

Our Members and Partners

61 members from different fields have joined the InsuResilience Global Partnership (as of December 2018).

12 Countries



15 Private-Sector Organizations































11 Multilateral Institutions



























9 Civil Society Institutions



















5 Academic Institutions











5 Implementing Partners











4 Initiatives & Networks











Annual Report 2018

Working toward a Climate-Resilient Future

List of Abbreviations and Terms

A2ii	Access to Insurance Initiative
A2R	UN Climate Resilience Initiative A2R: Anticipate, Absorb, Reshape
ARC	African Risk Capacity
BMZ	German Federal Ministry for Economic Cooperation and Development
САН	Crédito Agrícola de Habilitación
CDRFI	Climate and Disaster Risk Finance and Insurance
CGDP	Centre for Global Disaster Protection
CNAAS	Compagnie Nationale d'Assurance Agricole du Sénégal
СОР	Conference of the Parties to the UNFCCC
CRFIP	Climate Risk Financing and Insurance Program
DFID	United Kingdom's Department for International Development
FDRM	Financial Disaster Risk Management
GFDRR	Global Facility for Disaster Reduction and Recovery
GIIF	Green Innovation and Investment Forum
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
GRiF	Global Risk Financing Facility
G7	Group of Seven
G20	Group of Twenty
HLCG	High-Level Consultative Group
IDF	Insurance Development Forum
IMF	International Monetary Fund
IIF	InsuResilience Investment Fund
IPCC	Intergovernmental Panel on Climate Change
ISF	InsuResilience Solutions Fund
KfW	The German Development Bank (Kreditanstalt für Wiederaufbau)
MCII	Munich Climate Insurance Initiative
MDTF	Multi Donor Trust Fund
NITF	National Insurance Trust Fund
NNDIS	National Natural Disaster Insurance Scheme
ODA	Official Development Assistance
PCRAFI	Pacific Catastrophe Risk Assessment and Financing Initiative
PCRIC	Pacific Catastrophe Risk Insurance Company
PIC	Pacific Island Countries
PPP	Public Private Partnership
PROCADENAS	Promotion of a Diversified and Sustainable Livestock Production
R4	Rural Resilience Initiative
SICL	SANASA Insurance Company
TA	Technical Assistance
TC	Tropical Cyclone
UNFCCC	United Nations Framework Convention on Climate Change
UNSG	United Nations Secretary-General
UNU EHS	United Nations University's Institute for Environment and Human Security
V20	Vulnerable 20
VFI	VisionFund International
VMG	Vice Ministry of Livestock (Viceministerio de Ganadería)
WB	World Bank
WII	Weather Index Insurance

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Foreword

by the Co-Chairs of the High-Level Consultative Group: Republic of the Marshall Islands



Climate change poses increasing threats for our populations and economies. The recently launched IPCC Report shows that our V20 countries have the most to lose and urgent action is needed.

Earlier this year, at our 2nd V20-G20 Dialogue in Bali, the V20 renewed its commitment to promote ambitious efforts to address climate change and highlighted the InsuResilience Global Partnership as a key platform for collaboration.

The Partnership aims to protect the beating heart of our countries — our people. Our V20 membership spans more than one billion individuals who stand to lose their income, homes, or even lives. More than any other group, the V20 also faces the prospect of increasing costs of capital and economic losses due to climate change.

Going forward, we are committed to the Partnership and to supporting the successful implementation of disaster risk finance instruments, including insurance, to protect our people and create the long-term growth we need to survive and thrive.

Hon. Brenson S. Wase

Minister of Finance of the Republic of the Marshall Islands and Co-Chair of the High-Level Consultative Group

Foreword

by the Co-Chairs of the High-Level Consultative Group: Germany



Climate change across the world is harming our planet, and its impacts put an additional burden on developing societies and emerging economies. Financial security strengthens resilience of people affected by extreme weather events. This is why G20 and V20 countries jointly launched the InsuResilience Global Partnership for Climate and Disaster Risk Finance and Insurance Solutions at COP23 in 2017.

The Partnership has achieved a lot in its first year. More than 60 governments, international organizations, and partners from the private sector, the world of academia, and civil society have become members of the Global Partnership. 25 solutions for financial security are up and running and implemented in more than 70 countries.

This first Annual Report highlights examples and provides compelling evidence for the value of the Global Partnership's efforts.

Let us continue to deliver solutions for poor and vulnerable people – and thereby contribute to the implementation of the Paris Agreement, the 2030 Agenda, and the Sendai Framework.

