Distributing the Costs of Nuclear Core Melts

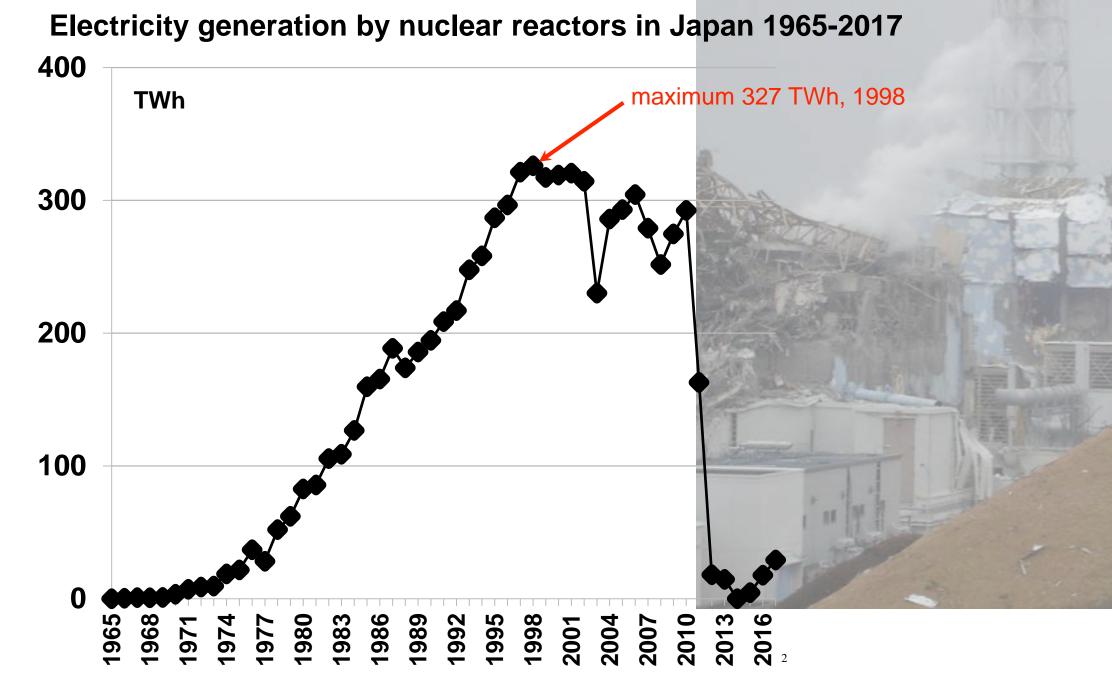
-Japan's Experience after 7 Years-

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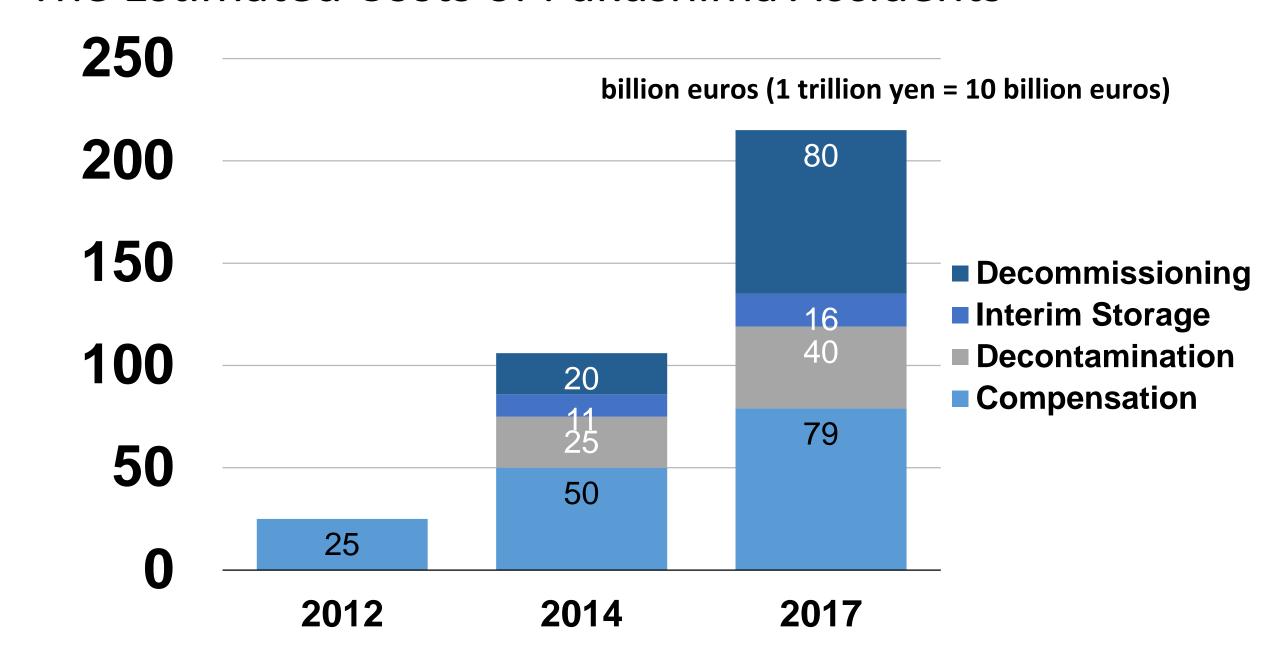
Aim of July 2018 Strategic Energy Plan: Re-establishment of the nuclear energy policy While:

Fukushima accident cost are increasing Our topic:

How are Fukushima costs managed?

