# **Asset Management in Europe: which way forward?**

# **CEPS Asset Allocation Task Force Meeting**

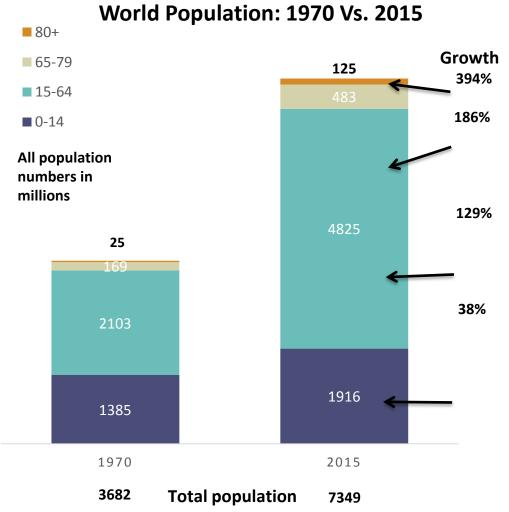
Amlan Roy, PhD

Global Chief Retirement Strategist

Brussels (15 June 2017)



# Super-old (80+) age group fastest growing



Share of 80+ population			
	1970	2015	
UK	2%	5%	
US	2%	4%	
Germany	2%	6%	
Japan	1%	8%	
France	2%	6%	
Italy	2%	7%	

Source: UN, CS



# **How Increasing Longevity Affects Us All?**

#### **Individuals** & Families

Challenge existing asset & time allocation frameworks & intergenerational dynamics.

#### **Governments** & Societies

Policy changes in labour, education, health, pensions & social benefits necessary.

Asset managers, pension funds, insurance cos., banks, SWFs etc.

Re-assess frameworks & assumptions. Develop new solutions for clients & new approaches to understanding longevity.

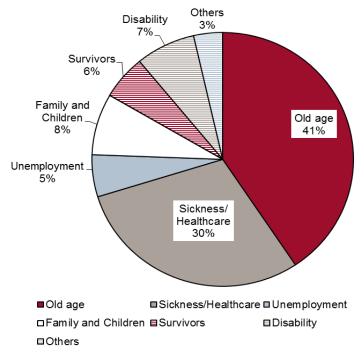
# SIGNIFICANT CHANGE IN THINKING AND MIND-SET NEEDED

Source: IPE Pension Awards Speech (2013)



## **Unsustainable Fiscal Strains (ageing related)**

# **European Union 2012** % of total benefits

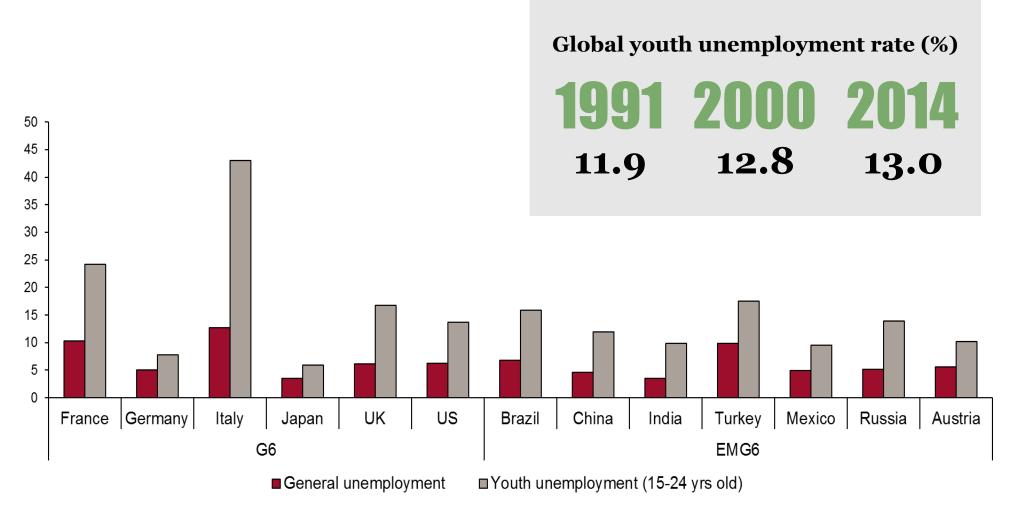


- In most EU countries, age related expenditures currently account for 20%+ of GDP.
  - Projected to increase in future
- This is unsustainable currently and in future without radical reform