Dr. Maria Flachsbarth

Parliamentary State Secretary to the Federal Minister for Economic Cooperation and Development of Germany and Co-Chair of the High-Level Consultative Group

Foreword

by the Civil Society Representatives: Making InsuResilience work for the Poor





The harmful impacts of climate change and increasingly frequent natural disasters disproportionately affect poor and vulnerable populations, reducing their incomes and increasing financial insecurity. Our organizations, along with other civil-society members, are signatories to the InsuResilience Global Partnership as we believe that a multi-stakeholder effort is required to help the poorest and most vulnerable in building resilience to climate shocks and natural disasters. The work and experience of our organizations in Africa, the Middle East, Asia, and Latin America demonstrate that holistic risk-management approaches and solutions are required to reduce exposure to natural-disaster risks, and to better manage their unavoidable impacts on the poor. Insurance products designed for the poor, strengthened social protection systems, and the development of new financing solutions for the most vulnerable are needed to complement ongoing efforts in disaster risk reduction and adaptation. As with all well-designed programs and products, input from those affected by the disasters and benefiting from the changes must be part of any proposed solution.

The establishment of the High-Level Consultative Group creates a new forum of collaboration for the InsuResilience Global Partnership. Since COP23 in 2017, civil society has been collaborating within the Partnership to develop propoor principles, promote gender equality, and contribute its experience to the design of programs and new initiatives such as the Global Risk Facility (GRiF). This important groundwork creates a platform from which the Partnership can support the expansion of natural disaster risk-management solutions that benefit those who are most in need of protection. We look forward to representing civil society organizations engaged in the InsuResilience Partnership in support of this objective.

Beth deHamel

Chief Financial Officer, Mercy Corps Vitumbiko Chinoko

Advocacy and Partnerships Coordinator, CARE South Africa



Our Ambition

2018 was again a year of extreme weather events: Typhoon Mangkhut in South East Asia, Tropical Cyclone Josie in Fiji, the tsunami that followed the devastating earthquake in Sulawesi, Indonesia, and the recent floods that displaced thousands in Nigeria are just a few examples of natural disasters that impacted countries and people. These events demonstrate that there is a need for mechanisms to alleviate the effect they exert on countries and their populations.

The frequency of extreme events will continue to increase as a result of climate change, and low-income countries with a large proportion of poor and vulnerable communities will be disproportionately impacted by their effects. These events represent a threat to global economic stability by undermining the growth of emerging markets and endangering the livelihoods of more than one billion poor and vulnerable people.

At the same time, 2018 was also a year of political initiatives with the goal of helping countries to cope with these disasters. Canada announced the investment of USD 100 million to support the expansion of coverage for climate risk insurance in climate-vulnerable countries at the G7 Summit in Charlevoix. The meeting of the V20 Finance Ministers in Bali highlighted its ambitious efforts to address climate change as an economic and humanitarian risk. The delegates underlined the importance of the InsuResilience Global Partnership as a concrete collaborative initiative between V20 and G20. The World Bank Group, Germany, and the UK launched the USD 145 million Global Risk Financing Facility (GRiF) that will help countries to manage the impacts of climate and disaster shocks. And the latest Special Report on Global Warming of 1.5 °C by the Intergovernmental Panel on Climate Change (IPCC) confirms that even if global warming were limited to 1.5 °C, the world would still experience substantially greater risks than we are currently prepared to cope with and the report put the associated risks in the media spotlight.

Just one year after its inception, the InsuResilience Global Partnership for Climate and Disaster Risk Finance and Insurance ("The Partnership") has brought together more than 60 members from G20 and V20 nations, civil society, international organizations, the private sector, and academia. The Partnership aims to strengthen the resilience of developing countries and to protect the lives and livelihoods of poor and vulnerable people against the impacts of disasters. The Partnership's strategy encompasses a three-pronged approach. Firstly, it aims to amplify the impact of ongoing initiatives. Secondly, it helps to develop new climate and disaster risk finance and insurance solutions. Thirdly, it aims to ensure that these solutions are well integrated within a broader dialogue on disaster risk management, resilience building and humanitarian relief efforts.

Our four country examples in this report come from different geographical regions and are subject to different types of perils. They will present the reader with a variety of solutions at the individual and governmental level.

The increased demand for relief after natural disasters shows that climate and disaster risk finance and insurance solutions are a necessary tool for comprehensive risk-management approaches. 25 programs are supported in 78 countries by the commitments made in the context of the Partnership. About half of the programs are operational and are forecast to reach half of the target beneficiaries by 2020 — a promising perspective. Some of this year's results are already exerting a significant impact. For example, CCRIF, ARC, and PCRAFI represent three regional risk pools in the Caribbean and Central America, Africa, and the Pacific. Over the past year, they provided substantial payouts after some of their member countries were hit by natural disasters.

The Partnership also seeks to develop an open and inclusive global multi-stakeholder community of countries, experts, and practitioners working on achieving financial protection at the political, operational, and strategic level. This community constitutes the Partnership Forum and exchanges experience, generates knowledge, promotes good practice, and raises awareness of risk finance and insurance. Some of these tools are described in the section "What else does the Partnership offer?" at page 44. This section also features Risk Talk, which

is our interactive platform developed in collaboration with UNFCCC and the Fiji Clearing House for Risk Transfer. Only half a year after ist launch it already recorded 3500 activities with 350 registered people and hosts a lively conversation on risk finance and insurance topics. Furthermore, in Partnership with the UN Climate Resilience Initiative A2R, the Partnership developed a contest that supports the development and scaling up of two new microinsurance concepts.