The source: TEPCO's business plans

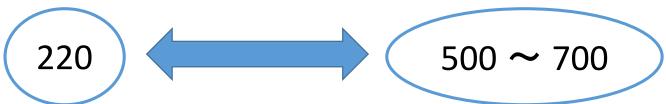
- Fukushima dai-ichi is officially not a cost to the government.
- Instead, included in TEPCO's business plans. "Act on Compensation for Nuclear Damage".
- Business plans provided in 2012, 2014, and 2017



Japan Center for Economic Research (JCER)

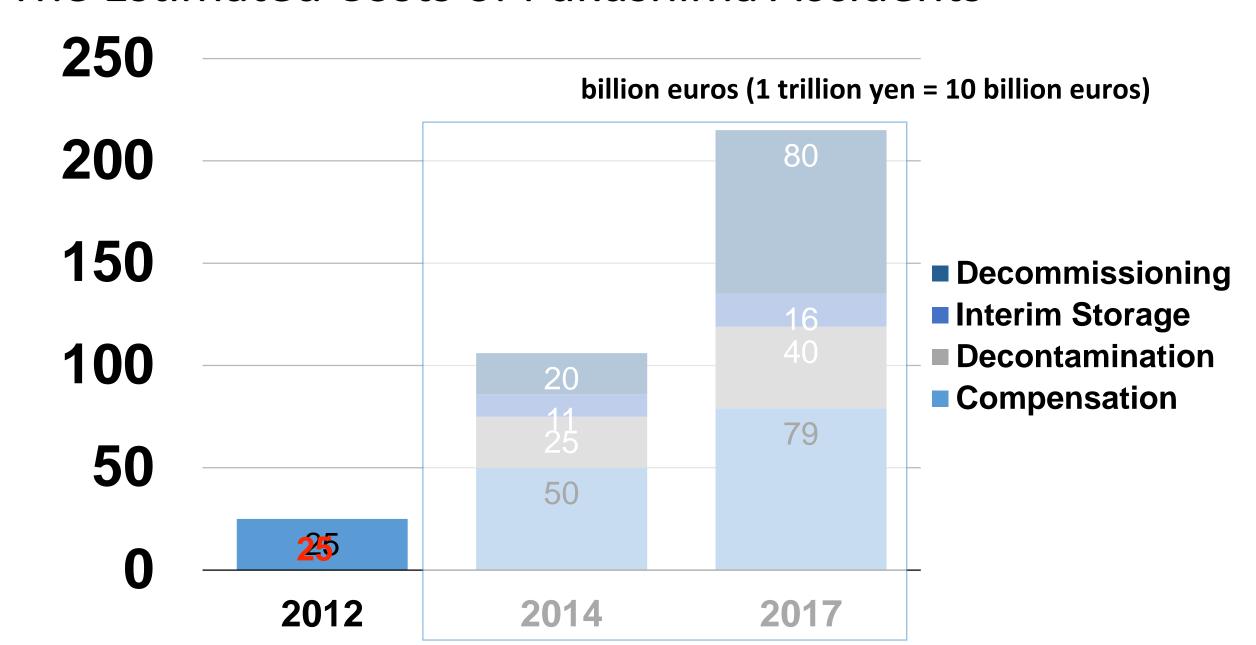
billion euros (1 trillion yen = 10 billion euros)

	GoJ	JCER (1)	JCER (2)
Decommissioning	80	320	110
Compensation	80	80	83
Decontamination & Interim Storage	60	300	300
Total	220	700	493



Health effects

 Economics measures of health costs are not included in the official cost estimates.

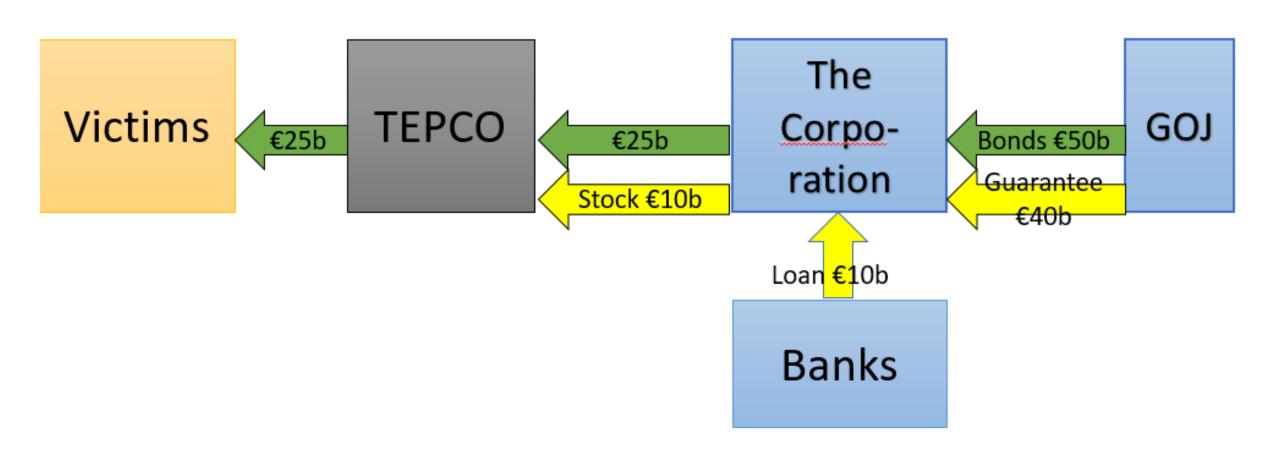


Moreover, in order to make TEPCO able to pay for its ongoing business activity, such as buying additional fuels and paying interests to banks,

