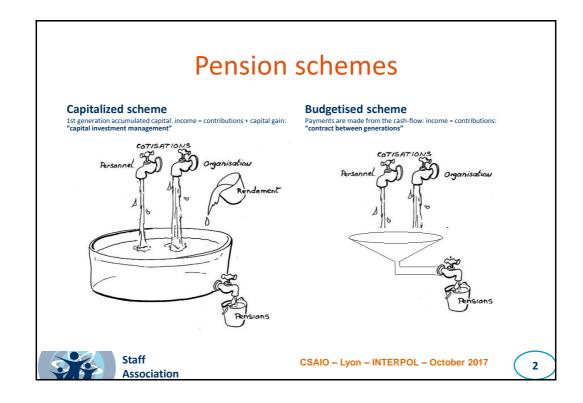
CERN Pension Fund

Overview

Isabelle Mardirossian Joel Lahaye



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Why a CERN Pension fund?

- CERN is an International Organisation (Nation + employer)
- Must be independent of Member states
 - Must guarantee equal treatment between all staff members, independently of origin. This applies in particular to the pension rights
 - Staff members are no longer part of a national social insurance scheme



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CERN Pension scheme

- The CERN pension fund is based on a defined benefit scheme
 - The level of benefits is defined upfront and the contributions are calculated to insure that the Fund will be able to pay them:
 - "Guarantee on pensions"
 - Risk shared between (staff member) and sponsor
- The CERN pension fund is a capitalised scheme
 - Funding are contributions and return on investments
 - No legal obligation to reach full funding, but a Council decision following new governance in 2007: "the fund must be fully funded"
- Investment objectives
 - Return: 3% above Geneva inflation over the long term (3 years)
 - Risk: 5% CVaR (Conditional Value-at-Risk) limit of –
 8%





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Structure of the Pension Fund

- Status (art. I 2.01)
 - · CERN PF is integral part of CERN
 - Under supreme authority of CERN Council
 - Administration + management independent of CERN/ESO
- Assets (art. I 2.02)
 - Deposited and held in fund separately from CERN/ESO
 - To be used exclusively for paying benefits to PF members
- Bodies (art. I 2.03)
 - Governing Board
 - Investment Committee/Actuarial Technical Committee
 - Administrator (also called CEO)
 - · Consulting actuaries, auditors



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Governing Board

- Functions (art. I 2.04)
 - · Apply policy of CERN Council
 - · Supervise and monitor management of Fund
 - Define investment policy of assets
 - Submit proposals/opinions to CC and FC concerning PF
- Composition (art. I 2.05, since 1 Nov. 2007) Mandate ≤ 6 yrs
 - Two nominated by CERN Council
 - One nominated by ESO Council

Employer representatives

- One nominated by DG of CERN
- Two nominated by CERN Staff Association
- One nominated by ESO Staff Association

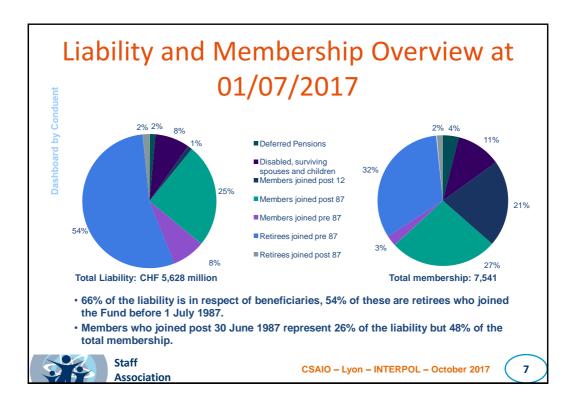
Employee representatives

One nominated by CERN/ESO pensioners

Two professional experts nominated by CERN Council with voting right



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The funding level at 1 January 2016 was 73.0%. At 1 July 2017 it was 73.2%.



The deficit has been reduced from CHF 1.512 bn as at 1 January 2016 by CHF 50 m to CHF 1.507 bn at 1 July 2017, and the funding level has increased by 0.2%.



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Strategic Asset Allocation

Asset class	2017	2016	2015
Fixed Income	36.5%	30.0%	35.0%
Equities	15.0%	25.0%	20.0%
Real Estate	20.0%	20.0%	20.0%
Timberland/Farmland	3.5%	5.0%	0.0%
Private Equity	6.0%	5.0%	5.0%
Hedge Funds	8.0%	10.0%	10.0%
Commodities/Gold	4.0%	0.0%	0.0%
Cash	7.0%	5.0%	10.0%



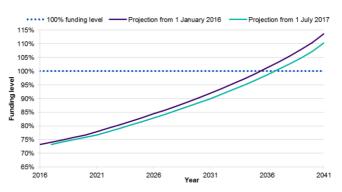
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Projection of the Funding Level to 01/01/2041

Dashboard by Condue



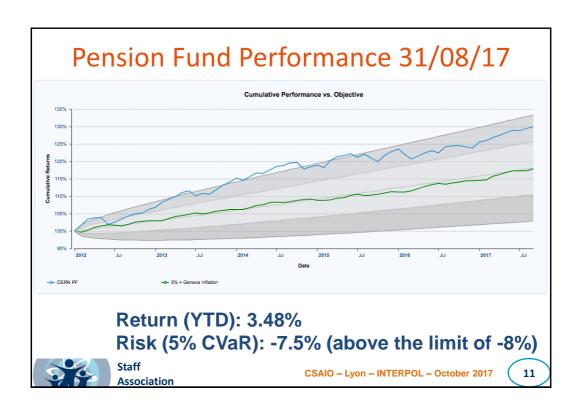
The above projections allow for the following assumptions:

- 1.0% p.a. until 2024 and 1.5% from 2025 onwards for pension and inflationary increases
- · 83% VZ 2010 Generational mortality
- Withdrawals of active members from the Fund of 0.92% p.a. on average for all members
- 4.0% p.a. investment return until 2019, 4.5% p.a. investment return from 2020 to 2024 and 5.0% p.a. investment return from 2025 onwards
- Special contributions of CHF 61.3 m p.a., based on current levels of ESO special contributions (which are under review)



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CERN Pension Fund

- The projection of the Funding Level to 01/01/2041 remains above full funding, as planned and expected;
- The performance rate YTD stands at 3.48% which is in line with the objective of 3% annual performance above inflation;
- WG on the guarantee of pensions in the event of the dissolution of the Organization started its work, discussion for including also the Health Insurance coverage;
- No present difficult discussions;
- The next triennial actuarial study will be held next year and could lead to new discussions.



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Working Group on the PF Governance

- Mandate: achieve a comprehensive review of the Fund's Rules;
- Members CERN Council: 1, ESO
 Council: 1, SA: 1, GAC: 1, external: 1,
 SACA: 1, 2 external experts;
- The draft is essentially completed;
- Most important remaining item to be addressed: the composition of PFGB to be discussed during the next three meetings
- The SA asks to comment the final version of the working group report after its submission to the Council for comments;
- The SA defends the principle of joint representation within the PFGB
 - voting rights reserved for stakeholders.

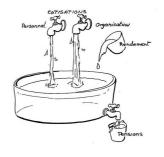


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Thank you for your attention

Any questions?



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