All of these components align for the Partnership to ultimately work towards strengthening the following results:

- Number of people protected and total risk covered by risk finance and insurance arrangements (building on the InsuResilience goal of facilitating access to climate risk insurance for an additional 400 million poor and vulnerable people by 2020).
- Number of countries with comprehensive disaster risk finance strategies in place.
- Number of countries adopting risk finance and insurance solutions integrated within prevention, preparedness, response and recovery plans that are anchored in a country's systems.

- Increased cost-effectiveness/value for money of risk finance and insurance arrangements.
- **Development/human impact** of these risk finance and insurance arrangements through increased resilience to disasters (reduced impact, faster recovery).
- ► Increase in evidence relating to the most effective and most cost-efficient CDRFI solutions.



The Resilience Challenge: Importance of Increasing the Depth of Insurance Markets

The impact of climate change is an issue that we are all too aware of. We have witnessed an unparalleled increase in economic losses in recent years from more intense droughts, heat waves, hurricanes, floods, and other hazards. The number of registered weather-related loss events due to natural hazards has tripled since the 1980s and inflation-adjusted insurance losses from these insured events have increased from an annual average of around USD 10 billion in the 1980's to around USD 55 billion over the past decade¹.

The cumulative losses, however, are not limited to financial and economic aspects. There are also very real human impacts which we should all be concerned about and for which we need to drive forward our action urgently if we are to reach the goals and aspirations of the UN 2030 Agenda for sustainable development. For instance, between August and September 2017, heavy rainfall events flooded South Asia, killing over 1,200 people and displacing at least 2.5 million in Bangladesh, India, and Nepal². During the same period, three devastating hurricanes battered the Caribbean and the United States, killing thousands of people, displacing over 2 million and costing hundreds of billions of dollars in economic losses³. These are just a few examples that demonstrate the scale of the losses being experienced.

In this context, the role and importance of risk reduction must be emphasized, and where possible, the underlying risks and associated drivers must be proactively reduced. Insurance and risk-transfer instruments become most effective and efficient when used to address residual risks that cannot be completely eliminated. More intensive risk-reduction efforts alongside risk finance strategies that also focus on expanding insurance markets in emerging economies are urgently needed. Indeed, there is growing evidence that countries with greater penetration of insurance coverage experience faster economic recoveries from disasters and rebuild with greater resilience to future disasters. A 1% increase in insurance penetration reduces the disaster recovery burden on taxpayers by 22 %4.

This is significant since, despite positive global economic growth, the global underinsurance gap remains at an unacceptably high level of USD 162.5 billion. Furthermore, this only presents a reduction in the insurance gap of only just over 3 % over the last six years (USD 168 billion in 2012)⁵. This corresponds with a situation in which the insurance penetration rate remains less than 1% in some of the most populous nations in the world, including Bangladesh, India, Vietnam, the Philippines, Indonesia, Egypt, and Nigeria, all of which are among the countries most exposed to risks associated with climate change.

The issue of climate risk finance and insurance solutions took a prominent role on the agenda of the G7 Elmau summit in 2015 and the G20 summit in Hamburg in 2017. Support was expressed for the creation of a Global Partnership for Climate and Disaster Risk Finance and Insurance Solutions with the central objective of increasing the resilience of the poorest and most vulnerable people.

This led to the birth of the InsuResilience Global Partnership. Its central mandate is to stimulate the creation of effective climate-risk insurance solutions and markets, and the smart use of insurance-related schemes for people and assets at risk in developing countries. The partnership's specific target build on the G7 Initiative of insuring 400 million people by 2020 through direct or indirect insurance is laudable and presents a key target we must all support.

The Insurance Development Forum (IDF) is very much aligned with the goals, aspirations and targets of the InsuResilience Global Partnership. It has sought to apply the strength of its public and private-sector members to this task through five critical priority areas which we deem essential for increasing the depth of insurance markets.

