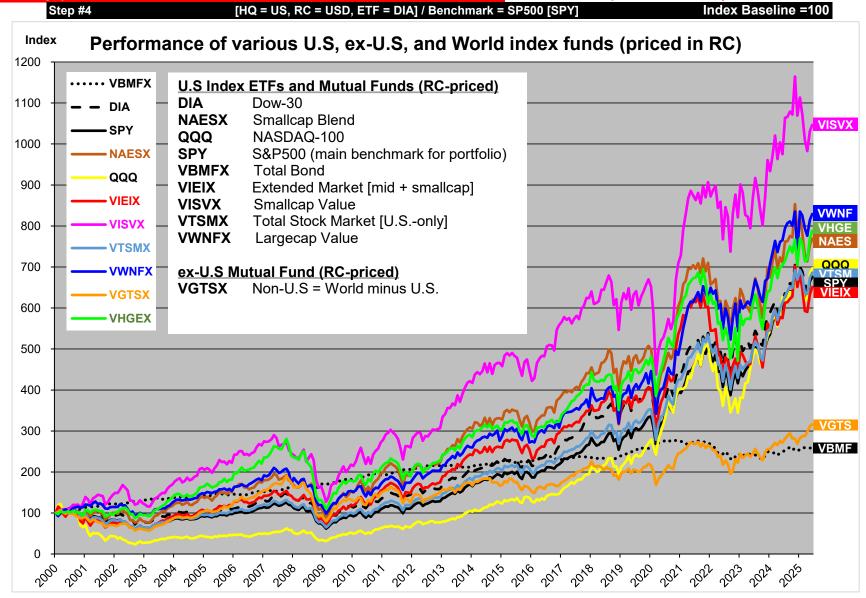
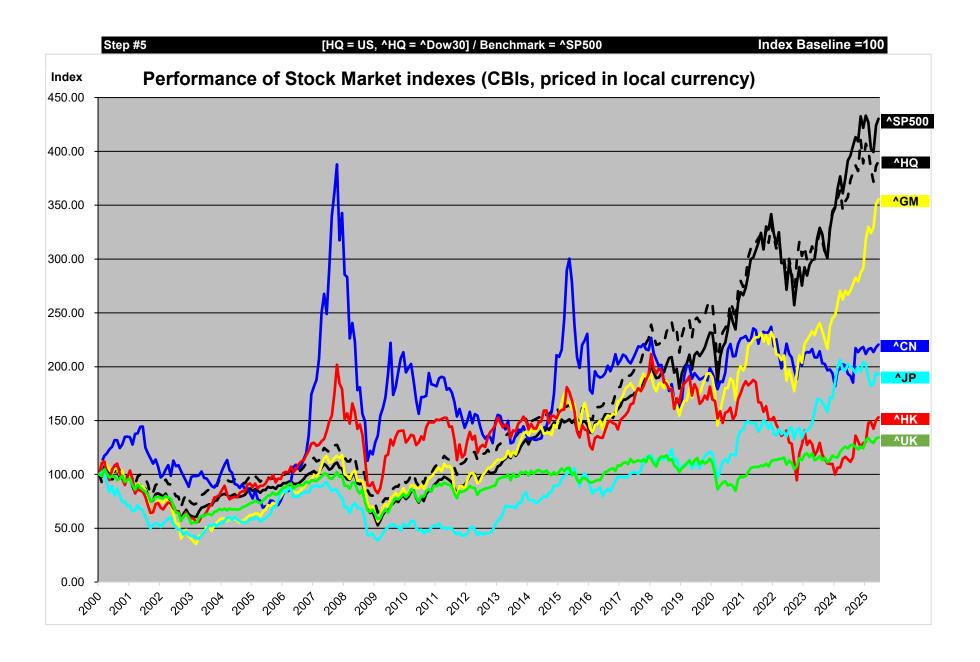
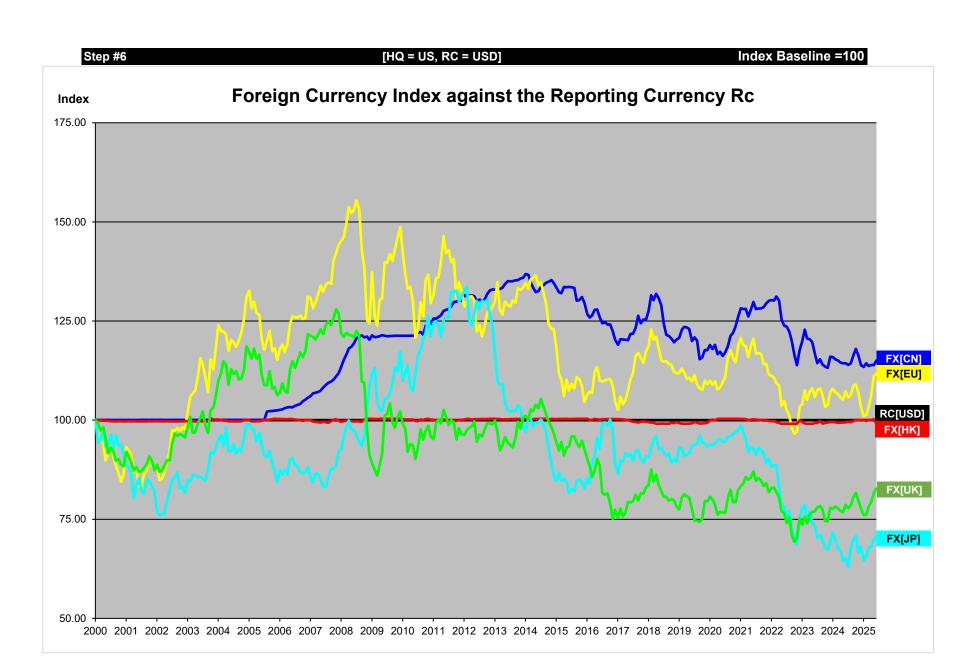
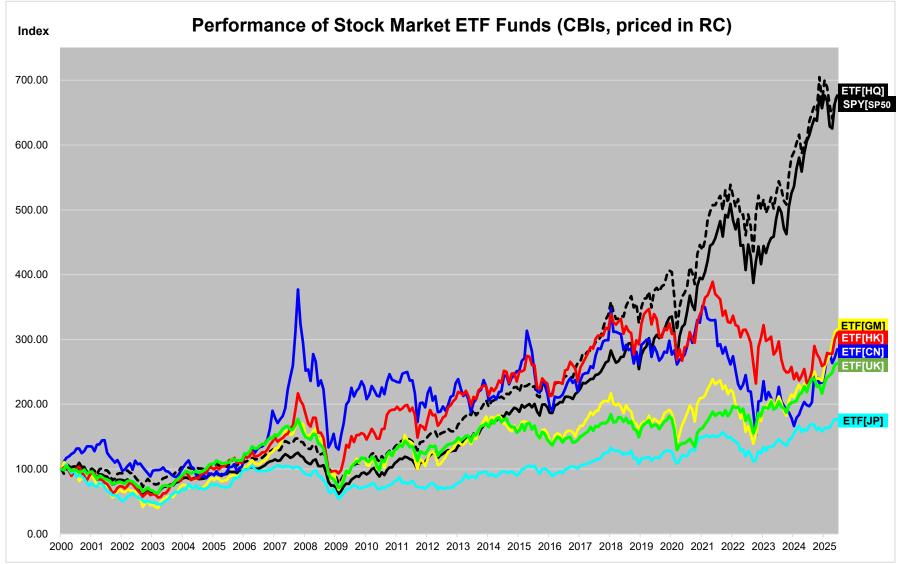
You should use this worksheet to "consolidate all your deliverable results and charts".

