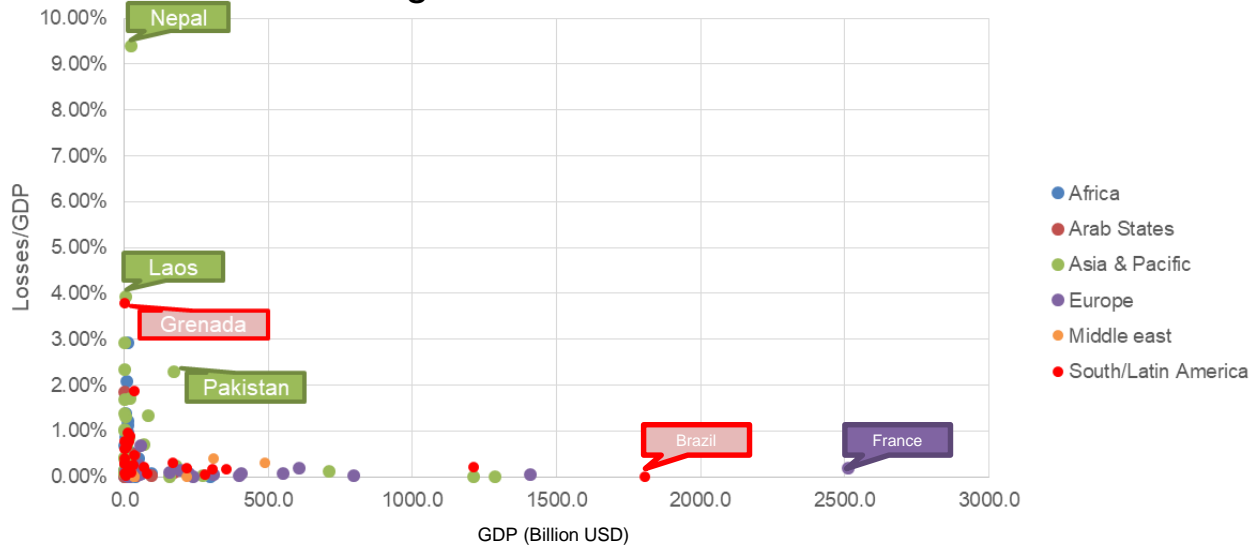
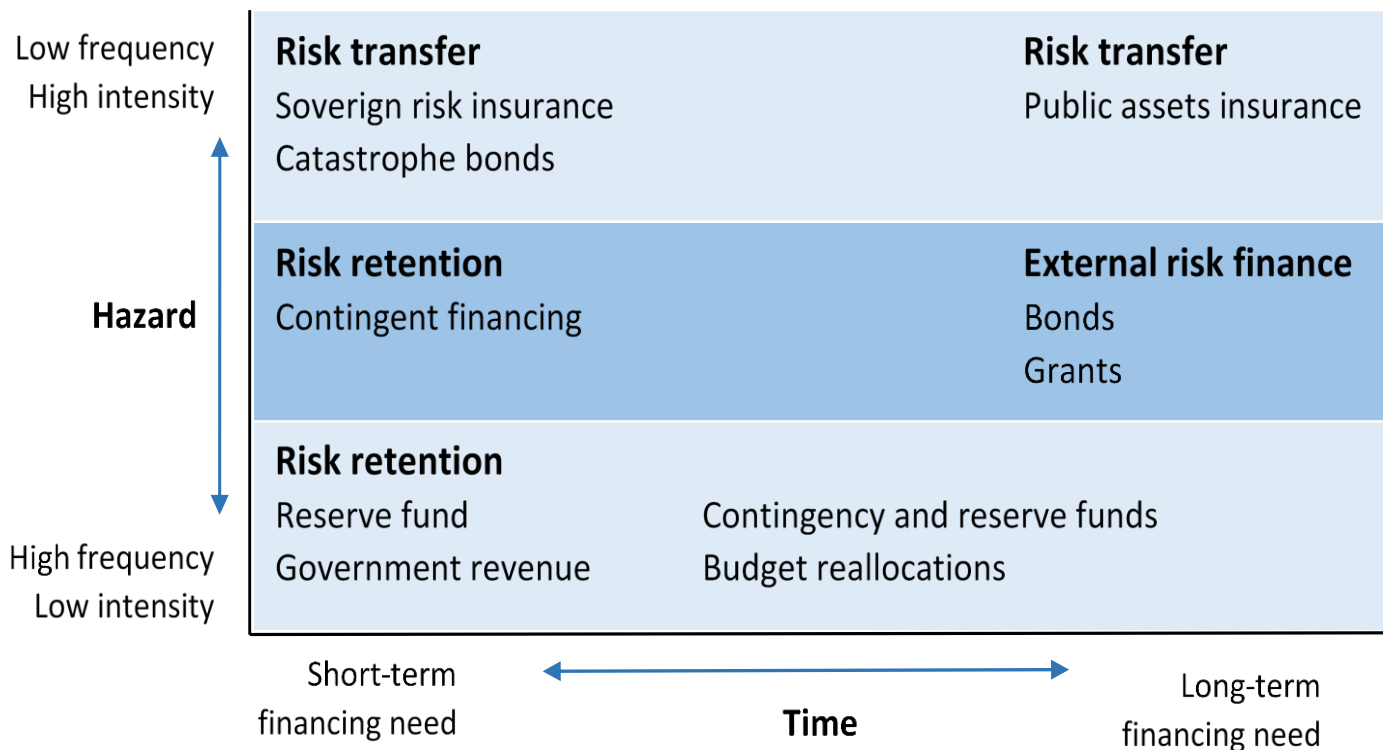