- ¹ Carney, M. (2018). 'A Transition in Thinking and Action', speech given at the International Climate Risk Conference for Supervisors, April 2018, available at: http://www.bankofengland.co.uk/speech/2018/mark-carney-speech-atinternational-climate-risk-conference-for-supervisors.
- Global Displacement Report (2017) http://www.internal-displacement.org/ global-report/grid2017/
- ³ UNOCHA Hurricane Season Report (2017) https://www.unocha.org/hurricane-season-2017
- 4 Lloyds (2018) A World at Risk: Closing the Insurance Gap https://www.lloyds.com.news-and-risk-insight/risk-reports/library/understanding-risk/a-world-at-risk

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These priority areas are focused not only on increasing global insurance coverage and penetration rates, but are also fundamentally about addressing some of the deeper structural issues that must be overcome in order to facilitate and accelerate the growth and contribution of the sector to development and building resilience. These include:

- Prisk Modeling to improve global understanding and quantification of the risk of natural hazards turning to disasters through use, development, and sharing of the reinsurance and insurance sector's catastrophe risk modeling capability. One of the biggest challenges to increasing the depth of markets, particularly in emerging economies, is the need to cultivate risk understanding and increase access to relevant models and datasets in order to engender greater trust and improvements in these tools to match the realities on the ground. As emerging markets are largely underinsured and modeling data is often scarce, the IDF is aiming to make risk models available as a public good. Such improvements are essential to driving forward appropriate innovative solutions, which can also extend beyond core insurance products.
- Development of **Sovereign and Humanitarian Solutions** at the "macro" level with a focus on the needs of sovereigns, sub-sovereigns, international institutions, and humanitarian agencies. The goal will be to foster information flow and coordination of interactions between industry, civil society, multi-laterals, and relevant government entities on developing solutions. This will involve active product and transaction development and capacity building that will be supported by the dissemination of accessible models to help governments understand the economics of insurance in a more comprehensive way.
- Driving forward and enhancing coordination and collaboration on Microinsurance projects to maximize impact and efficiency both in technical assistance and funding of resilience-building programs which are operating in local communities vulnerable to climate change. This will involve bringing together local knowledge and networks, and the possibilities of Fintech. Microinsurance is particularly critical because of the focus on vulnerable populations and the role it can play as a catalyst for multi-aspect financial inclusion.

- Increasing the depth of insurance markets necessitates the development of accessible insurance Law, Regulation and Public Policy Frameworks that enable and enhance sustainable development, and economic and social resilience to large-scale disasters. A stepping stone to the engagement of governments and civil society relates to cataloguing regulatory and policy issues that impact the use of risk-management tools in vulnerable nations and engaging with supervisors and governments to create a regulatory framework in insurance and beyond. Local governments will then be able to develop their legal and regulatory platforms and create a stable, fair and transparent environment for cross-border flows of insurance capital and payments.
- Exploring how insurers can work with development banks and other organizations to support the requirements for investment in resilient and sustainable infrastructure in emerging economies and developing countries, and help to create new markets and robust risk-management solutions.

Powerful trends point to new growth opportunities for insurance over the longer term in emerging economies. These can result in significant insurance penetration across all types of coverage and also influence the available means of managing the risks posed by climate change, for example through:

- A growing urban middle class in the fast-rising megacities across Africa and Asia which are quickly reaching a critical mass;
- Rapid technological innovations that increase access to new consumers, including through tablet devices and cell phones that are quickly becoming ubiquitous features across the emerging-market landscape;
- New insurance products that open up opportunities to markets that were once too burdensome to cover, i. e. development in weather index products;
- The increasing awareness and appetite within the public sector for risk finance solutions and an understanding of the critical role of insurance and a desire to deepen risk markets.

Unlocking this potential is a social and economic necessity. It will, however, require considerable collaboration and long-term commitment between public and private-sector players and development partners to (i) achieve greater scale through aggregators and the leveraging of technology, and (ii) increase product choice and value. In addition, those who cannot afford to pre-finance disaster costs should receive financial support as a temporary measure to establish insurance schemes in order to stimulate market development in the long run.

The recent launch of the Global Risk Financing Facility (GRiF) by the World Bank Group, in partnership with the governments of Germany and the United Kingdom is a positive step aimed at helping vulnerable countries manage the financial impact of climate change and shocks created by natural hazards. Over the next five years, the GRiF will provide financing to set up mechanisms such as national disaster insurance programs that can help channel money to people affected by disasters when they need it.

The IDF is well positioned to support the GRiF, particularly in scaling up existing risk-pooling mechanisms and piloting new ones, testing insurance premium financing for the poorest countries, and deploying new types of contingent financing to complement insurance, including contingent investment loans.

Moreover, increasing investments in areas of natural capital and insurance, and microinsurance (core value elements of the United Nations Development Programme and the UN system) often building on existing targeted initiatives, will become particularly important as donors and national governments look for new avenues to meet the ambitious G7 target of 400 million people to benefit from climate-risk insurance by 2020.

The insurance industry recognizes the crucial role it must play in this endeavor given the urgent need to tackle the impacts of climate change and the need to reduce CO_2 emissions. Insurance can be a key driver of economic development, particularly in regions and countries that are increasingly affected by climate change. Ultimately, insurance is a key lever to increase society's resilience, allowing people, communities and countries to make choices they would otherwise not have made. They can make these choices in the knowledge that lives, livelihoods, and families are covered against risk. Since the insurance industry offers longer term products, insurance also assists in the pricing of emerging risks, including those related to climate change.

