







# UBS ETFs Market Makers & Authorized Participants

	 <b>Switzerland</b> CISA ETFs Cash- + Swap-based [SF]	 <b>Luxembourg</b> UCITS ETFs Cash-based	 <b>Ireland</b> UCITS ETFs Cash-based		
<b>Product Category</b>	UBS ETF (CH)	UBS (Lux) Fund Solutions	UBS (Irl) ETF plc		
<b>Custodian bank</b>	UBS Switzerland AG	State Street Bank International GmbH	State Street Custodial Services (Ireland) Limited		
<b>Fund Management Company</b>	UBS Fund Management (Switzerland) AG	UBS Fund Management (Luxembourg) S.A.	UBS Fund Management (Ireland) Limited		
<b>Index provider</b>	<ul style="list-style-type: none"> <li>• Bloomberg – CMCI</li> <li>• London Bullion Market Association (LBMA)</li> <li>• London Platinum and Palladium Market (LPPM)</li> <li>• SIX Swiss Exchange</li> </ul>	<ul style="list-style-type: none"> <li>• Bloomberg</li> <li>• FTSE</li> <li>• JP Morgan</li> <li>• Markit iBoxx</li> </ul>	<ul style="list-style-type: none"> <li>• MSCI</li> <li>• SIX Swiss Exchange</li> <li>• STOXX</li> </ul>	<ul style="list-style-type: none"> <li>• DOW JONES</li> <li>• MSCI</li> <li>• Solactive</li> <li>• Standard &amp; Poor's</li> </ul>	
<b>Stock exchanges</b>	SIX Swiss Exchange Mexican Stock Exchange	<ul style="list-style-type: none"> <li>• Borsa Italiana</li> <li>• Xetra</li> <li>• London Stock Exchange LSE</li> <li>• SIX Swiss Exchange</li> </ul>	<ul style="list-style-type: none"> <li>• Euronext Amsterdam</li> <li>• Mexican Stock Exchange</li> </ul>	<ul style="list-style-type: none"> <li>• Borsa Italiana</li> <li>• XETRA</li> <li>• London Stock Exchange</li> <li>• Mexican Stock Exchange</li> <li>• SIX Swiss Exchange</li> <li>• Euronext Amsterdam</li> </ul>	
<b>Authorized participants</b>	<ul style="list-style-type: none"> <li>• Bank Julius Baer &amp; Co. AG</li> <li>• Deutsche Bank AG</li> <li>• DRW Global Markets Ltd</li> <li>• Flow Traders B.V.</li> <li>• Goldenberg Hehmeyer LLP</li> <li>• Goldman Sachs International</li> <li>• HSBC Bank plc</li> <li>• Jane Street Financial Limited</li> <li>• Morgan Stanley &amp; Co International plc</li> <li>• Old Mission Europe LLP</li> <li>• Optiver V.O.F.</li> <li>• Societe Generale</li> <li>• Susquehanna Intl. Sec. Ltd</li> <li>• UBS AG</li> <li>• Unicredit Bank AG</li> <li>• Virtu Financial Ireland Limited</li> </ul>	<ul style="list-style-type: none"> <li>• ABN AMRO Clearing Bank N.V.</li> <li>• Baader Bank AG</li> <li>• Banca Sella Holding S.P.A.</li> <li>• Bank Julius Baer &amp; Co. AG</li> <li>• Barclays Capital Securities Limited</li> <li>• Citigroup Global Markets Ltd</li> <li>• Deutsche Bank AG</li> <li>• DRW Global Markets Ltd</li> <li>• Flow Traders B.V.</li> <li>• Goldenberg Hehmeyer LLP</li> <li>• Goldman Sachs International</li> <li>• HSBC Bank plc</li> <li>• HRTEU Limited</li> </ul>	<ul style="list-style-type: none"> <li>• Jane Street Financial Limited</li> <li>• Jefferies GmbH</li> <li>• JP Morgan Securities PLC</li> <li>• Merrill Lynch International</li> <li>• Morgan Stanley &amp; Co International plc</li> <li>• Old Mission Europe LLP</li> <li>• Optiver V.O.F.</li> <li>• RBC Europe Ltd</li> <li>• Societe Generale</li> <li>• Susquehanna Intl. Sec. Ltd</li> <li>• UBS AG</li> <li>• UniCredit Bank AG</li> <li>• Virtu Financial Ireland Limited</li> </ul>	<ul style="list-style-type: none"> <li>• Baader Bank AG</li> <li>• Banca Sella Holding S.P.A.</li> <li>• Bank Julius Baer &amp; Co. AG</li> <li>• Citigroup Global Markets Ltd</li> <li>• DRW Global Markets Ltd</li> <li>• Flow Traders B.V.</li> <li>• Goldenberg Hehmeyer LLP</li> <li>• Goldman Sachs International</li> <li>• HRTEU Limited</li> <li>• HSBC Bank plc</li> <li>• Jane Street Financial Limited</li> </ul>	<ul style="list-style-type: none"> <li>• JP Morgan Securities PLC</li> <li>• Morgan Stanley &amp; Co International plc</li> <li>• Old Mission Europe LLP</li> <li>• Optiver V.O.F.</li> <li>• RBC Europe Ltd</li> <li>• Societe Generale</li> <li>• Susquehanna Intl. Sec. Ltd</li> <li>• UBS AG</li> <li>• UniCredit Bank AG</li> <li>• Virtu Financial Ireland Limited</li> </ul>

# UBS ETFs Market Makers & Authorized Participants

	 <b>Ireland</b> UCITS ETFs Swap-based [SF]	 <b>Switzerland</b> Cash- + Swap-based [SF]	 <b>Ireland</b> SPV Cash
<b>Product Category</b>	UBS (Irl) Fund Solutions plc	UBS (CH) Fund Solutions	HARP Issuer plc
<b>Custodian bank</b>	State Street Custodial Services (Ireland) Limited	State Street Bank International GmbH	UBS Europe SE, Luxembourg Branch
<b>Fund Management Company</b>	UBS Fund Management (Ireland) Limited	UBS Fund Management (Switzerland) AG	N/A
<b>Index provider</b>	<ul style="list-style-type: none"> <li>• Bloomberg</li> <li>• FTSE</li> <li>• HFR</li> <li>• MSCI</li> <li>• Standard &amp; Poor's</li> <li>• UBS Bloomberg – CMCI</li> </ul>	<ul style="list-style-type: none"> <li>• Bloomberg – CMCI</li> <li>• JP Morgan</li> </ul>	<ul style="list-style-type: none"> <li>• European Energy Exchange (EEX)</li> </ul>
<b>Stock exchanges</b>	<ul style="list-style-type: none"> <li>• Borsa Italiana</li> <li>• XETRA</li> <li>• London Stock Exchange</li> <li>• Mexican Stock Exchange</li> <li>• SIX Swiss Exchange</li> </ul>	<ul style="list-style-type: none"> <li>• SIX Swiss Exchange</li> </ul>	<ul style="list-style-type: none"> <li>• XETRA</li> <li>• London Stock Exchange</li> <li>• SIX Swiss Exchange</li> </ul>
<b>Authorized participants</b>	<ul style="list-style-type: none"> <li>• UBS AG</li> </ul>	<ul style="list-style-type: none"> <li>• Flow Traders B.V.</li> <li>• Goldenberg Hehmeyer LLP</li> <li>• Jane Street Financial Limited</li> <li>• Optiver V.O.F.</li> <li>• UBS AG</li> </ul>	<ul style="list-style-type: none"> <li>• Flow Traders B.V.</li> </ul>