# **Breaking barriers to scaling-up adaptation: innovative solutions for finance, technology, analytics, and governance**

### Average annual losses 2005-2020

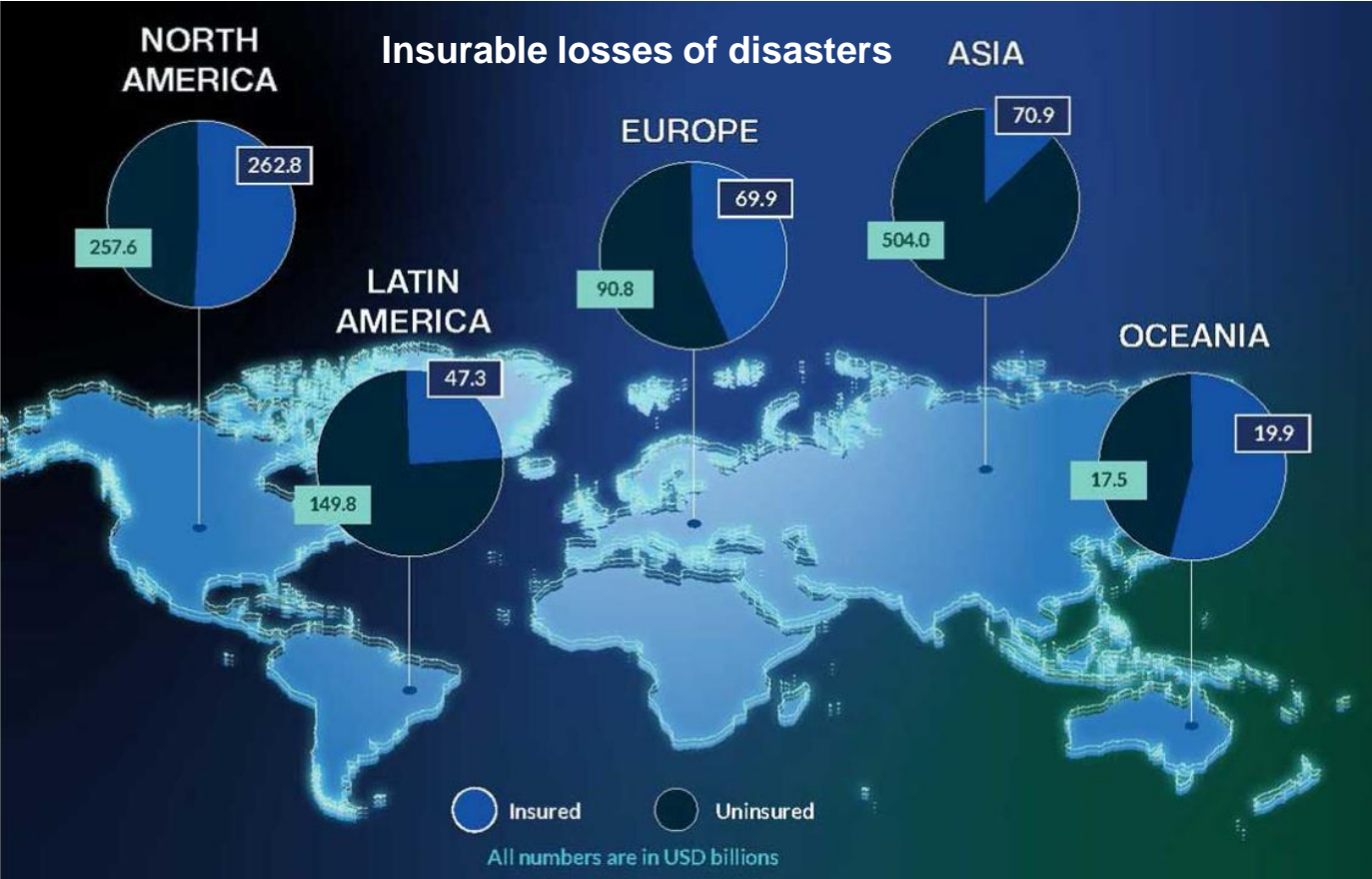


Country	Region	Annual average 2005-2020		
		Losses (USD/GDP)	GDP (Billion USD)	Losses (M USD)
Nepal	Asia & Pacific	9.40%	21.0	1969.87
Laos	Asia & Pacific	3.93%	5.2	202.86
Grenada	South/Latin America	3.79%	0.7	26.35
Madagascar	Africa	2.92%	10.7	312.05
Palau	Asia & Pacific	2.91%	0.2	6.19
Samoa	Asia & Pacific	2.34%	0.6	13.67
Pakistan	Asia & Pacific	2.29%	172.5	3943.63
Niger	Africa	2.08%	9.6	200.12
