



SSPA Benchmarking Index

Background, Motivation and Objectives of the SSPA Benchmarking Index

Background

- No established benchmark for Structured Products
- Limited visibility of Structured Products and insufficient penetration rate in portfolios
- Demand for greater transparency and traceability
- Structured Products lack a reference point (compared to other asset classes)

Objectives

- Create a credible track record and demonstrate Structured Products performance
- Develop a representative, robust index composed of the most demanded categories of Structured Products
- Promote market acceptance and additional product understanding (awareness and education)
- Serve as a reference point for reporting, analysis, marketing (in advisory and discretionary management portfolios) and communication

Description of the Index / Family of indices

Type of products composing the index

- Product category: **Worst-Of Barrier Reverse Convertibles**
- Underlying: **Euro Stoxx 50, S&P 500 and Nikkei 225 indices (Worst-Of)**
- Tenor: **1 year** (non-callable)
- Strike: **100%**; European Barrier: **70%** of the initial level of each underlying
- Coupon: **fixed coupon paid at maturity**

A clearly defined rulebook

- Each index is composed of **12 products**
- **Monthly rolling strategy:** Products are monthly staggered
- **Each month**, when a product is redeemed, **a new BRC is priced and added to the index** (for an amount equal to nominal + coupon of the previous product)

Product Pricing methodology

Product pricing

- No actual issuance: zero-notional approach
- **Monthly auction-based pricing process** through one or two Multi-Issuer Platforms (MIP)
- **Coupons** are derived from **real market quotes** calculated through the MIP
- Third party product valuations used for daily index calculation
- Pricing based on **end-of-day quotes**

Target Groups

- **Investors** gain an objective tool for better decision-making
- **Advisors and asset managers** receive a consistent framework to assess risk and performance
- **Issuers** benefit from a neutral benchmark for product development
- **Regulators** obtain an additional dataset for market analysis

