

March 2011



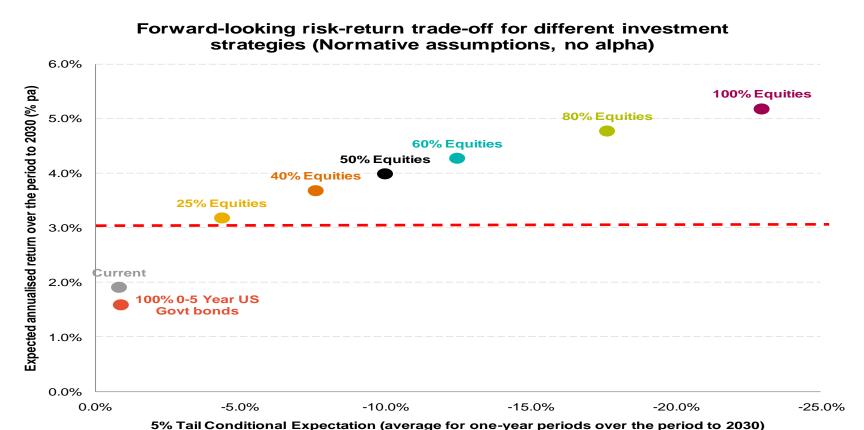
Strategy

 We see the strategy framework as having three key dimensions, as set out in the table below.

Element Sustainability – returns and spending 2. Purchasing Power – preserving buying power 3. Diversification – spreading risk

Forward-looking risk / return trade-off (Normative assumptions, no alpha)

This slide shows the mix of bonds and equities we expect to deliver different levels of real return over the medium term.



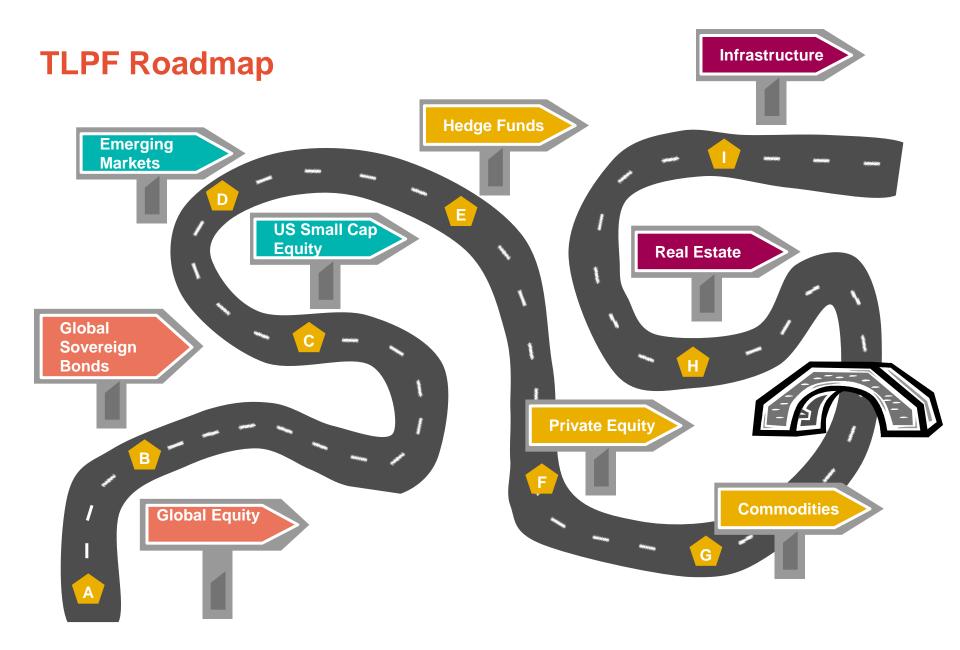
SAA Roadmap – Approach

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We have	been	driven	by	SIX	maın	criteria

- 1. Ability
- 2. Complexity
- 3. Investment Beliefs
- 4. Governance
- 5. Implementability, and
- 6. Monitoring