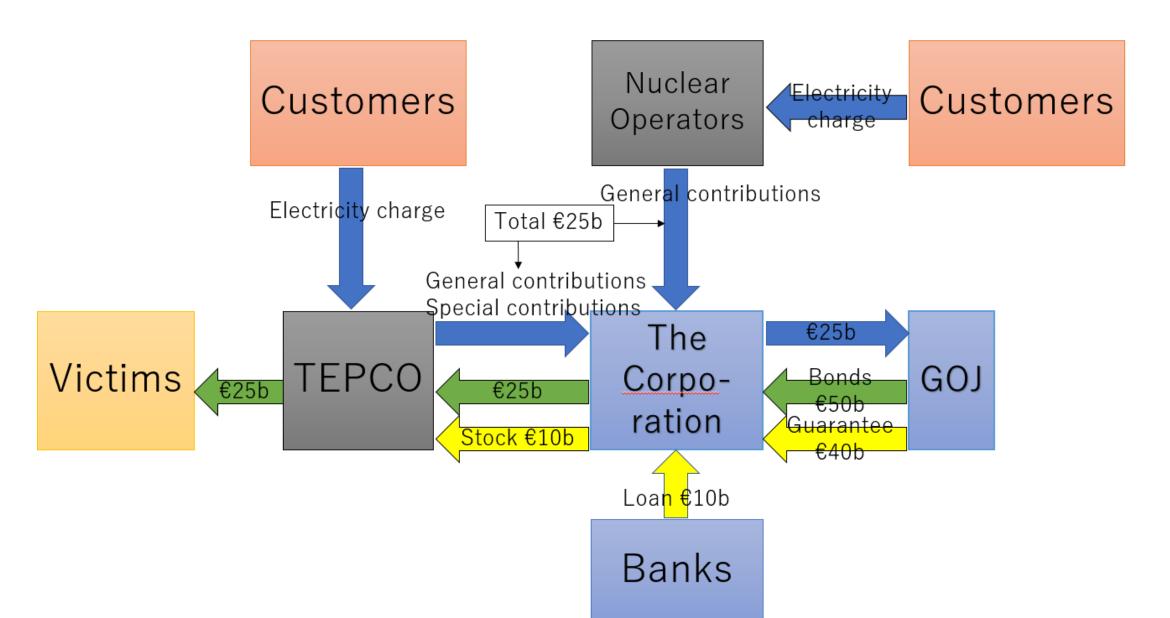
1兆円 €10 billion

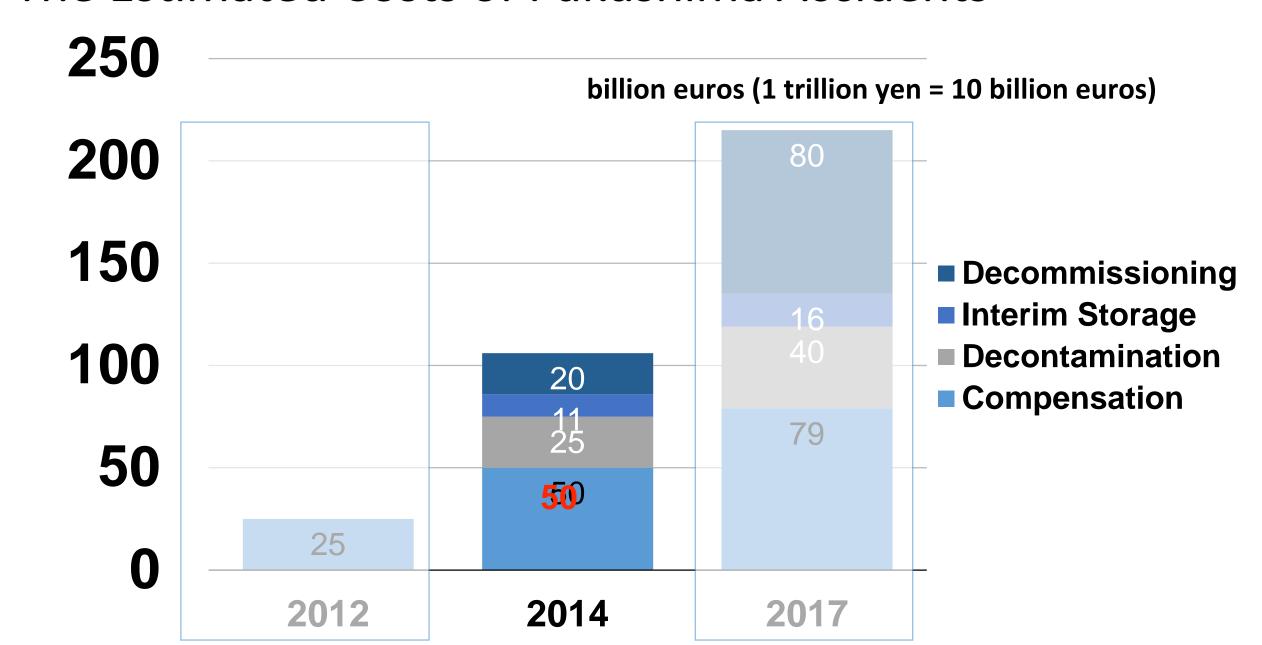
*This amount is not included in the nuclear accident cost today.

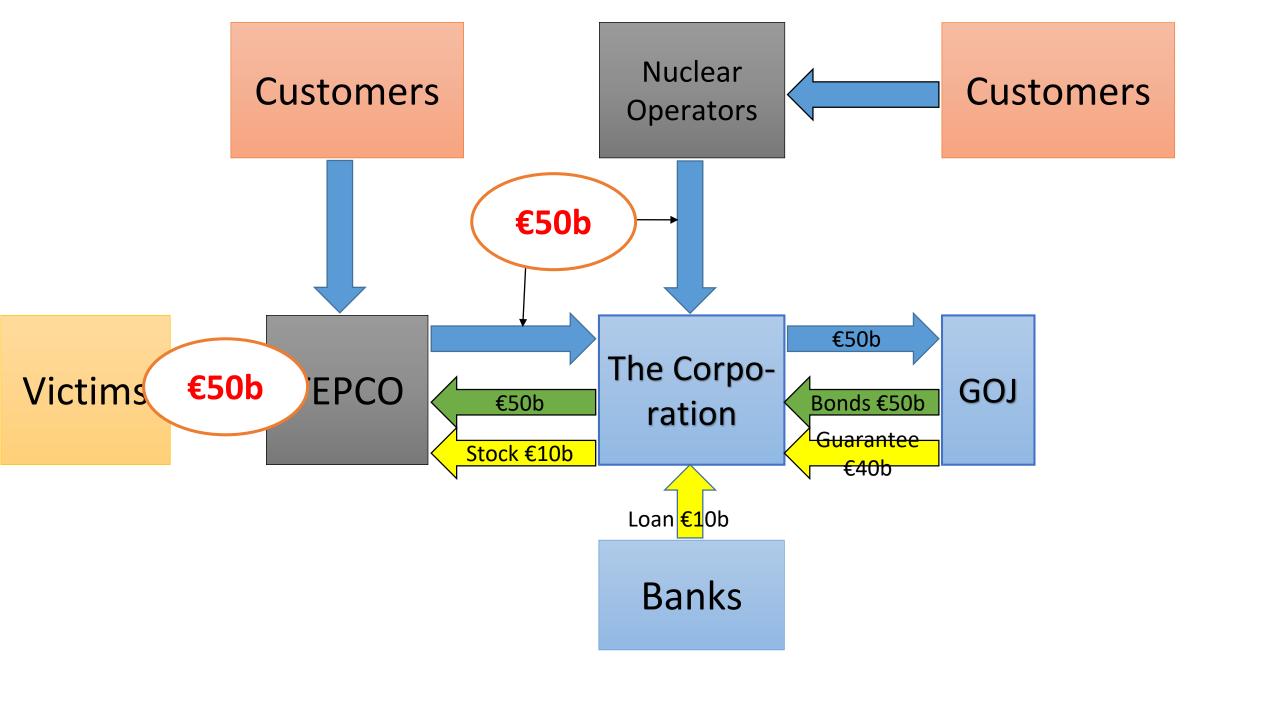
Who is paying/going to pay the €25 billion?

