

# «Διαχείριση Περιβαλλοντικών Κινδύνων από την Ασφαλιστική Αγορά»

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# The Evolving Risks Landscapes, 2008 - 2018

Top 5 Global Risks in Terms of Likelihood

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1st	Asset price collapse	Asset price collapse	Asset price collapse	Storms and cyclones	Severe income disparity	Severe income disparity	Income disparity	Interstate conflict with regional consequences	Large-scale involuntary migration	Extreme weather events	Extreme weather events
2nd	Middle East instability	Slowing Chinese economy (<6%)	Slowing Chinese economy (<6%)	Flooding	Chronic fiscal imbalances	Chronic fiscal imbalances	Extreme weather events	Extreme weather events	Extreme weather events	Large-scale involuntary migration	Natural disasters
3rd	Failed and failing states	Chronic disease	Chronic disease	Corruption	Rising greenhouse gas emissions	Rising greenhouse gas emissions	Unemployment and underemployment	Failure of national governance	Failure of climate-change mitigation and adaptation	Major natural disasters	Cyberattacks
4th	Oil and gas price spike	Global governance gaps	Fiscal crises	Biodiversity loss	Cyber attacks	Water supply crises	Climate change	State collapse or crisis	Interstate conflict with regional consequences	Large-scale terrorist attacks	Data fraud or theft
5th	Chronic disease, developed world	Retrenchment from globalization (emerging)	Global governance gaps	Climate change	Water supply crises	Mismanagement of population ageing	Cyber attacks	High structural unemployment or underemployment	Major natural catastrophes	Massive incident of data fraud/theft	Failure of climate-change mitigation and adaptation

Top 5 Global Risks in Terms of Impact

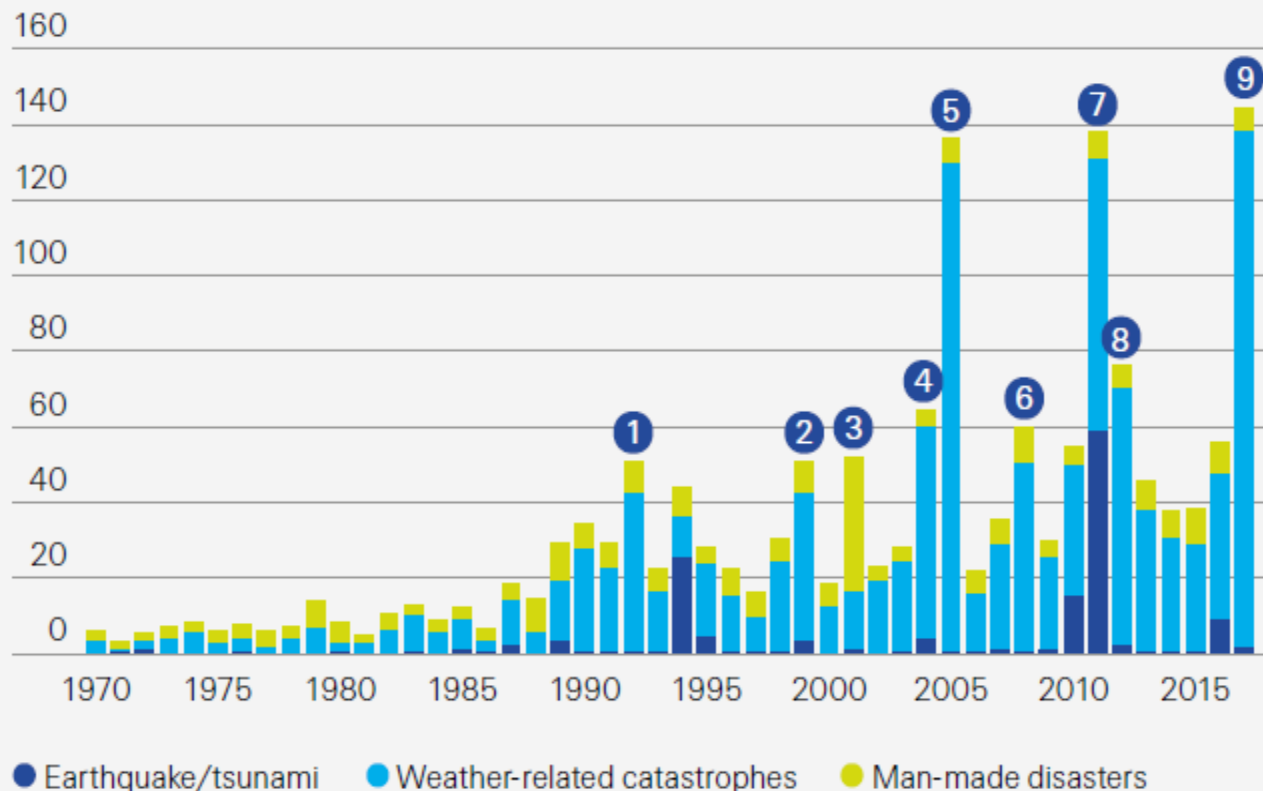
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1st	Asset price collapse	Asset price collapse	Asset price collapse	Fiscal crises	Major systemic financial failure	Major systemic financial failure	Fiscal crises	Water crises	Failure of climate-change mitigation and adaptation	Weapons of mass destruction	Weapons of mass destruction
2nd	Retrenchment from globalization (developed)	Retrenchment from globalization (developed)	Retrenchment from globalization (developed)	Climate change	Water supply crises	Water supply crises	Climate change	Rapid and massive spread of infectious diseases	Weapons of mass destruction	Extreme weather events	Extreme weather events
3rd	Slowing Chinese economy (<6%)	Oil and gas price spike	Oil price spikes	Geopolitical conflict	Food shortage crises	Chronic fiscal imbalances	Water crises	Weapons of mass destruction	Water crises	Water crises	Natural disasters
4th	Oil and gas price spike	Chronic disease	Chronic disease	Asset price collapse	Chronic fiscal imbalances	Diffusion of weapons of mass destruction	Unemployment and underemployment	Interstate conflict with regional consequences	Large-scale involuntary migration	Major natural disasters	Failure of climate-change mitigation and adaptation
5th	Pandemics	Fiscal crises	Fiscal crises	Extreme energy price volatility	Extreme volatility in energy and agriculture prices	Failure of climate-change mitigation and adaptation	Critical information infrastructure breakdown	Failure of climate-change mitigation and adaptation	Severe energy price shock	Failure of climate-change mitigation and adaptation	Water crises