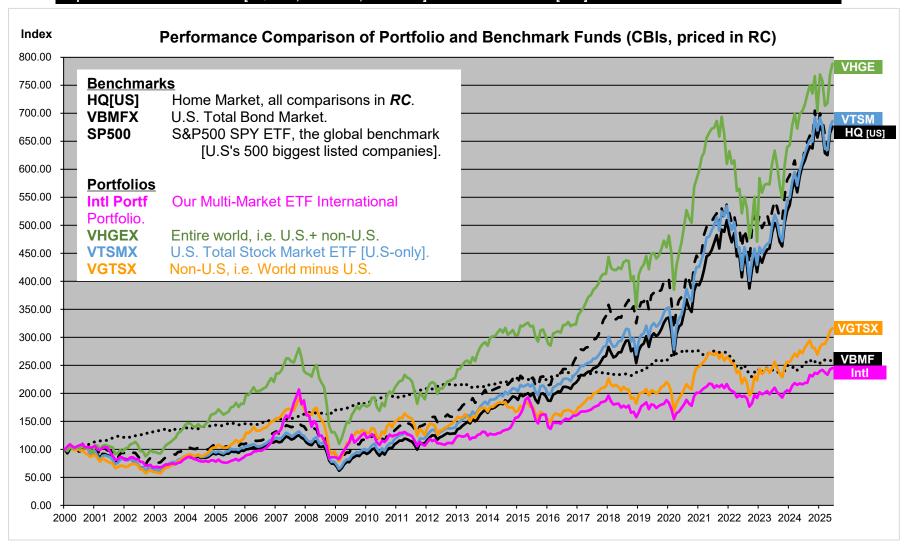
See BlackBoard **Documents > Individual International Equity Portfolio Project > s**Or see **Phase4 Step #18** The Entire Project's Deliverables for instructions.