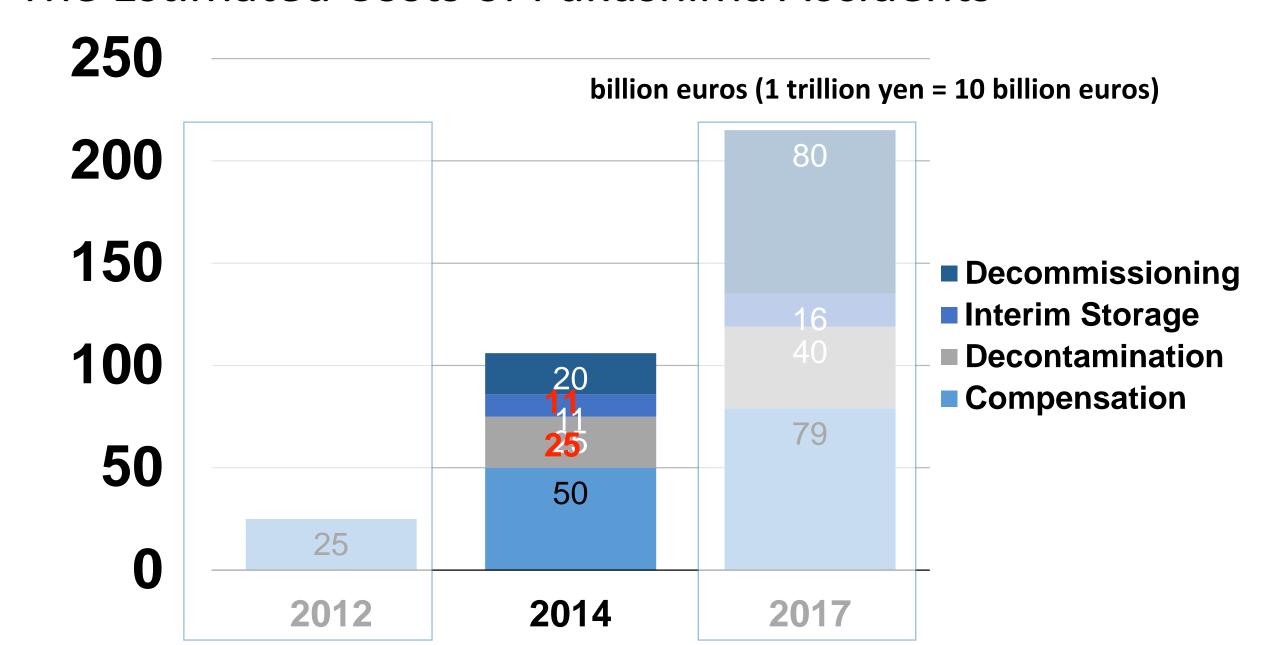


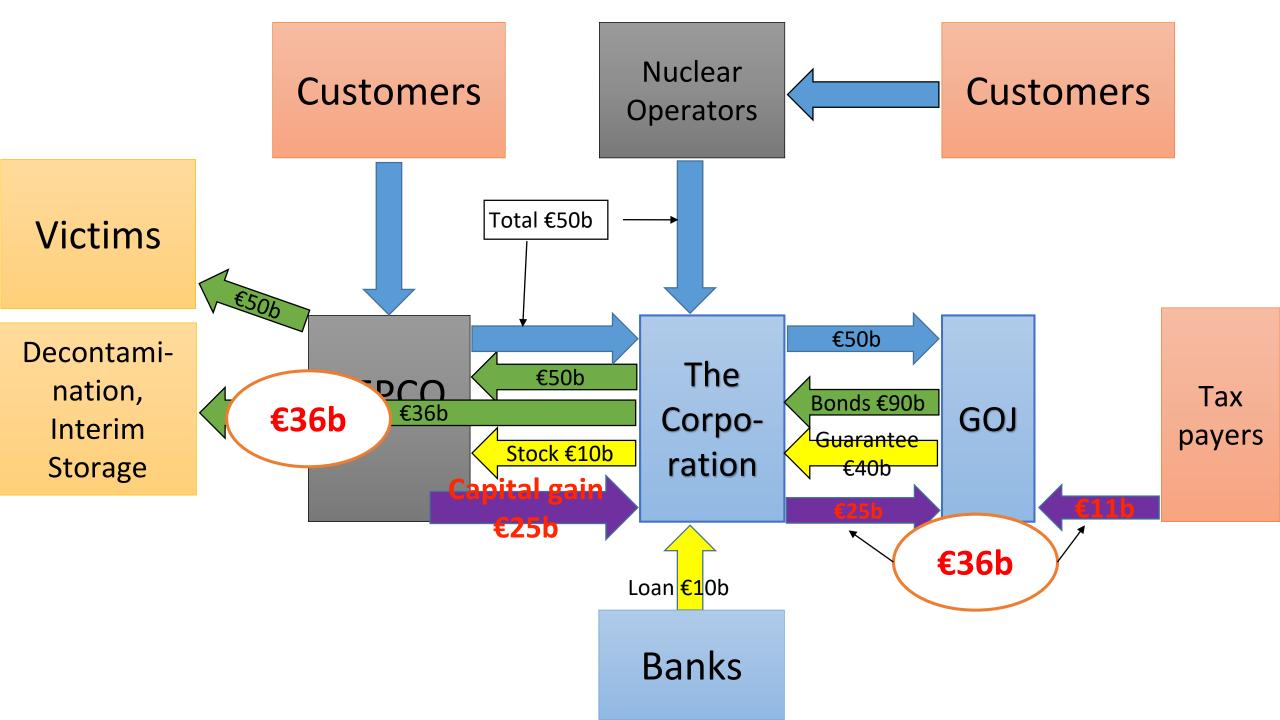
How to ensure the pay back?