Paraguay	South/Latin America	1.87%	33.6	626.23
Comoros	Arab States	1.84%	1.2	21.24



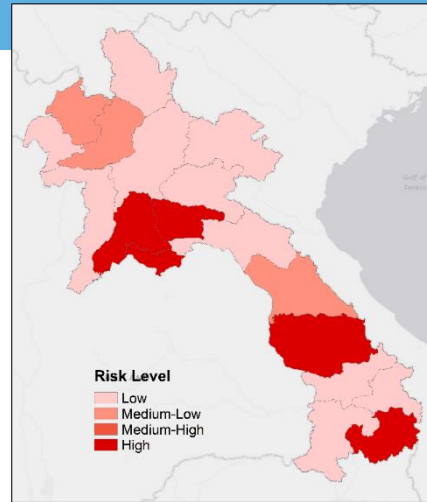
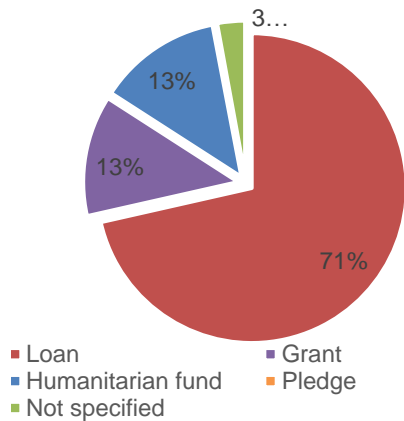
Source: Adapted from (Radu 2021)

## However, the use of these measures is limited in vulnerable regions



Source: AIR-worldwide

Type of instrument used by funding size



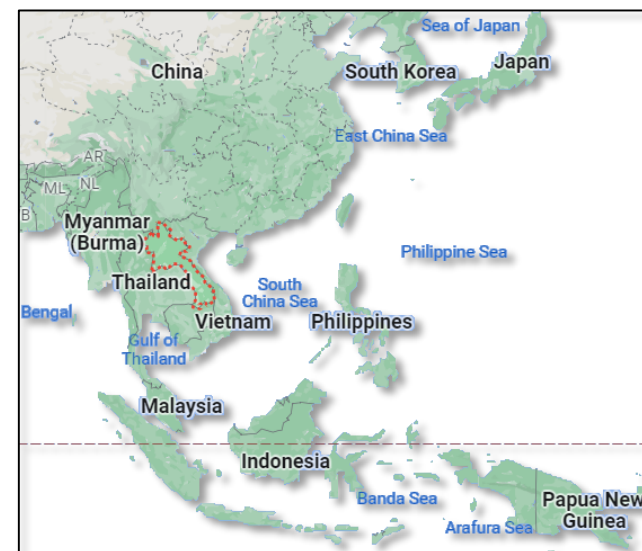
Hazard type	External risk finance		Risk retention		Total	
	# of cases	Amount (M USD 2022)	# of cases	Amount (M USD 2022)	# of cases	Amount (M USD 2022)
Floods	38	236.92	21	98.75	59	335.67
Tropical storms	101	71.37	9	64.39	110	135.67

