bonds, all outstanding covered bonds are accelerated and paid pro rata from the proceeds of the collateral in the same manner as typical secured debt.

U.S. Dollar Issuances by Country 2010-2017



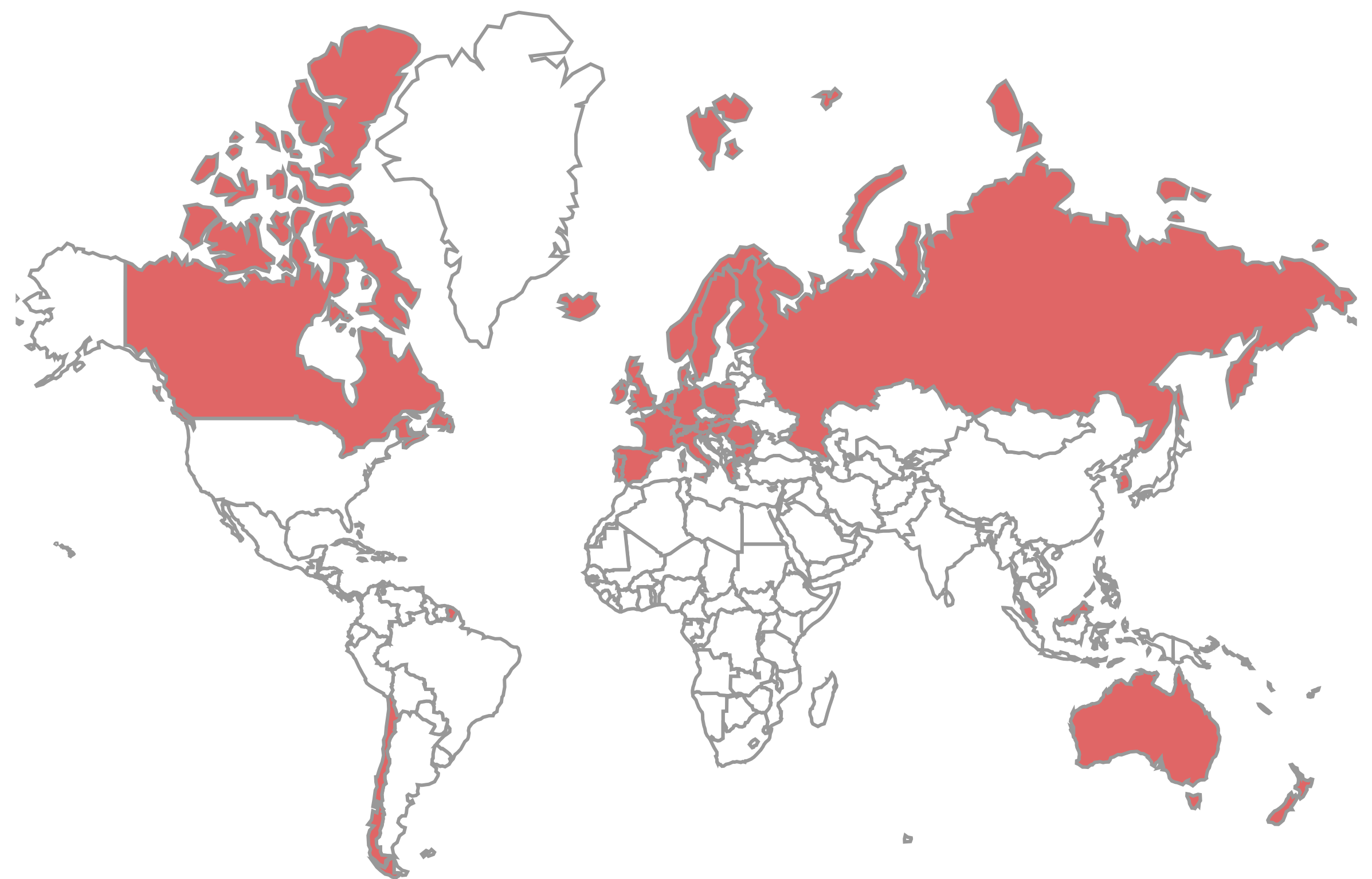
Total U.S. Dollar Issuances 2010-2017



Countries with Covered Bonds Legislation

34

- | | | |
|----------------|-------------|----------------|
| Australia | Greece | Russia |
| Austria | Hungary | Singapore |
| Belgium | Iceland | Slovakia |
| Bulgaria | Ireland | Slovenia |
| Canada | Italy | South Korea |
| Chile | Luxembourg | Spain |
| Cyprus | New Zealand | Sweden |
| Czech Republic | Netherlands | Switzerland |
| Denmark | Norway | Turkey |
| Finland | Poland | United Kingdom |
| France | Portugal | |
| Germany | Romania | |



Outstanding U.S. Dollar Covered Bonds by Tenor

Tenor	% of Total CBs Outstanding	USD Amount Outstanding
3yr	8.9%	7,175
4yr	1.3%	1,100
5yr	84.7%	68,200
7yr	3.1%	2,500
10yr	1.8%	1,500

2017 Canadian Covered Bond Issuances by Currency