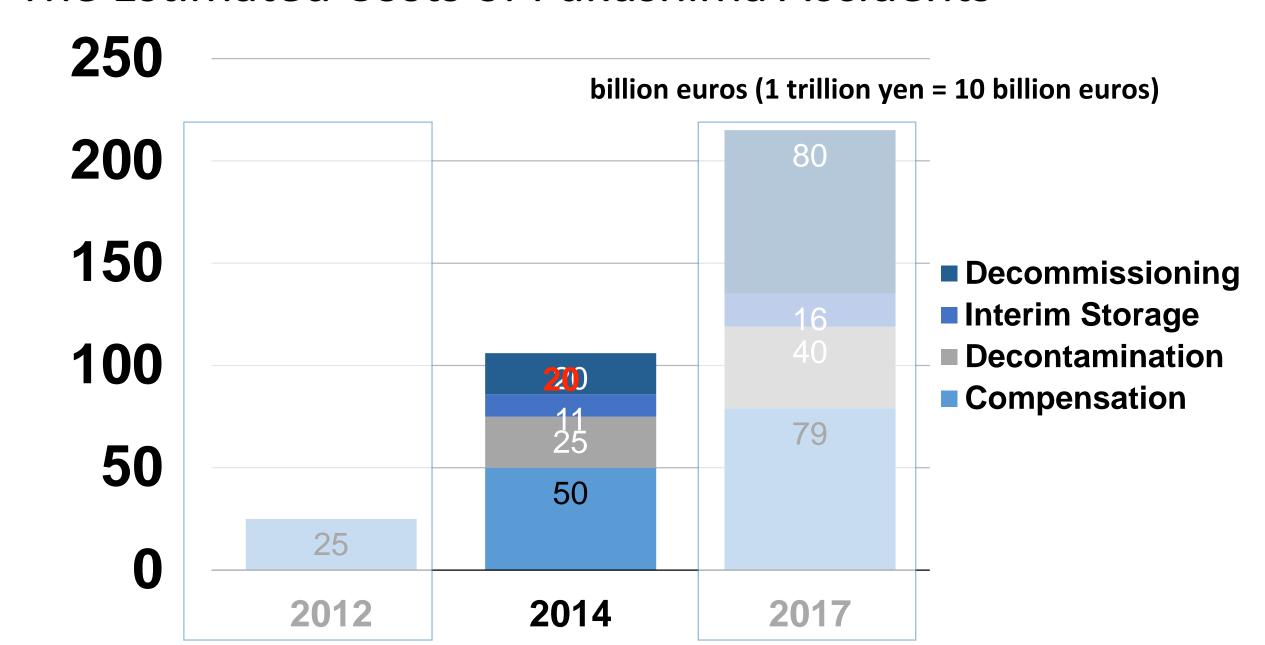


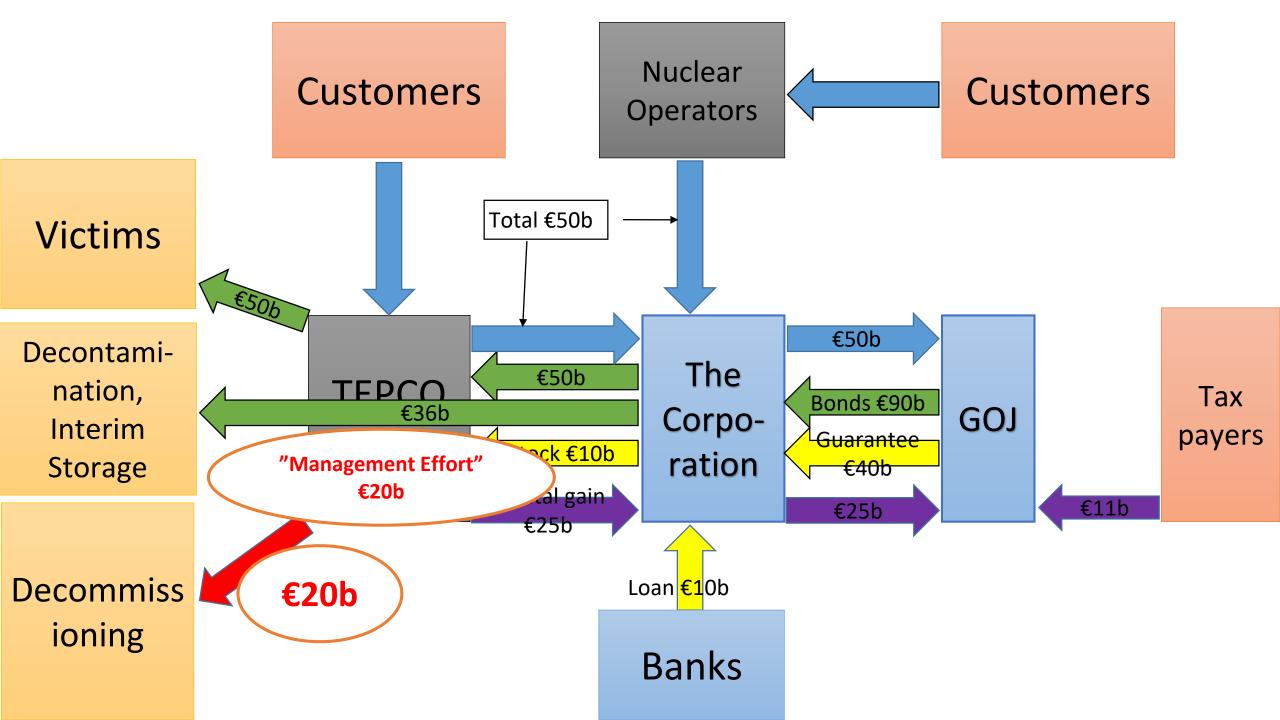


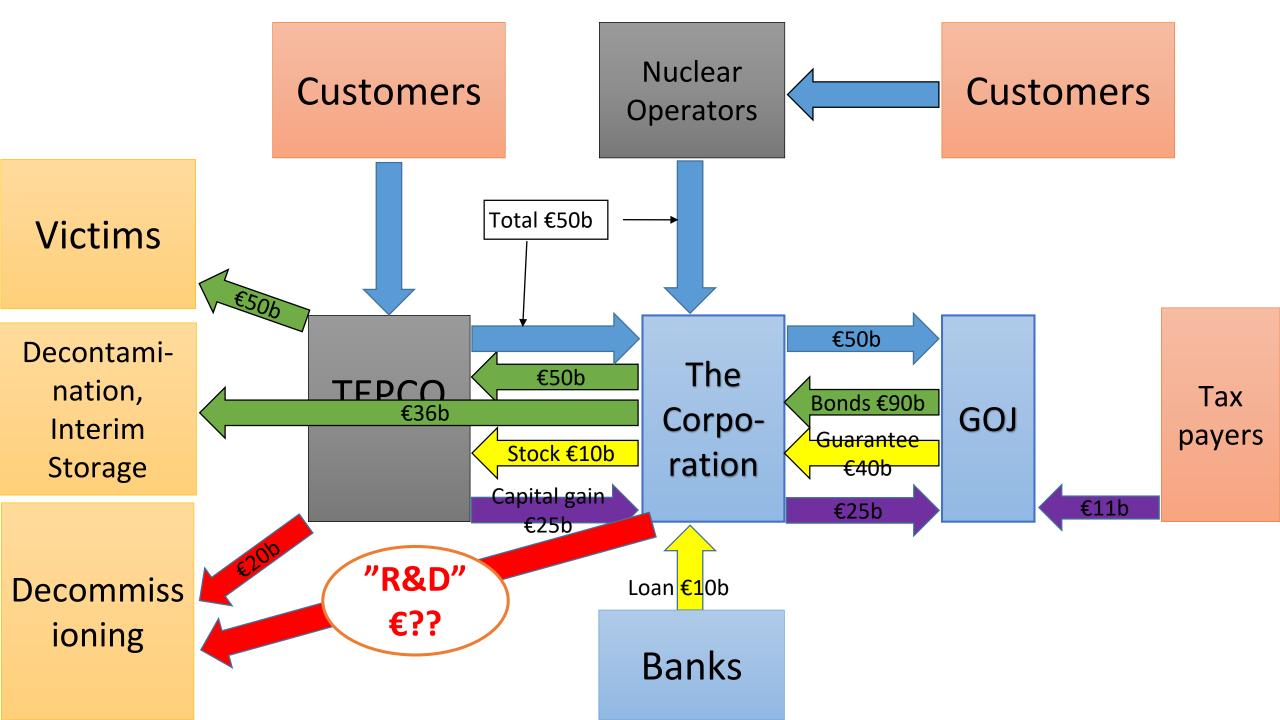


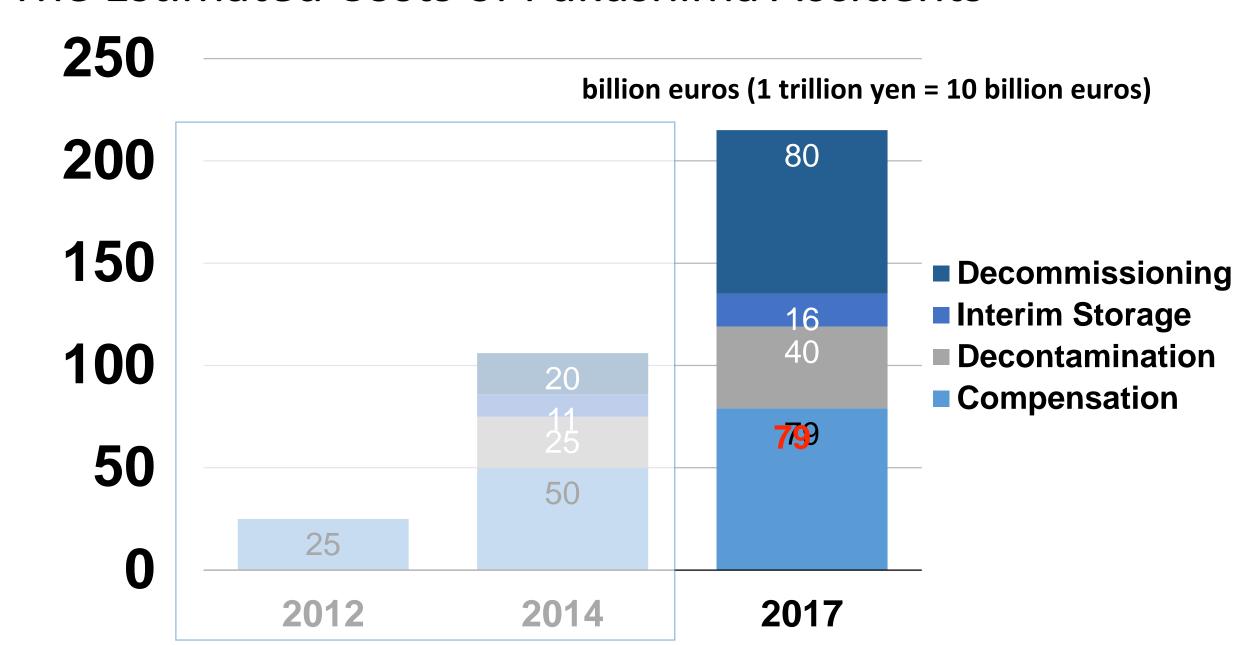


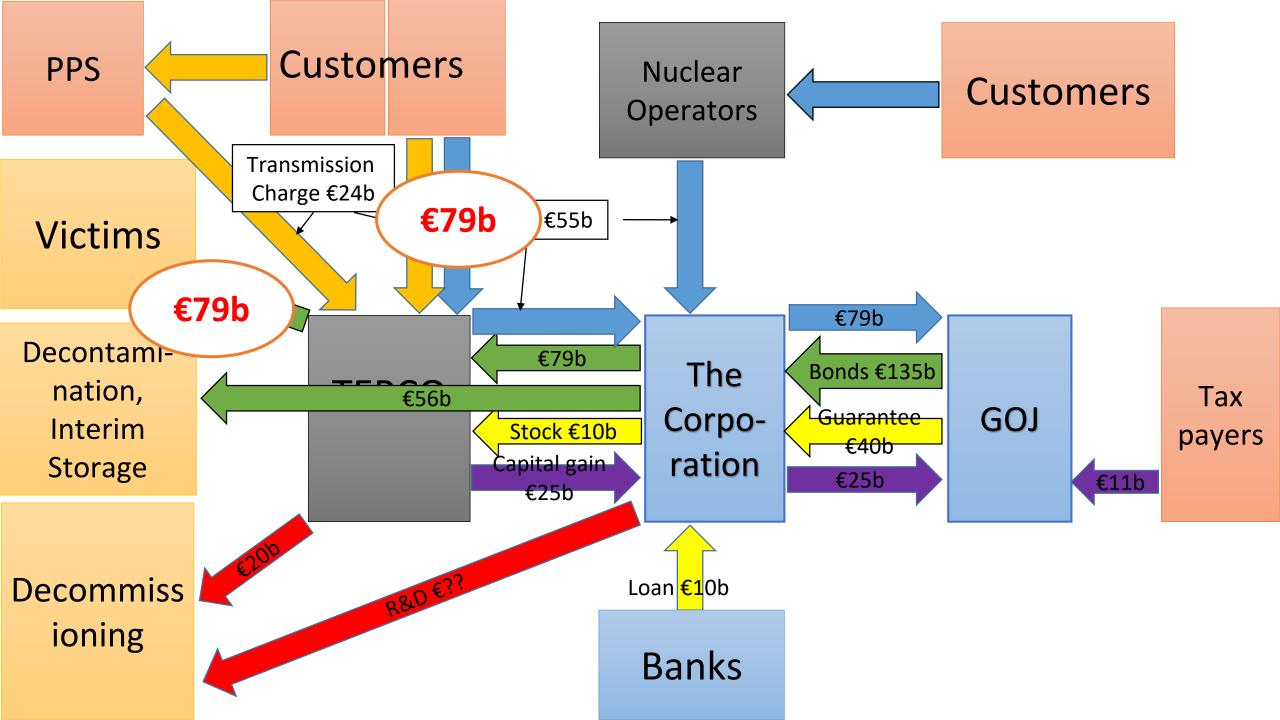