6-Mkt ETF Portfolio Returns and Statistics [HQ = US, RC = USD]

Step #10

			Marke		6-Mkt	Benchma			
AA	20%	30%	10%	15%	15%	10%	ETF	rk	
HPY[USD]	576.53%	184.85%	215.41%	210.16%	76.46%	163.37%	251.63%	575.61%	
Mth Avg	0.72%	0.61%	0.62%	0.56%	0.30%	0.44%	0.56%	0.73%	
Mth σ	4.29%	7.39%	6.88%	6.07%	4.69%	4.97%	4.80%	4.46%	
Sharpe	0.0806	0.0324	0.0353	0.0297	-0.0168	0.0135	0.0390	0.0792	
Mth RFR	0.38%	0.38%	0.38%	0.38%	0.38%	0.38%	0.3750%	0.3750%	i i
Correl	US[DIA]	CN[FXI]	GM[EWG]	HK[EWH]	JP[EWJ]	UK[EWU]	0.	.77	
US[DIA]		0.38	0.76	0.57	0.62	0.78		0.95	US[DIA]
CN[FXI]			0.50	0.73	0.41	0.54		0.42	CN[FXI]
GM[EWG]				0.65	0.62	0.84		0.79	GM[EWG]
HK[EWH]					0.52	0.72		0.61	HK[EWH]
JP[EWJ]						0.65		0.66	JP[EWJ]
UK[EWU]								0.80	UK[EWU]
								ρ(Mkt, US	SPY)

6-Mkt ETF Portfolio Returns and Statistics [HQ = US, RC = USD]

Step #12

			Marke	6-Mkt	Benchma				
Weight:	20%	30%	10%	15%	15%	10%	Index	rk	
HPY%Δidx		120.54%	255.56%	53.18%	93.15%	34.38%	Portfolio	US Index	
ΗΡΥ%ΔΕΧ	0.00%	15.01%	11.74%	-0.82%	-29.46%	-17.27%	FULLION	^SP500	
\$HPY	290.87%	153.65%	297.29%	51.92%	36.24%	11.17%	148.34%	330.30%	
Mth Avg	0.54%	0.56%	0.66%	0.33%	0.28%	0.15%	0.45%	0.58%	
Mth σ	4.29%	7.11%	6.42%	6.17%	5.91%	4.70%	4.36%	4.40%	
Sharpe	0.0385	0.0259	0.0448	-0.0077	-0.0165	-0.0485	0.0166	0.0460	
Mth RFR	0.38%	0.38%	0.38%	0.38%	0.38%	0.38%	0.3750%	0.3750%	
Correl	^Dow30	^SSEC	^GDAXI	^HSI	^N225	^FTSE	0.	73	
^Dow30		0.27	0.70	0.52	0.48	0.65		0.95	^Dow30
^SSEC			0.30	0.51	0.29	0.24		0.28	^SSEC
^GDAXI				0.53	0.50	0.78		0.73	^GDAXI
^HSI					0.45	0.52		0.57	^HSI
^N225						0.43		0.53	^N225
^FTSE								0.66	^FTSE
<u></u>								ρ(Mkt, US	^SP500)