SAA Roadmap – Approach

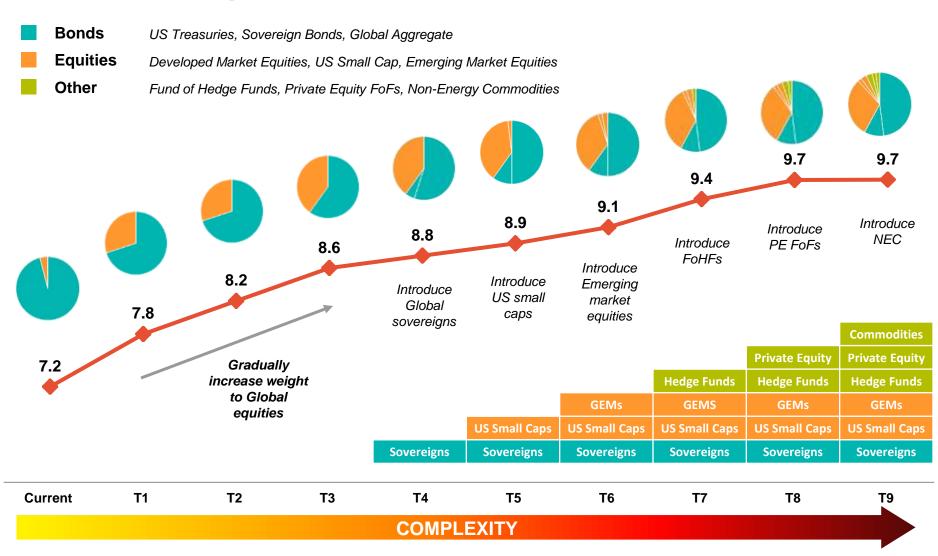
- We have considered
 - The split between bonds and equity the single most important decision the Fund can make.
 - The extent to which systematic "beta" exposures can be introduced
 - A broad range of allocations, including to "alternative" assets
 - The issue of currency and the "numeraire" for the Fund
 - The arguments for and against passive and active management
 - Ongoing measurement and monitoring needs



Strategic Asset Allocation Roadmap

	Curr ent	T1	T2	Т3	T4	Т5	Т6	T7	Т8	Т9
Bonds	96	80	70	60	60	60	60	58	58	58
BPA	76	60	50	40	35	30	30	28	28	28
BIS	20	20	20	20	20	20	20	20	20	20
Global Sov.					5	10	10	10	10	10
Equity	4	20	30	40	40	40	40	40	40	38
Global	4	20	30	40	40	38	35	35	32	30
US Small Cap						2	2	2	2	2
Global Emerging Markets							3	3	3	3
Private Equity									3	3
Other								2	2	4
Hedge Funds								2	2	2
Commodities (non Resource)										2

Roadmapping

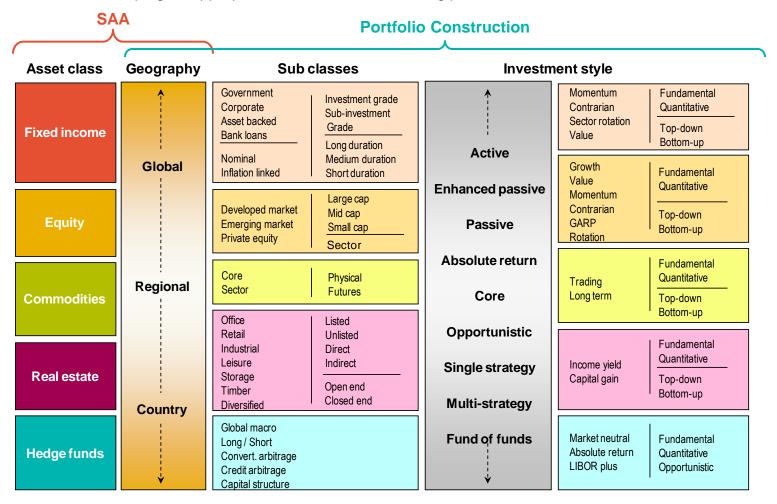


SAA Roadmap

Ability, Complexity and Governance

A complex process

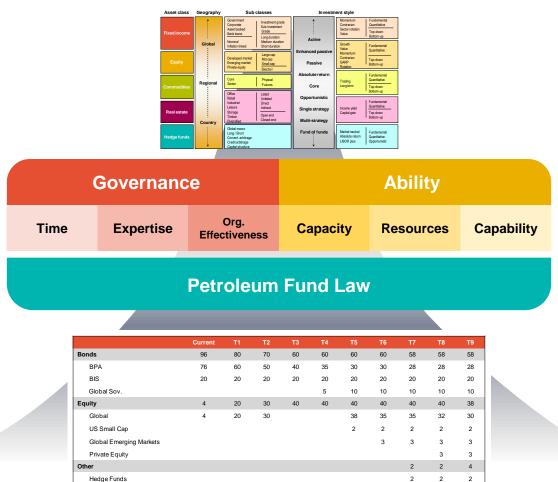
The figure below highlight the various asset class dimensions and investment considerations that must be taken in to account when developing an appropriate SAA and in constructing portfolios.