Source: EC



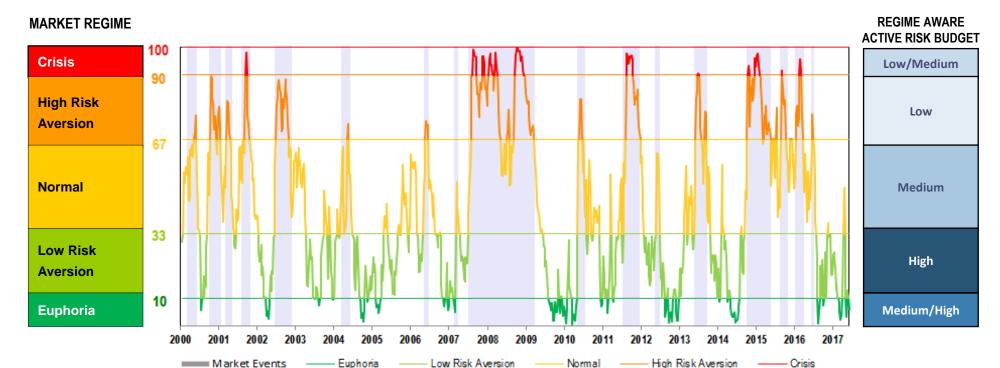
# **Rising Youth Unemployment**



Source: ILO, UN, CS



# SSGA's Market Regime Indicator (MRI) as of May 31st 2017





Period	Market Event			
March 17–June 2, 2000	The NASDAQ Bubble Bursts			
October 13, 2000–January 12, 2001	Acceleration of the NASDAQ correction and contagion to Emerging Markets			
March 9-April 27, 2001	Turkish Crisis			
August 17–October 19, 2001	9/11/2001, before and after			
June 21–November 15, 2002	Accounting Scandals in the US and Brazilian Election			
May 11–July 16, 2006	2 <sup>nd</sup> Turkish Crisis			
February 27–March 19, 2007	Chinese Stock Market Correction			
July 13, 2007-March 16, 2009	US Subprime Mortgage Crisis/Liquidity Squeeze			
May 7, 2010–June 9, 2010	First sign of cracks on Eurozone peripherals : Greece, Portugal and Ireland			
July 15, 2011-December 9, 2011	S&P downgrades the rating of the USA, Breakout of the European Sovereign Debt Crisis			
May 18, 2012-June 15, 2012	Greek Elections and Fear of Euro Exit			
May 24, 2013-September 6, 2013	QE Tapering, China Interbank Crisis and its aftermath			
October 3, 2014-May 15, 2015	Oil price drop, Eurozone deflation fears & Greek elections outcome			
August 21 2015-October 9, 2015	China devaluation and Fed Liftoff uncertainty			
January 7, 2016-March 14, 2016	China's currency policy turmoil, collapse in oil prices and weak US activity			
June 15, 2016-June 30, 2016	BREXIT referendum			



The data displayed is not indicative of the past or future performance of any SSGA product. The portion of results through 3/31/2011 represents a back-test of the MRI model, which means that those results were achieved by means of the retroactive application of the model which was developed with the benefit of hindsight. Data displayed beyond this date is not backtested, but is still generated by the model referenced. All data shown above does not represent the results of actual trading, and in fact, actual results could differ substantially, and there is the potential for loss as well as profit.