Partnerships such as the InsuResilience initiative in collaboration with the IDF, will be essential to ensure that efforts are focused, efficient, aligned, and structured so as to unlock the full potential of insurance in helping to address the resilience challenge – in particular for the benefit of the poor and most vulnerable.

Denis Duverne

Chairman AXA and Chair of IDF Steering Committee

Joaquim Levy

Former Managing Director and Chief Financial Officer, World Bank Group/Co-Chair IDF Steering Committee

Achim Steiner

Administrator, United Nations Development Programme (UNDP)/ Co-Chair IDF Steering Committee

In the Spotlight: InsuResilience and A2R Contest for Innovative Proposals



Linking Insurance and Social Protection

In 2018, the UN Climate Resilience Initiative A2R and the InsuResilience Global Partnership launched the 'Absorbing Climate Impacts' contest in collaboration with the MIT Climate CoLab. The contest sought new innovative ideas and solutions that link climate-risk insurance with other forms of social protection to enhance the ability of vulnerable communities to absorb climate-change impacts more effectively.

Two winners were selected from a total of 72 submitted proposals. One of the winners was picked by a jury of seven international experts and one winner was chosen by the general public. The proposals were assessed according to feasibility, impact, innovation, and quality of presentation.

The winner of the Judges' Choice Vote was a proposal submitted by ClimateRe. This is a Swiss consultancy specialized in the development of innovative risk-management approaches in vulnerable communities. Its proposal involves enhancing climate resilience of rice smallholder farmers in Nepal by linking crop insurance to value-chain development and climate-change adaptation. The winner will receive seed funding for implementation of the proposal alongside mentoring, training, and technical assistance.

The winner of the Popular Choice Vote was a proposal submitted by the Mahila Housing Sewa Trust, an India-based association that aims to empower women in poor communities of India to upgrade their habitats. Their project seeks to tap women's habit of saving to manage climate-induced risks through an innovate fund combined with microinsurance.

The Governance Structure of the Partnership

The Partnership implements and expands climate risk finance and insurance solutions through its principal bodies: the High-Level Consultative Group, the Program Alliance, and the Partnership Forum.

HIGH-LEVEL CONSULTATIVE GROUP

The High-Level Consultative Group (HLCG) is the governing body of the Partnership. It provides strategic guidance for the Partnership, ensures effective coordination and sharing of information, and promotes alignment of the Partnership Forum and the Program Alliance. The HLCG is made up of representatives from all the member groups — countries, multilateral organizations, the private sector, civil society, and academia. Members of the HLCG are the ambassadors of the InsuResilience Global Partnership and its mission to protect the livelihoods of poor and vulnerable people against climate and disaster risk. The governing body reflects the diversity of the stakeholders involved in the Partnership. One V20 and one G20 member each co-chair the HLCG.

PROGRAM ALLIANCE

The Program Alliance is the collaborative delivery vehicle of the Partnership. It helps to coordinate the delivery of donor contributions to countries in line with the overarching goals of the Partnership. The focus is on driving forward the development, implementation, and financing of practical solutions.

PARTNERSHIP FORUM

The Partnership Forum is a platform for exchanging experience and knowledge. It is also intended to raise awareness about risk finance and insurance by engaging all stakeholders involved in the Partnership within an inclusive approach. The Partnership embraces different approaches to exchanging ideas and increasing communication between partners, such as the annual Partnership Forum, the interactive online platform RISK TALK, theme-based working groups, and further targeted activities such as regional workshops and webinars when requested by the members.

The annual Partnership Forum brings together all the members to exchange knowledge on lessons learned, best practices, and innovations. Throughout the year, regional workshops and events complement the Forum. The working groups aim to strengthen communication between the members on Partnership topics that require special attention. They develop guidelines, principles, and orientation for the Partnership and its High-Level Consultative Group.



Overview: What are Climate and Disaster Risk Finance Instruments?