Linking Ability, Complexity and Governance

Commodities (non Resource)

Complexity

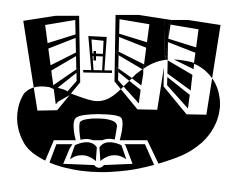


Portfolio

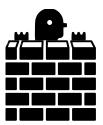
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Ability Roadmap

TODAY









TOMORROW



Constraints

- Skills
- Knowledge
- Staff
- Infrastructure
- Stakeholders
- Experience

Future

- Differentiate regimes
- Distinguishing points in the valuation cycle
- Rotating beta factors
- DSAA
- Manager configuration

Nurturing Ability

Capacity

Hands/Feet



Descriptors

- Operate
- Implement
- Monitor
- Control
- Decide

Contribution

- Skill/Craft
- Experience

Learning Method

By doing

Resources

Bodies



- Quantum
- Number
- Access

Resources

ABILITY
Capability
Capacity

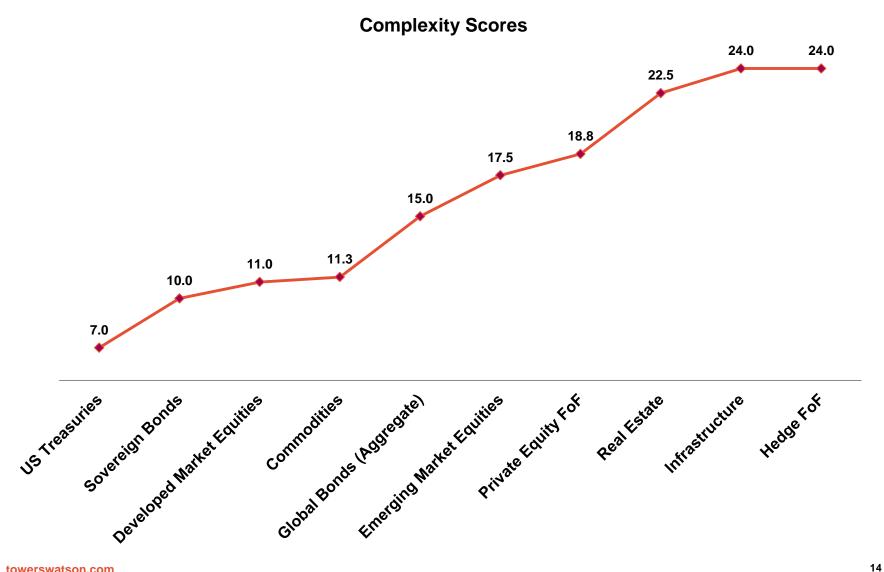
Capability

Brain



- Knowing
- Thinking
- Comprehension
- Appreciation
- Knowledge
- Formal education

Complexity score



Complexity scoring methodology

Elements	Global Bonds US Treasuries	Global Bonds Sovereigns	Developed Market Equities	Commodities	Global Bonds Aggregate	Emerging Market Equities	Private equity FoF	Real estate	Hedge FoF	Infrastructure
GOVERNANCE	2.0	3.0	3.0	5.0	5.0	6.0	7.0	10.0	6.0	10.0
IMPLEMENTATION	2.5	3.0	4.0	2.8	4.0	5.5	6.3	7.5	8.0	8.0
Manager search	2	3	5	4	4	6	6	8	6	8
Manager selection	4	4	4	1	5	6	7	6	10	6
Legal	2	2	2	2	2	4	5	10	6	10
Due diligence	2	3	5	4	5	6	7	6	10	8
MONITORING	2.5	4.0	4.0	3.5	6.0	6.0	5.5	5.0	10.0	6.0
Portfolio strategy	2	4	4	2	6	6	7	4	10	4
Reconciling performance	3	4	4	5	6	6	4	6	10	8
AVERAGE SCORE	7.0	10.0	11.0	11.3	15.0	17.5	18.8	22.5	24.0	24.0
RANKING (easiest to hardest)	1	2	3	4	5	6	7	8	9	9