■ Economic 
 ■ Environmental 
 ■ Geopolitical 
 ■ Societal 
 ■ Technological

# Insured Losses in USD billion (inflated to 2017 USD)

Insured catastrophe losses  
1970–2017 in USD billion,  
at 2017 prices

- 1 1992: Hurricane Andrew
- 2 1999: Winter Storm Lothar
- 3 2001: World Trade Center
- 4 2004: Hurricanes Ivan, Charley, Frances
- 5 2005: Hurricanes Katrina, Rita, Wilma
- 6 2008: Hurricanes Ike, Gustav
- 7 2011: Japan, NZ earthquakes, Thailand flood
- 8 2012: Hurricane Sandy
- 9 2017: Hurricane Harvey, Irma, Maria



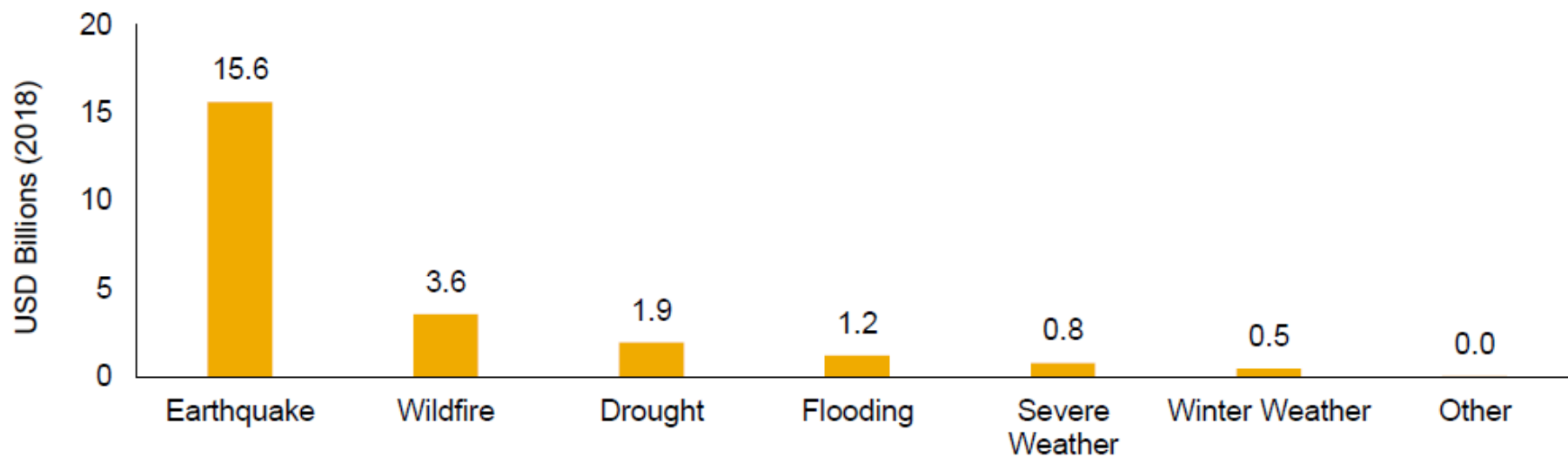
Source: Swiss Re Institute

## ΕΑΕΕ – Φυσικές καταστροφές και ταραχές στην Ελλάδα 1993 – 2014

### Πλήθος δηλωθεισών ζημιών και ποσό απαίτησης ανά αιτία ζημιάς

Αιτία ζημιάς	Πλήθος ζημιών	Ποσό απαίτησης (εκατ. €)	Μέση ζημία (χιλ. €)
Χιονοπτώσεις	646	2,4	3,7
Βροχοπτώσεις	7.732	93,1	12,0
Δασικές πυρκαγιές	459	9,7	21,2
Σεισμός	9.895	118,8	12,0
Ταραχές	1.193	48,5	40,7
<b>Σύνολο</b>	<b>19.925</b>	<b>272,5</b>	<b>13,7</b>