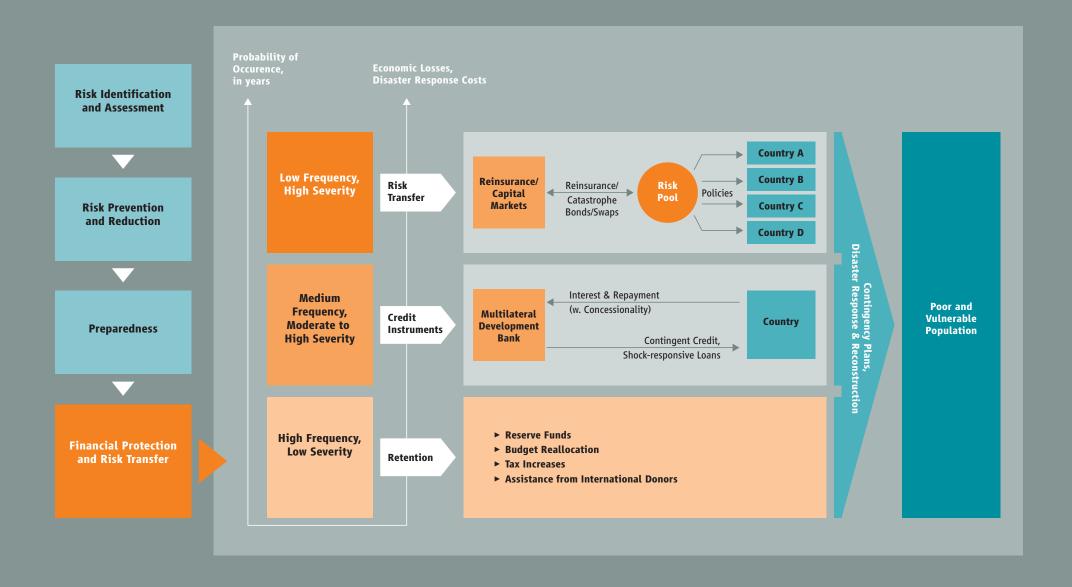
Risk finance and insurance instruments play an important role within a comprehensive climate and disaster risk-management framework. They provide support for an earlier and more reliable response to climate and disaster shocks, and give financial protection for people's livelihoods, businesses, infrastructure, and public finances in order to enable a more resilient economic development. These options empower countries as proactive risk managers and lend assistance in managing the residual risks by making use of pre-arranged risk transfer mechanisms. Risk reduction is critical to ensure that risk transfer is cost effective. The greatest impact is achieved through exploiting shared benefits and ensuring that risk transfer supports, incentivizes and facilitates risk-management and adaptation efforts.

Risk finance and insurance can be implemented at different sociopolitical levels. On a macro- and meso-level, sovereign and sub-sovereign governments are able to use these tools to strengthen a rapid response to climate and disaster shocks, e.g. through contingency plans, and to bolster recovery and reconstruction by covering losses to public infrastructure and assets. Developing effective climate and disaster risk finance solutions requires 'risk layering' to identify which mechanisms are best suited - ideally building on sound risk identification and assessment procedures, risk-reduction efforts, and better preparedness within comprehensive risk management (see figure below). Insurance generally provides the most cost-effective cover against severe events, while risk retention, e.g. through reserve funds, is usually well-suited to cover more frequent and less severe events. Risk finance solutions like contingent credit or shock-responsive loans, may be more cost-effective for addressing risk with medium frequency and moderate to high severity. Each solution needs to be well designed and tailored to meet the resilience needs of each country. As an integrated package, they should provide faster and more reliable responses to protect the poor and vulnerable population from the negative impacts of disasters. These measures will also help countries to engage in better reconstruction, and will support their economic development.

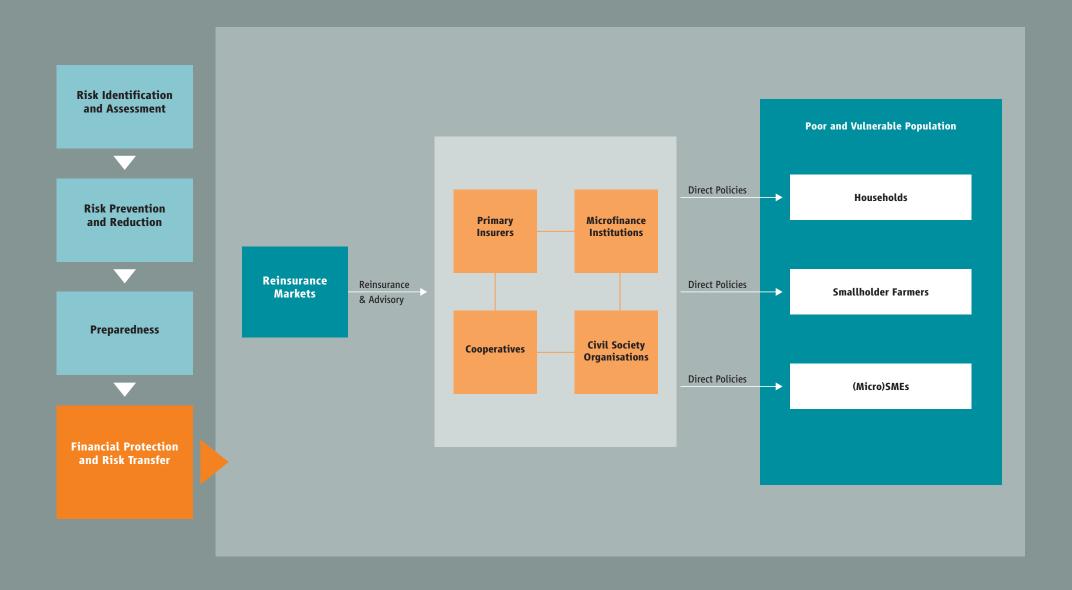
On a **micro-level**, risk finance and insurance provide direct financial protection for lives and livelihoods. While these tools should also be embedded in a comprehensive risk-management approach, they can be applied to different beneficiaries, either to cover property losses for households, climate-related agricultural losses for smallholder farmers, or losses suffered by small and mid-sized enterprises due to damage sustained by assets and business interruption caused by disasters. Different players can be involved, often in partnerships to bundle expertise, risk capital, or distribution channels, and to ensure the needs of the poorest and most vulnerable are optimally reflected in the design of the solution.