Step #13

[RC = USD] Market-by-Market Performance Comparison: Index vs ETF Correl										
ĮRC	= 02D] M					: inaex vs	EIF	Co	rrei	
AA	Market	ldx/ETF	HPY[USD]	Mth Avg	Mth σ	Sharpe	Mth RFR	SP500	Market	Market
20%	US	^Dow30	290.87%	0.54%	4.29%	0.0385	0.3750%	0.95	1.00	US
20 /0	US	DIA	576.53%	0.72%	4.29%	0.0806	0.3750%	0.95	1.00	US
30%	CNI	^SSEC	120.54%	0.56%	7.11%	0.0259	0.3750%	0.28	0.64	CN
30 /0	CN	FXI	184.85%	0.61%	7.39%	0.0324	0.3750%	0.42	0.04	CIN
10%	GM	^GDAXI	255.56%	0.66%	6.42%	0.0448	0.3750%	0.73	0.81	GM
10%	GIVI	EWG	215.41%	0.62%	6.88%	0.0353	0.3750%	0.79		
15%	HK	^HSI	53.18%	0.33%	6.17%	-0.0077	0.3750%	0.57	0.90	HK
15/0	пк	EWH	210.16%	0.56%	6.07%	0.0297	0.3750%	0.61	0.90	пк
15%	JP	^N225	93.15%	0.28%	5.91%	-0.0165	0.3750%	0.53	0.69	JP
10/0	JP	EWJ	76.46%	0.30%	4.69%	-0.0168	0.3750%	0.66	0.03	JP
10%	ШК	^FTSE	34.38%	0.15%	4.70%	-0.0485	0.3750%	0.66	0.71	UK
10%	UK	EWU	163.37%	0.44%	4.97%	0.0135	0.3750%	0.80	0.71	UK

										Step #14
[RC = 1	USD] Perf Compariso	n: Mkt Indo	ex Portf vs	. ETF Port	f vs. US Bı	nchmrk		Correl		
	0	HPY[USD]	Mth Avg	Mth σ	Sharpe	Mth RFR	ETF Portf	^SP500	SPY	
Yours:	Market Idx Portf	148.34%	0.45%	4.36%	0.0166	0.3750%	0.87	0.73	0.73	Idx Portf
Tours.	Market ETF Portf	251.63%	0.56%	4.80%	0.0390	0.3750%		0.77	0.77	ETF Portf
US	^SP500 Market ldx	330.30%	0.58%	4.40%	0.0460	0.3750%			0.99	^SP500
Bnchmrk	SPY Market ETF	575.61%	0.73%	4.46%	0.0792	0.3750%				-

Risk-Return statistics and Coefficient of Correlation between the monthly HPYs of VBMFX (U.S. Total Bond) and select U.S. index funds, your Market ETFs, your ETF Portfolio, and global funds:

Step #15

		VBMFX	DIA	SPY	VTSMX		
	funds:	TotBond	US	^SP500	UStotMkt		
	HPY[USD]	158.32%	576.53%	575.61%	585.98%		
	Mth Avg:	0.32%	0.72%	0.73%	0.74%		
	Mth σ:	1.23%	4.29%	4.46%	4.59%		
Correls wit	h VBMFX:	-	0.08	0.12	0.12		
			U.S. Index fund				
			СО	rrels belov	v 0		

CN	GM	HK	JP	UK	Your ETF	VHGEX	VGTSX			
FXI	EWG	EWH	EWJ	EWU	Portfolio	Global	ex-US			
184.85%	215.41%	210.16%	76.46%	163.37%	251.63%	688.59%	216.22%			
0.61%	0.62%	0.56%	0.30%	0.44%	0.56%	0.82%	0.50%			
7.39%	6.88%	6.07%	4.69%	4.97%	4.80%	5.25%	4.90%			
0.16	0.14	0.19	0.18	0.15	0.19	0.21	0.21			
	Foreign funds									
	correls close to or even below 0									