## GREECE - Cumulative economic loss since 1950 by peril (inflated to 2018 USD)



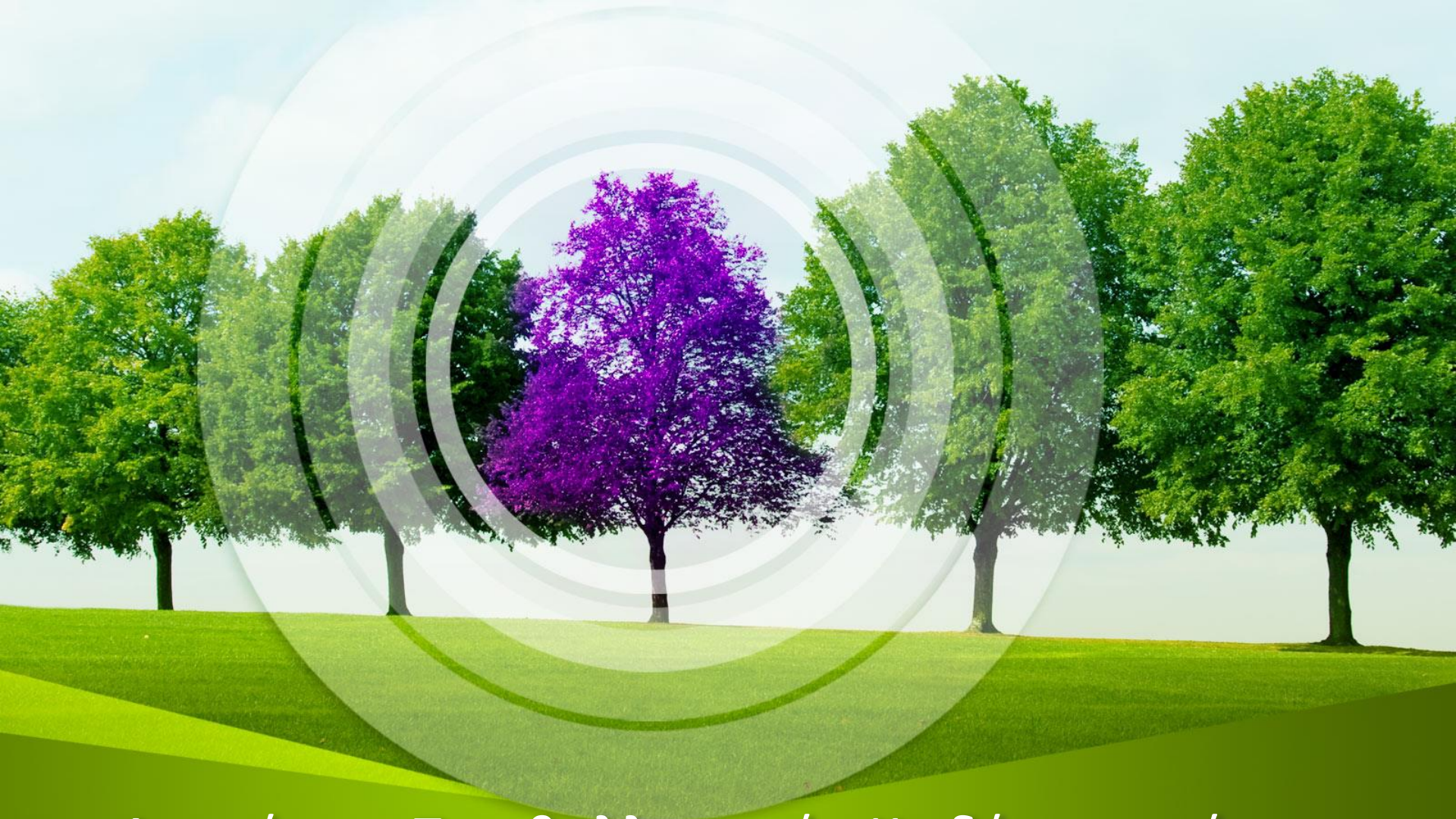
Source: Impact Forecasting



## IIA – Internal Control and Risks

Mitigating controls reduce the potential impact should an event occur.

«**Insurance is a prime example of mitigating control.**»



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