The combination of macro-, meso- and micro-level climate and disaster risk finance and insurance plays a vital role in strengthening the resilience of developing countries and protecting the lives and livelihoods of poor and vulnerable people against the impacts of disasters. Implementing programs can support these efforts by facilitating the necessary tools to assess the underlying risks, offering technical and financial assistance to implement appropriate sustainable mechanisms, and engaging with the insurance sector to secure the necessary risk capital and develop domestic insurance markets. This is why the InsuResilience Global Partnership is building on a variety of regional and national risk finance and insurance programs. The Program Alliance in particular, is a platform of operational programs that helps to coordinate donor contributions in line with the overarching goals of the Partnership.

Macro-level Risk Finance and Insurance



Micro-level Risk Finance and Insurance



Driving Implementation

The commitments under the InsuResilience Global Partnership currently support and enhance 25 programs that will be active in 78 countries by 2020. The following pages will showcase some of the initiatives in different regions and on different levels that are part of the Partnership and contribute toward its objectives.

The Program Alliance

The Program Alliance is an association of programs that collaborate in helping to achieve the vision of the Partnership. It offers a universe of solutions to address the different resilience needs of vulnerable countries, taking into account different country risk profiles and corresponding gaps in financial protection mechanisms. The Alliance is the delivery vehicle of the Partnership, driving forward implementation of tailored climate and disaster risk finance solutions.

The Program Alliance pursues a collaborative approach to make use of synergies, increase efficiencies, and ensure coherence across services. Countries will be able to request support for the development and implementation of state-and hazard-specific risk finance and insurance solutions. The partner programs will invest in research, data, risk modeling, and risk assessments, will deliver technical assistance, design innovative risk finance and insurance solutions, and will develop concessional insurance tools.

Together the programs and their collaborations deliver:

- a) Research, data, modeling, innovation, and learning;
- b) Technical assistance (TA) to developing countries;
- c) Solution design;
- d) Concessional insurance;
- e) Monitoring, reporting, and evaluation.

The InsuResilience Program Alliance enables countries to benefit from the activities of the following programs.

The Global Risk Financing Facility (GRiF):

During the Annual Meetings of the World Bank Group and the IMF in October 2018, the newly established Global Risk Financing Facility (GRiF) was launched with potential contributions of USD 145 million. The World Bank Group and the governments of the United Kingdom and Germany support vulnerable countries via the GRIF in managing the financial impacts of climate change and shocks induced by natural hazards. Further donors are invited to join the GRiF.

"Natural disasters push some 26 million people into poverty each year as people struggle with the economic fallout of earthquakes, hurricanes, floods, and other catastrophes," said World Bank CEO Kristalina Georgieva. "We can't stop all these terrible events, but we can help countries with insurance or other risk finance so people get faster help to rebuild."

The overall objective of the GRiF is to strengthen the financial resilience of vulnerable countries by enabling earlier and more reliable response and recovery relating to climate and disaster shocks. This will be extended over time to a wider range of crises. The objective can be achieved through piloting and/or scaling up pre-arranged risk finance instruments. The work will focus on helping poor and vulnerable people, and the economy, services, and infrastructure they depend on, to recover more quickly when a disaster strikes. The GRiF also aims to create incentives for disaster prevention, preparedness, response, and resilient reconstruction.

The GRiF will work with countries to scale up and strengthen existing risk finance initiatives. It will also provide a catalyst for pilot approaches not yet explored by other programs. This encompasses scaling up existing risk-pooling mechanisms and piloting new ones, testing insurance premium financing for the poorest countries, and trialing new types of contingent financing to complement insurance. It will also explore new financial structures, for example linking risk financing directly with scalable safety net systems, to disaster preparedness plans, or with financing for resilient infrastructure.



Centre for Global Disaster Protection (CGDP):

The Centre for Global Disaster Protection supports countries to take early, effective action to manage the risks of disasters and to stop climate shocks turning into crises. Working across the development humanitarian and financial sectors, the Centre offers analytics, innovative solutions, impartial advice and training. This helps countries put plans and financing in place to help protect people's futures. The Centre is funded by UK aid, and is based in London. It collaborates closely with the World Bank by supporting its Disaster Protection Programme, and is an Alliance Partner of the InsuResilience Global Partnership. More information on the Centre can be found in the interview on page 23.