Risk & Return Profile

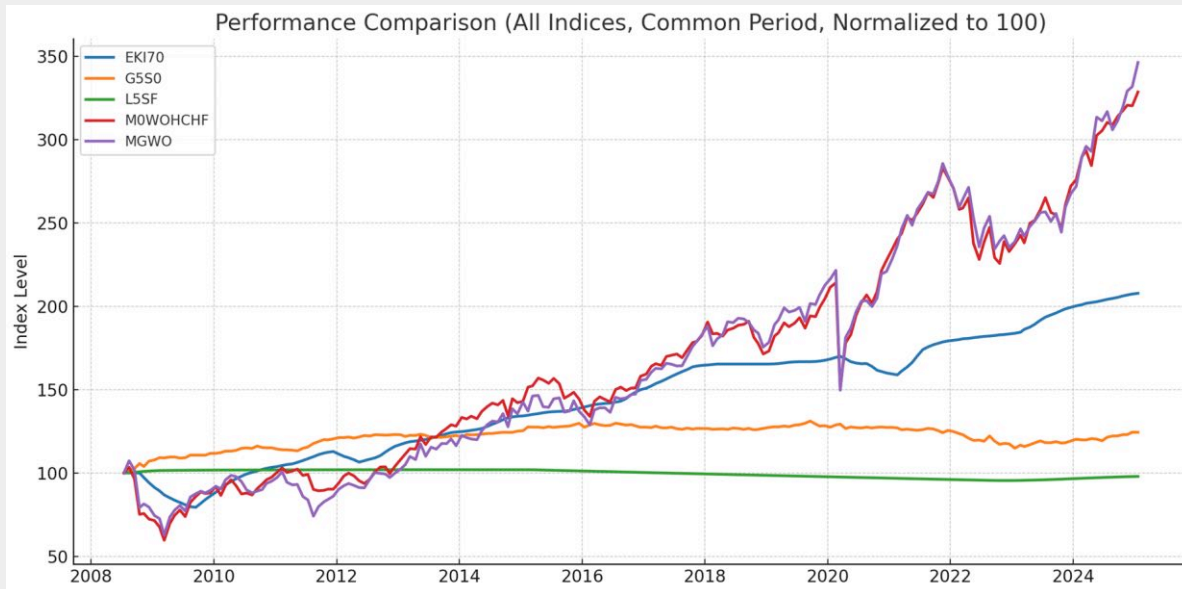
Benchmark Comparison

Backtest vs. Equity & Fixed Income
Benchmarks

University of Zurich Study

Index Performance since 2008

All indices normalized to 100 as of 14.07.2008



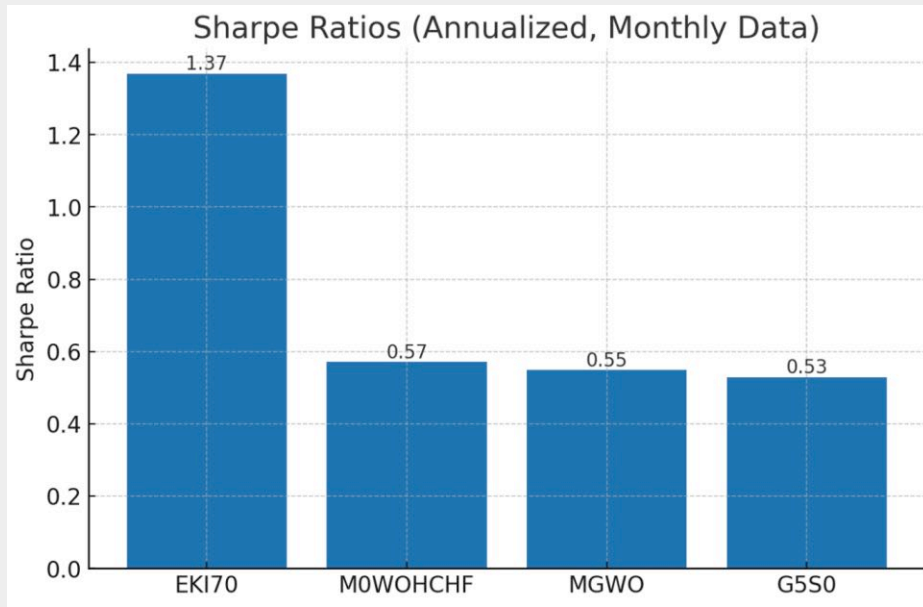
- SSPA Benchmark Index (70% European barrier)
- G5S0: ICE BofA 1–10Y Switzerland Government Index
- L5SF: ICE BofA CHF 3M Deposit Rate Index
- MOWOHCHF: MSCI World NTRI 100% Hedged CHF
- MGWO: MSCI World NTRI (unhedged)

Observations:

- **Balanced profile:** The SSPA Benchmark Index (70% EKI) positions itself between government bonds and equities. It delivers higher returns than bonds and cash while avoiding the volatility and drawdowns of equities.
- **Resilient growth path:** Performance is driven by steady coupon accruals, resulting in smoother index
- **Attractive risk/return trade-off:** While government bonds (G5S0) offered stability with low returns, and cash (L5SF) provided negligible yield, the 70% EKI combines enhanced income with controlled downside risk.
- **Equity benchmarks comparison:** Equities (MOWOHCHF, MGWO) strongly outperformed over the long run but at the cost of significantly higher volatility. The 70% EKI thus presents itself as a diversifying “middle ground” for investors.
- **Strategic relevance:** These characteristics underline the suitability of the 70% EKI as a transparent and representative benchmark for structured products, filling the gap between traditional fixed income and equity indices.

Sharpe Ratio Comparison

Risk-adjusted Performance



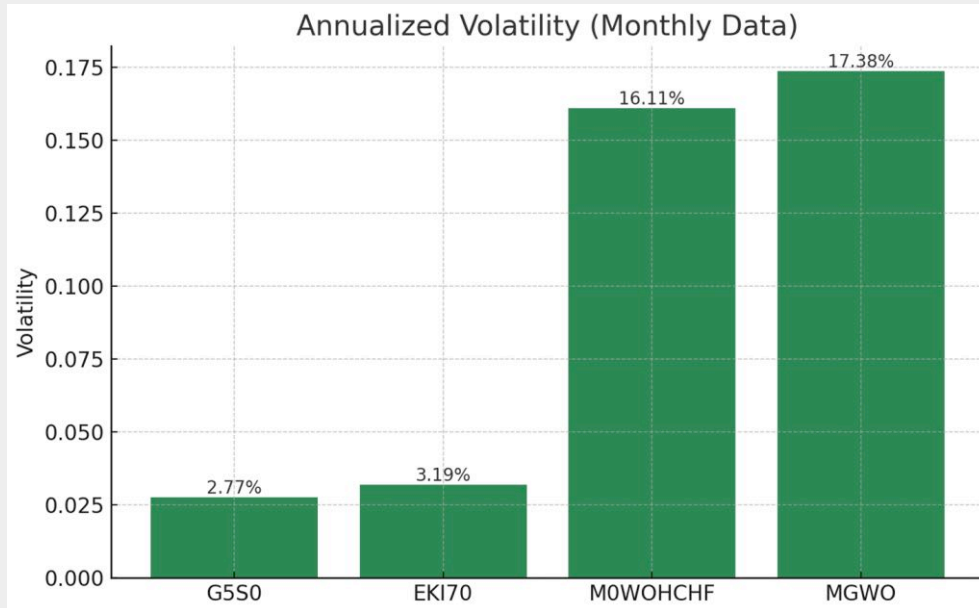
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Observations:

- **Strong risk-adjusted returns:** The SSPA Benchmark Index (70% EKI) achieves a Sharpe Ratio well above all traditional benchmarks, underlining its efficient risk/return profile.
- **Comparison to bonds and cash:** Government bonds (G5S0) and cash (L5SF) delivered low Sharpe Ratios, reflecting limited excess return potential over risk-free rates.
- **Equity benchmarks (MOWOHCHF, MGWO):** Despite strong long-term returns, equities show lower Sharpe Ratios than the 70% EKI, highlighting higher volatility relative to return.
- **Diversification value:** The 70% EKI combines stable coupon accruals with reduced drawdowns, translating into superior risk-adjusted performance versus both bonds and equities.
- **Benchmark relevance:** These characteristics support the 70% EKI as a credible, transparent reference index—demonstrating structured products' ability to deliver enhanced income with competitive risk-adjusted outcomes.

Volatility Comparison

Annualized Volatility



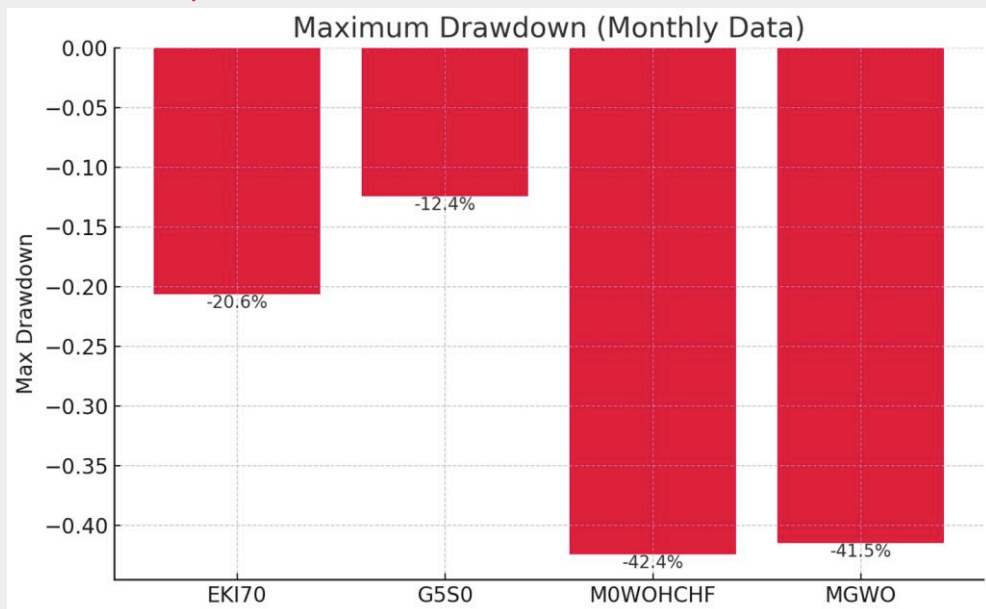
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Observations:

- **Low risk profile:** The SSPA Benchmark Index (70% EKI) shows annualized volatility of ~3%, only slightly above government bonds (G5S0) at ~2.8%.
- **Substantially lower than equities:** Compared to global equity benchmarks (MOWOHCHF ~16%, MGWO ~17%), the 70% EKI exhibits a much smoother risk profile.
- **Attractive positioning:** This places the 70% EKI as a stable, low-volatility alternative that bridges the gap between fixed income and equities.
- **Benchmark relevance:** The low volatility underlines the suitability of the index as a representative performance measure for structured products, combining transparency with stability.