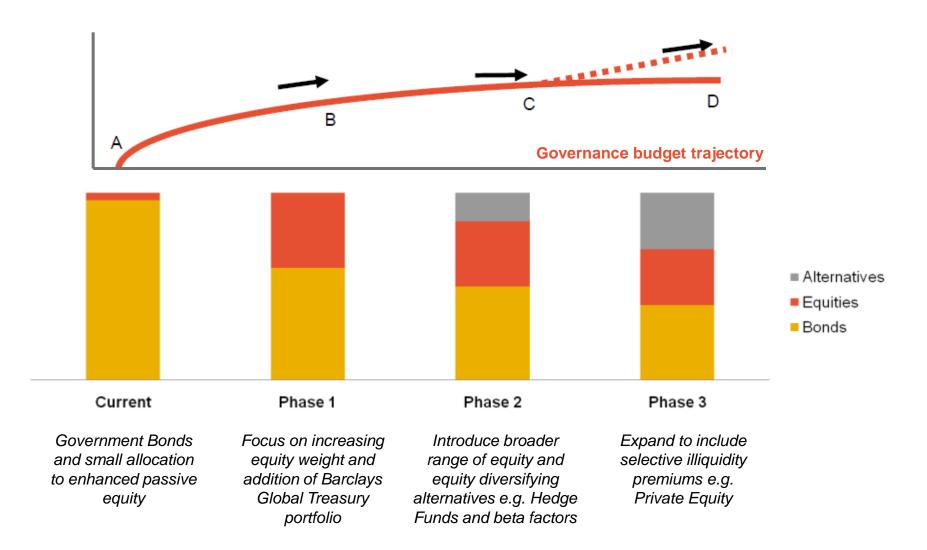
Cascading structure for TLPF

Any organization has to develop through several phases

The Timor-Leste Petroleum Fund is a relatively new organization established in 2005, initially with mandate to invest only in US and other sovereign debt instruments. TLPF is entering a new phase in its development (point B ,depicted below) facilitated by the proposed changes to the Petroleum Fund law enabling a broader investment mandate to be implemented.

	A to B: Initial Phase	B to C: Development Phase	C to D: Maturity Phase
Characteristics of this phase	Organization has to work from scratch, governance budget develops but with significant gaps	Organization improves its governance budget and begins to close some of the more immediate gaps	Organization seeks to close remaining gaps and may even aspire to move toward a higher level.
TLPF's development	Conservative investment strategy and constraint guidelines, but reasonable governance support via external advisors	PF Law amendments will facilitate wider investment options but significant ability constraints remain.	The Fund will likely reach a point where it must address certain key governance issues and further amend the PF Law to progress further
Governance budget trajectory	A	→	D
	Α	В	

Cascading structure for TLPF (cont'd)



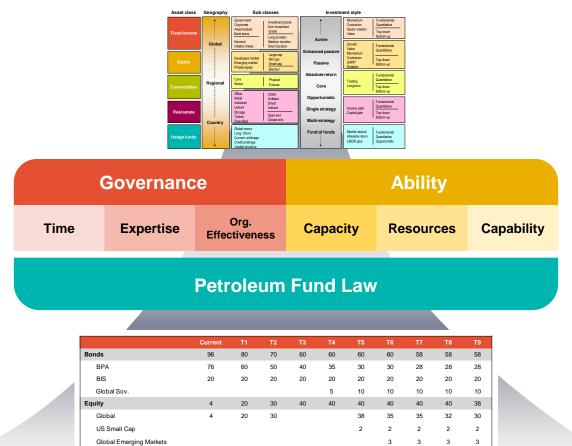
Linking Ability, Complexity and Governance

Private Equity

Hedge Funds

Commodities (non Resource)