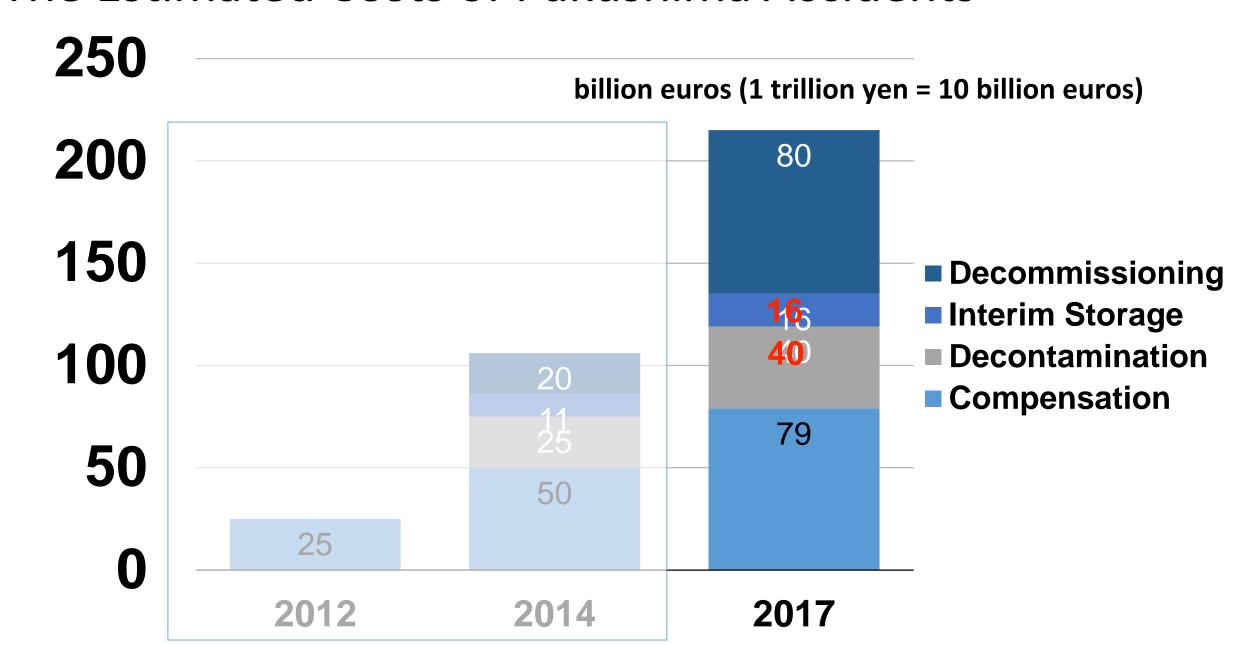


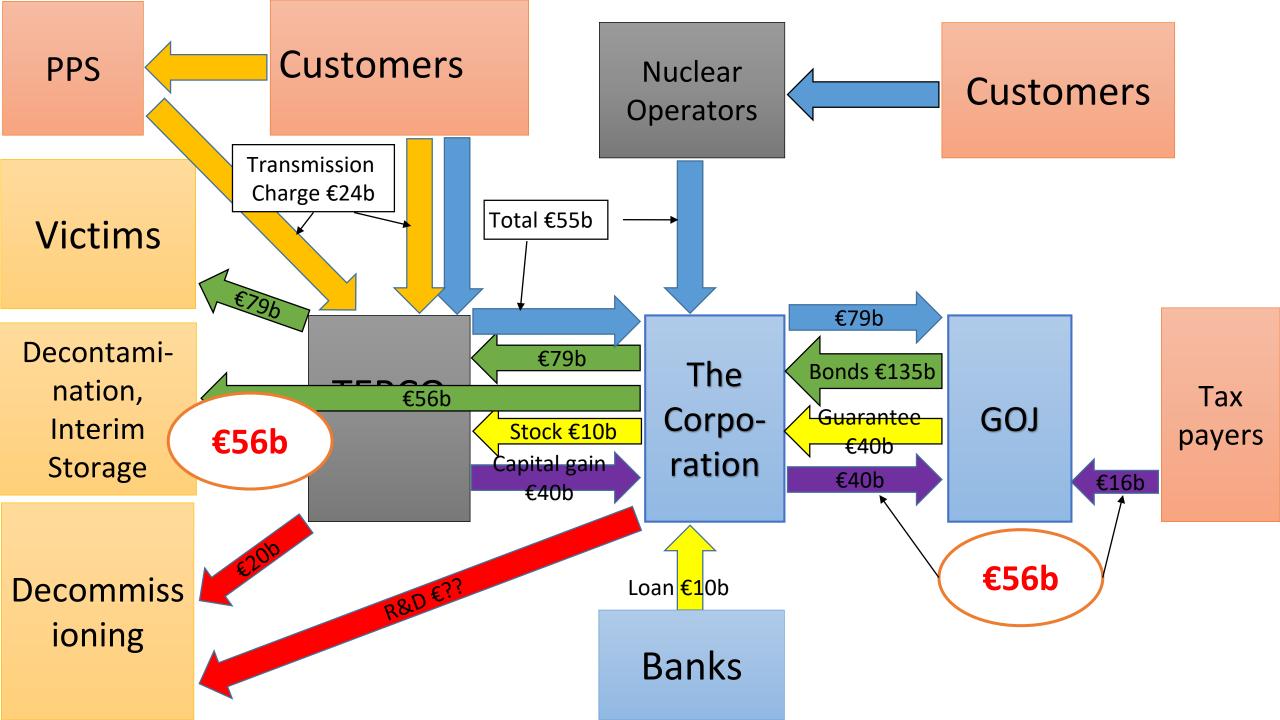


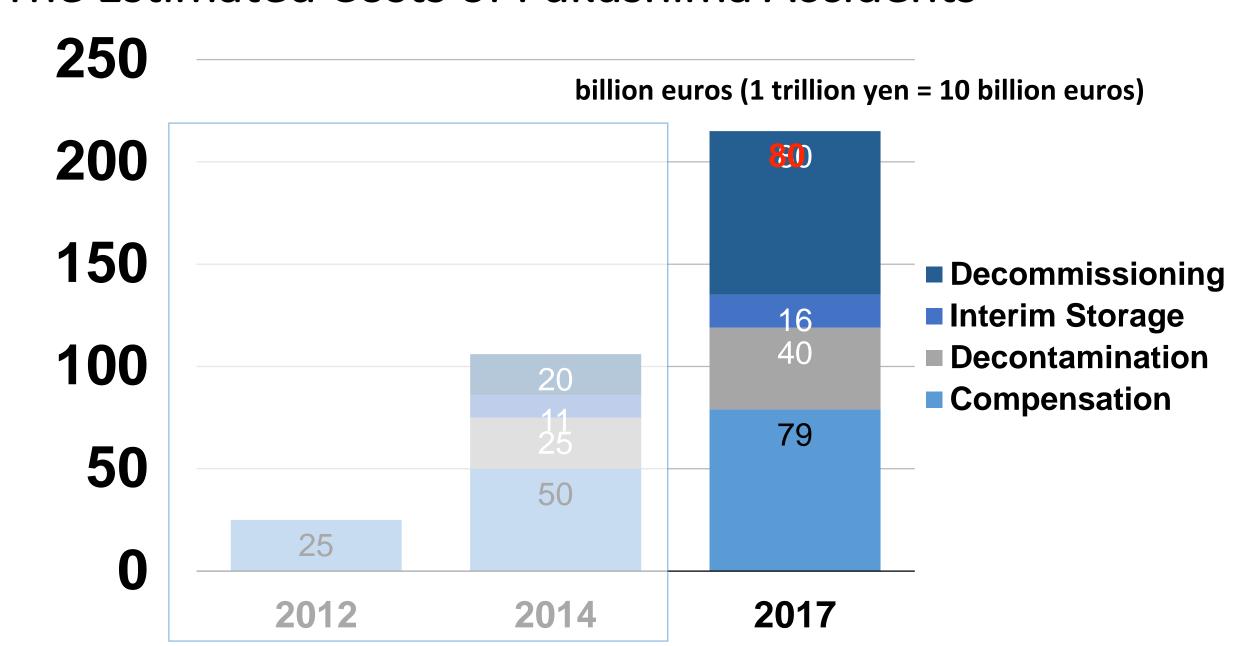


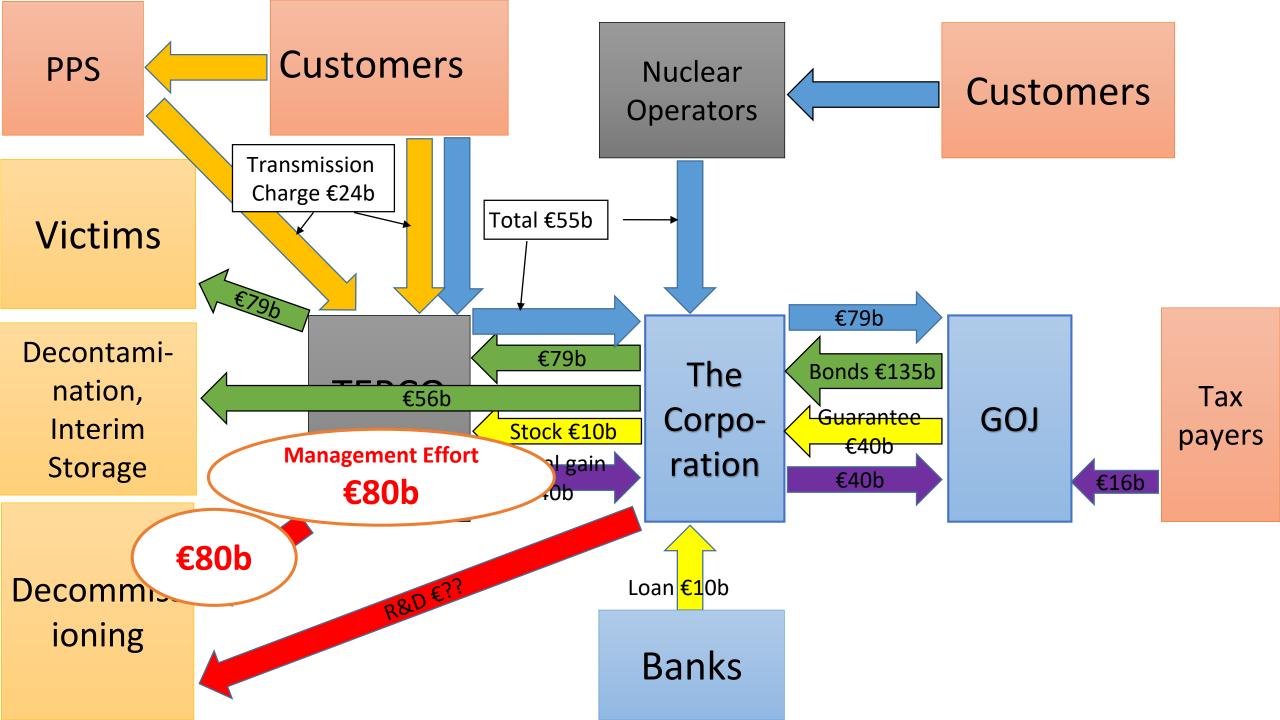












Conclusions

- Moral hazard introduced by rescuing TEPCO's owners from bankruptcy
- Official numbers likely to increase again
- Maybe acceptable "retractive insurance" idea behind making all nuclear operators contribute
- Against the idea of competition to have non-nuclear customers pay
- Unrealistic that "Capital Gains" and "Management Efforts" resulting in TEPCO being able to pay back some 120 billion €.

- What may other countries learn?
- Liability regulation should ensure nuclear industry paying capacity.

Time to discuss!