Drawdowns Over Time

Monthly Data



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Observations:

- **Balanced downside risk:** The SSPA Benchmark Index (70% EKI) shows a maximum drawdown of ~21%, significantly lower than equities (~42%) but higher than government bonds (~12%).
- **Crisis resilience:** During major stress periods (e.g. 2008, 2020), the index proved more resilient than global equities, limiting losses while still participating in market recovery.
- **Stable profile:** The drawdown pattern reflects the coupon-driven structure of the index, which avoids the sharp collapses seen in equity markets.
- **Positioning:** This underlines the benchmark's role as a middle ground – offering higher potential than bonds, but without the deep drawdowns of equities.
- **Relevance:** The controlled downside strengthens the case for the 70% EKI as a transparent benchmark for structured products, showcasing their defensive characteristics.

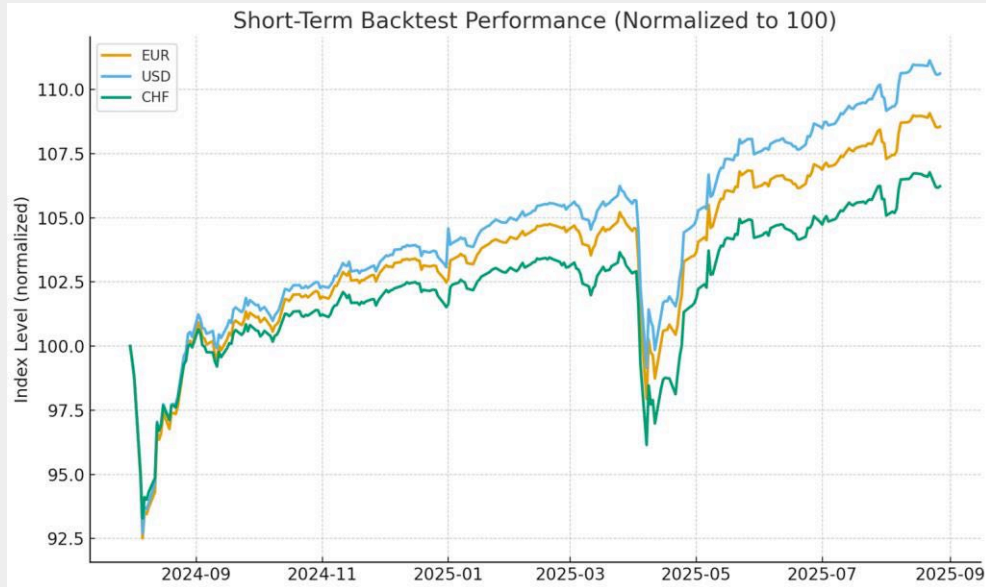
Risk-Adjusted Performance Overview

Return, Risk and Resilience

- **Performance:**
 - The SSPA Benchmark Index (70% EKI) has clearly outperformed government bonds (G5S0) and cash (L5SF) since 2008.
 - It positions itself between bonds and equities (MOWOHCHF, MGWO).
 - Less volatile than equities, but with higher returns than bonds.
- **Sharpe Ratio:**
 - At ~1.4, the 70% EKI delivers the highest risk-adjusted return.
 - Bonds (~0.5) and equities (~0.6) are significantly lower.
 - The index converts risk into return more efficiently.
- **Volatility:**
 - At ~3% annual volatility, the 70% EKI is only slightly above government bonds (~2.8%).
 - Significantly below equities (16–17%).
 - Confirms its role as a stable 'middle ground.'
- **Drawdowns:**
 - Maximum drawdown ~21%, much lower than equities (~42%) but higher than bonds (~12%).
 - Clearly more resilient than equities during crises (2008, 2020).
 - Controlled downside makes the index a credible benchmark.

Short Term Backtest

Ramp up Phase



- SSPA Benchmark Index (70% European barrier) quanto CHF, EUR, USD

Observations:

- Balanced downside risk:** The SSPA Benchmark Index (70% EKI) shows a maximum drawdown of ~21%, significantly lower than equities (~42%) but higher than government bonds (~12%).
- Short-Term Backtest (2024–25):** Metrics look attractive with 8% volatility, shallow drawdowns (–7%), and Sharpe ratios close to 1. However, this period covers only 7 months of relatively stable markets.
- Key takeaway:** Short-term results are less representative. Long-term evidence across multiple market cycles proves the robustness of the 70% EKI as a benchmark – positioned between bonds and equities, with realistic risk-adjusted returns.

Questions and Discussion

Thank you