## **Long-Term Asset Class Forecasting**

#### Forward-looking asset class forecasting process

- Each quarter, the Investment Solutions Group constructs updated return forecasts for over 60 different asset classes
- The forecasts cover time horizons from Short Term (1 Year), Intermediate Term (3–5 Years) and Long Term (10+ Years)
- Short-term (1-yr) forecasts depend on our multi-factor tactical models
- Intermediate and Long-term forecasts follow a building-block approach to incorporate a range of relevant variables that include:
  - Current valuation measures
  - Income characteristics
  - Economic growth
  - Inflation forecasts
  - Historical risk premia
- We use our long-term forecasts to develop strategic solutions



# **Long-Term Target Asset Class Forecasts For Common Asset Classes Over Multiple Time Horizons**

#### Annualized Nominal Returns as of March 31, 2017

Asset Class	Short Term (1 Yr.) (%)	Interm. Term (3–5 Yrs.) (%)	Long Term (10+ Yrs.) (%)	Long-Term Risk (Std. Dev.) (%)	Asset Class	Short Term (1 Yr.) (%)	Interm. Term (3–5 Yrs.) (%)	Long Term (10+ Yrs.) (%)	Long-Term Risk (Std. Dev.) (%)
US Equity					US Government Bonds	. ,	. ,	, ,	χ, -γ
US Large-Cap	3.3	6.2	6.0	16.0	US Government	2.1	1.8	2.3	5.0
US Mid-Cap	3.4	6.5	6.2	18.0	US Long Government	4.0	2.2	2.8	11.5
US Small-Cap	3.1	6.7	6.5	20.0	US TIPS	1.7	1.8	2.3	6.5
International Equity					US Credit Bonds	1.7	1.0	2.3	0.5
Global (ACWI)	3.6	6.5	6.3	17.0	US Investment Grade Credit	2.5	2.3	3.0	5.5
Global (ACWI) ex-US	3.9	6.9	6.7	17.0	US Long Credit	5.5	3.7	4.8	12.0
Global Developed (World)	3.4	6.2	6.1	16.0	US High Yield	4.1	3.8	4.8	12.5
Global Developed (World) ex-US	3.6	6.1	6.2	16.0	International Govt. Bonds	7.1	5.0	7.0	12.5
Euro	3.4	6.3	6.3	18.0	Global Government	1.0	0.3	1.3	4.5
Europe	3.9	6.6	6.6	16.0	Global Government ex-US	0.4	-0.5	0.7	6.0
Asia-Pacific	3.1	4.8	5.1	17.0	Eurozone Government	0.3	-0.5	0.7	5.0
Canada	3.9	7.2	7.2	16.0	UK Government	1.3	0.1	1.6	6.0
Global (ACWI) ex-US Small Cap	4.1	6.8	6.9	20.0	Japanese Government	0.3	-0.1	0.2	3.5
Emerging Markets (EM)	4.8	9.5	8.4	21.0	Canada Government	1.7	1.0	2.0	5.5
EM Asia	5.9	9.6	8.2	22.0	Emerging Markets Bonds	3.2	4.0	5.2	11.0
EM Latin America	3.4	8.7	8.7	21.5	International Credit Bonds	3.2	4.0	5.2	11.0
EM Europe, Middle East, Africa	6.0	9.5	9.4	21.0		4.4	0.7	4.0	6.0
Smart Beta Equity					Global Investment Grade	1.4	0.7	1.8	6.0
Global Equal Weighted	3.7	6.5	6.8	18.0	Global Investment Grade ex-US	0.8	-0.1	1.1	6.5
Global Minimum Variance	5.3	8.1	6.8	13.0	Eurozone Corporate	0.5	-0.7	1.0	5.0
Global Quality Tilted	4.6	7.4	6.7	15.0	UK Corporate	2.6	1.5	3.0	8.0
Global Value Tilted	3.8	6.6	6.7	17.0	Japanese Corporate	0.4	0.0	0.3	4.0
Alternatives					Canadian Corporate	2.8	2.2	3.3	6.5
US Real Estate (REITs)	5.4	5.3	5.6	20.0	Euro High Yield	2.2	2.6	3.5	12.5
Global Real Estate (REITs)	2.8	5.1	5.0	19.0	Cash				
Hedge Funds (Market Neutral)	3.9	5.5	5.8	7.0	US	1.1	1.9	2.5	1.5
Private Equity	4.4	7.5	7.3	25.0	Europe (EMU)	-0.4	0.3	1.5	1.5
Commodities	1.3	5.9	5.3	18.0	UK	0.4	1.0	2.0	1.5

Forecasted returns are based upon estimates and reflect subjective judgments and assumptions.