Complexity



Portfolio

3

2

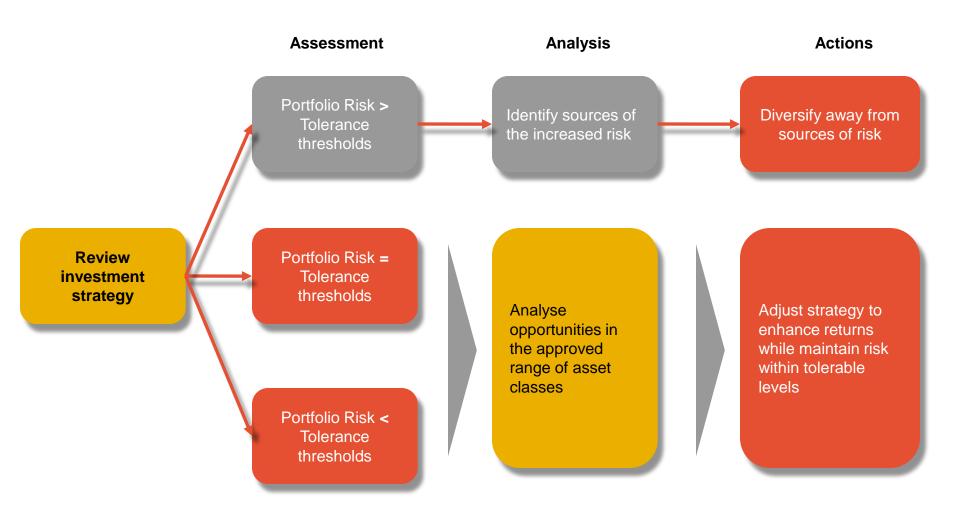
SAA Roadmap

Measurement and Monitoring

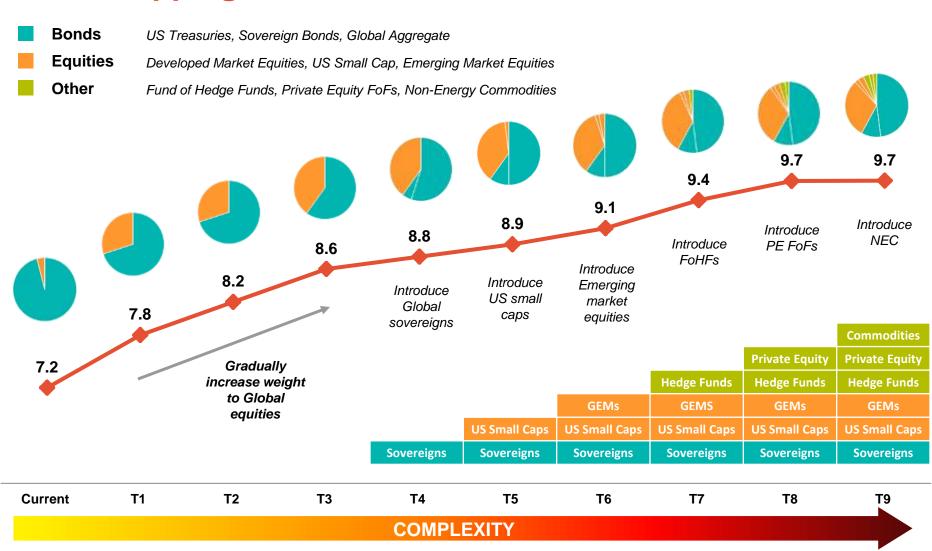
Monitoring framework - navigation map

	<u>Dimensions</u>	Components	Measurement and Tool
1	Petroleum Fund Law	1.1 Overall management of the Fund 1.2 Investment and protection 1.3 Fund appropriation	Compliance with framework set out in the law: Compliance report
2	The IAB's investment beliefs and principles	2.1 Determining SAA is the 1st order decision 2.2 Risk management 2.3 Avoidance of unnecessary complexity 2.4 Passive management is main investment style 2.5 Capacity is paramount to develop investment strategy for further diversification	Consistency between beliefs and actual portfolio: Beliefs framework report
3	Strategic Asset Allocation	3.1 Actual exposure vs. SAA 3.2 Asset allocation assumptions 3.3 Effective mechanism for managing overall risk exposure	Consistency between SAA and actual portfolio: SAA report
4	Portfolio Construction	4.1 Approved asset classes 4.2 Benchmarks 4.3 Managerial approach 4.4 Portfolio exposures	Actual portfolio's risk is within the tolerance limit: DART reports
5	Manager Selection	 5.1 Evaluation of manager structure 5.2 Oversight of the BPA for manager search and selection 5.3 Comparative performance of existing investment managers against peers 5.4 Quantitative and qualitative indicators for monitoring managers 	Manager monitoring report on performance evaluation and expected future: <u>SWISS, balanced</u> <u>scorecard</u>

Managing portfolio risk



Roadmapping



SAA Roadmap

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