Case study	External risk finance		Risk retention		Total DRF	Total damages	Uncovered damages
	# of cases	Amount (USD M 2022)	# of cases	Amount (USD M 2022)	Amount (USD M 2022)	Amount (USD M 2022)	%
2009 Tropical Storm Ketsana	45	36.48	3	37.32	73.80	148.14	50.2
2011 Tropical Storm Haima	10	14.76	2	2.31	17.07	65.39	73.9
2018 Floods	17	212.89	9	67.60	280.49	597.85	53.1
<b>Total</b>	<b>72</b>	<b>264.13</b>	<b>14</b>	<b>107.23</b>	<b>371.36</b>	<b>811.38</b>	<b>54.2</b>



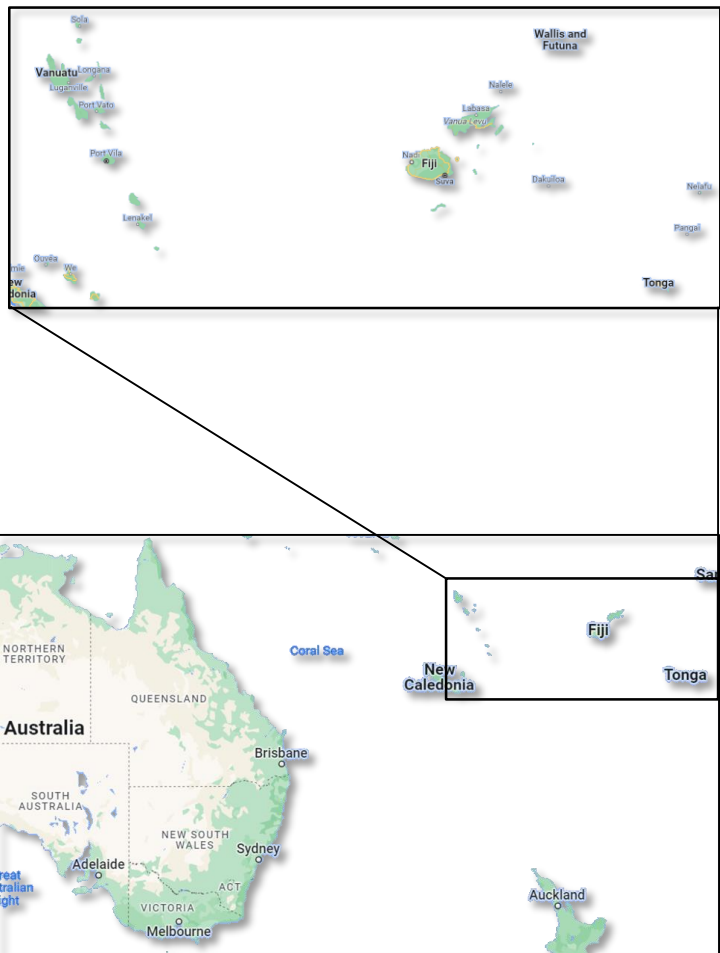
# DRFI profiles, are a first step to identify needs, options, and priorities

Year	Total DRF (USD M 2022)	Impact	Frequency
2018 Floods	280.49	High	Low
2017	137.98	High	Low
2012	81.49	High	Medium
2009 TS Ketsana	73.80	High	Medium
2015	59.92	High	Medium
2020	48.91	Medium	Medium
2010	42.68	Medium	Medium
2019	32.11	Medium	Medium
2009	24.57	Medium	Medium
2011 TS Haima	17.07	Medium	Medium
2021	16.98	Medium	High
2008	11.64	Medium	High
2018	6.41	Low	High
2016	5.50	Low	High
2013	5.32	Low	High
2011	4.70	Low	High
2000	3.75	Low	High
2022	2.55	Very Low	High
2004	1.18	Very Low	High
2014	0.86	Very Low	High
2002	0.19	Very Low	High





# Risk transfer solutions can provide timely resources for recovery and reconstruction



- The **Pacific Insurance and Climate Adaptation Programme (PICAP)** is a collaboration of UNCDF, UNU-EHS and UNDP.
- It launched **the first parametric micro insurance products** in the Pacific in Fiji in 2021 and refined and new products in 2022 in Fiji, Vanuatu and Tonga.
- **1,388 farmers and fishers (32% women)** insured in its first year (2021/2022 cyclone season) and **4,799 policyholders (47% women)** in its second year (2022/2023 cyclone season).
- **First payouts were transferred in February 2023 to 559 households in Fiji and Vanuatu for over 100.000 USD** following heavy rainfall beginning of January.

# Thank you

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