These results were achieved by means of a mathematical formula and do not reflect the effect of unforeseen economic and market factors on decision-making. The forecasted returns are not necessarily indicative of future performance, which could differ substantially.



# How We Reach that Goal will Depend on Where we Start

The journey to help achieve a successful retirement may be different depending on where we begin



Footnote/Source: Calibri 8pt, 8pt line spacing, medium gray text color.



### **Next Generation DC Will Evolve to Tackle the Challenges**

With the global shift towards DC, and facing the macro and behavioral headwinds, it is critically important for DC plans to evolve along multiple facets

#### **Next Gen**

#### **Investment Menu**

- Reorient default fund towards greater automaticity and more integrated solutions
- > Refine core menu

#### **Participant Engagement**

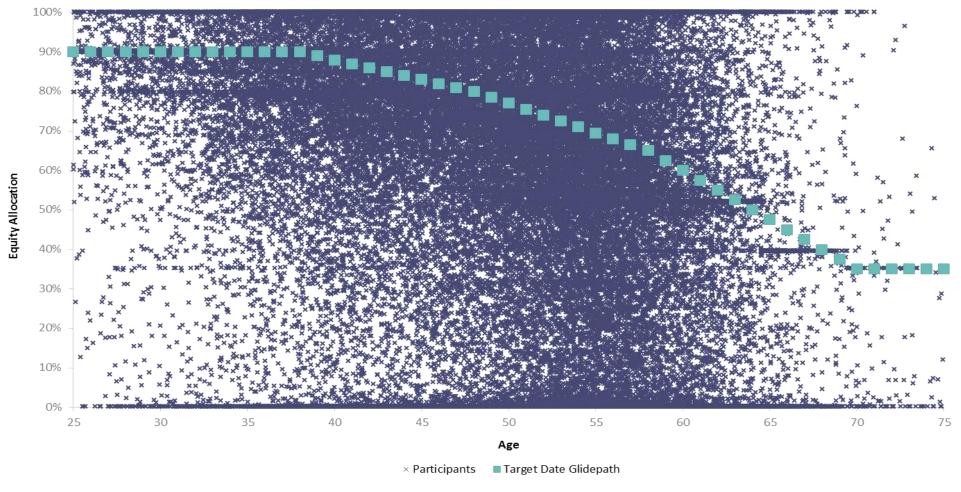
- Limit or eliminate choice for participants
- > Reframe the retirement plan
- > Nudge for better outcomes
- Use inflection points to engage

#### Plan Design

- > Income vs. Accumulation
- Make Success Easy (participation & contribution rate)
- > Make Bad Decisions Hard (framing investment decisions)



# **Participant Decisions are Not Always Optimal**



Source: SSGA Defined Contribution Team based on sample plan sponsor data set. As of June 30, 2013.
Allocations are as of the date indicated, are subject to change, and should not be relied upon as current thereafter.
Assumptions and forecasts used by SSGA in developing the Portfolio's asset allocation glide path may not be in line with future capital market returns and participant savings activities, which could result in losses near, at or after the target date year or could result in the Portfolio not providing adequate income at and through retirement.
For illustrative purposes only.



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### What is the next generation?

Default funds need to evolve to incorporate accumulation and decumulation, reflecting the evolving concept of retirement and greater divergence in retirement behavior



More than 1 in 2 workers age 60 or older expect to work at least part time in retirement.<sup>1</sup>

In fact the share of working older people with full-time jobs has increased sharply – to almost 61 percent in 2016 from 40 percent in 1995 – as part-time work has become less popular.<sup>2</sup>

# THE 'BETWEENAGER'

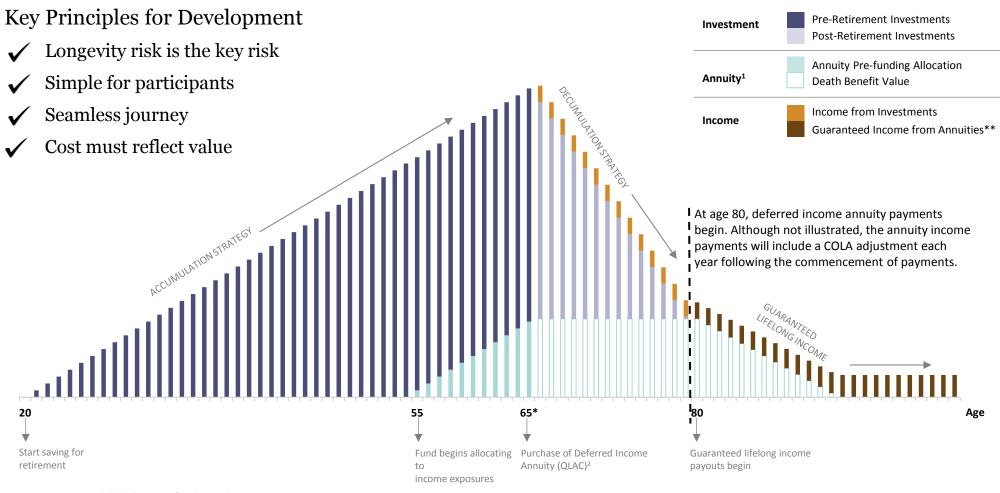
Source: SSGA, for illustrative purposes only. Image from <a href="http://www.istockphoto.com">http://www.istockphoto.com</a>
1 CareerBuilder.com, "number of Senior Workers Delaying Retirement Reaches New post-Recession Low," February 2015

2 Center for Retirement Research, "Fewer Older Americans Work Part-time", May 2017





# **Next Generation: Retirement Income Design Framework**



Source: State Street Global Advisors Defined Contribution

<sup>&</sup>lt;sup>2</sup> QLAC: a form of a deferred income annuity that allows participants to defer a portion of their guaranteed income payments to a later age, and reduce their DC plan balance subject to required minimum distribution (RMD) rules



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<sup>\*</sup>Assumed age at retirement.

<sup>\*\*</sup>Income security past 80 is subject to the claims-paying ability of the issuing insurance company; it is possible that the issuing company may not be able to honor the annuity payouts.

<sup>&</sup>lt;sup>1</sup> Participants who leave the fund prior to receiving their annuity will not be eligible for the income benefits described in this document. Participants who are not in the correct fund for their age may not obtain the income benefits. The information contained above is for illustrative purposes only. Income security past 80 is subject to the claims-paying ability of the issuing insurance company

# Thank You.

For additional information or any questions on the information covered in today's presentation, please contact:

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The Market Regime Indicator (MRI) is a quantitative framework that attempts to identify the current market risk environment based on forward-looking market indicators. We believe the factors used, equity implied volatility, currency pairs implied volatility and bond spreads, are good indicators of the current risk environment as they are responsive to real-time market impacts and in theory should include all current and forward views of those markets. These factors are combined to create a single measure and used to identify one of five risk regimes: Euphoria, Low Risk, Normal, High Risk, and Crisis. The Market Regime Indicator (MRI) is a quantitative framework that attempts to identify the current market risk environment based on forward-looking market indicators. We believe the factors used, equity implied volatility, currency pairs implied volatility and bond spreads, are good indicators of the current risk environment as they are responsive to real-time market impacts and in theory should include all current and forward views of those markets. These factors are combined to create a single measure and used to identify one of five risk regimes: Euphoria, Low Risk, normal, High Risk, and Crisis.



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