The InsuResilience Solutions Fund

The InsuResilience Solutions Fund (ISF) is implemented by the German Development Bank (KfW) and funded by the Federal Ministry of Economic Cooperation and Development (BMZ) to catalyze joint initiatives between national public entities and the private insurance sector. The ISF is a specialized fund providing advice and partial grant financing for the development of innovative climate-risk insurance products. The ISF approach allows crowding in the insurance industries' expertise and capital, the commitment of partner countries seeking solutions and leveraging of expertise in the private insurance industry contributions by Civil Society Organizations to make solutions work for the poorest and most vulnerable. The collaborative approach of the ISF in the early stage of project development ensures demand for the innovative climate-risk insurance products and strengthens their sustainability. The climate-risk insurance products supported by the ISF will help to close existing insurance gaps and contribute to the goal of the InsuResilience Global Partnership.



Interview

with Dr. Daniel Clarke, interim Head of Analytics at the Centre for Global Disaster Protection



Dr. Clarke, what is the Centre for Global Disaster

The Centre for Global Disaster Protection works with developing countries to help them build their resilience by managing the risks of disasters and by delivering earlier, more costeffective support for people when disasters occur. Working across the development, humanitarian and financial sectors, we offer analytics, innovative solutions, impartial advice, and training. As a result, we support countries to put plans and financing in place that help to protect people's futures.

The Centre is funded by UK aid from the UK Government. The World Bank's Disaster Protection Program (DPP) is a key implementing partner, especially in the delivery of technical assistance to countries. We will be co-located with the DPP's London Hub in a new office space in the City of London from next month¹.

The Centre is currently in an inception phase but we are fast ramping up our activities and resources; we'll have new staff in early 2019, and have various exciting activities in the pipeline, both working with country partners and delivering on innovation, learning, and capacity building activities.

You can find more information about our work, including the nine principles that underpin our work, on our interim webpage here: http://www.disasterprotection.org. A full website will be launched in January 2019.

What is the Centre's relation to the Program Alliance?
Why is the Alliance important to the Centre?

The Centre is one of three implementing programs within the InsuResilience Program Alliance. The others are the Global Risk Financing Facility (GRiF) and the InsuResilience Solutions Fund. The idea is that these programs, while distinct in terms of specific objectives, approach, and scope of work, have a shared agenda of driving forward progress in risk financing for poor and vulnerable people. Therefore, they have much to gain from collaboration and sharing lessons. More broadly, collaboration can help to enhance the impact of these programs in terms of reducing the impacts of disasters upon poor and vulnerable people.

Risk financing is a fast-evolving area of work. Increasingly, institutions in different sectors and representing different constituencies are recognizing the potential relevance of risk financing to their own agendas and objectives. This includes humanitarian organizations, insurance and financial institutions, NGOs, and multilateral institutions. It's a very exciting space, and one in which we're all required to be nimble and adaptive. Platforms like the Alliance which support information-sharing, joint learning and collective adaptation are therefore really welcome.

Could you give us an example of an activity that the Program Alliance has facilitated this year which has been beneficial to members including the Centre?

The regular Program Alliance meetings have provided extremely valuable opportunities for us to reflect on what we've been doing, and openly discuss options for future focus. This kind of face-to-face interaction is really useful given the fast-changing landscape and rapid pace of innovation in this space.

¹December 2018

Developing Insurance Markets:The InsuResilience Investment Fund

The InsuResilience Investment Fund (IIF) has been set up as a Public-Private Partnership (PPP) by the German Development Bank (KfW) on behalf of the Federal Ministry of Economic Cooperation and Development (BMZ). This forms part of the G7 InsuResilience Initiative and G20 InsuResilience Global Partnership, which aims to increase the resilience of poor and vulnerable people to extreme weather events and natural disasters. The Fund aims to protect more than 100 million of the most vulnerable people living in developing countries against the impacts of climate change by giving them the opportunity to take advantage of commercial insurance offerings. The goal is to improve the resilience of poor and vulnerable households, as well as micro-, small and medium-sized enterprises.

The IIF connects up the value chain and provides Technical Assistance and funding for the development of markets in climate insurance. The Fund finances qualified corporates along the value chain of insurance (e.g. insurers, brokers, aggregators) and has its principal operations in ODA recipient countries.

An example of the holistic investment approach adopted by the IIF is provided by support for a comprehensive product called ARDIS that has been designed for Financial Disaster Risk Management (FDRM) on behalf of VisionFund International (VFI). The Fund enables VFI to provide its microfinance clients with rapid and efficient assistance in the event of a disaster. The innovative FDRM approach is a combination of financing and insurance components, and it allows for cost-efficient protection of clients in developing countries. ARDIS helps VFI's microfinance clients to cushion the worst effects of weather catastrophes, maintain or restart economic activities, and complement relief aid required for survival needs in disaster situations.

The IIF supports this three-staged FDRM solution through the following measures: (1) greenfield investment in the structurer of the scheme through a high-tech start-up called Global Parametrics, (2) commitment of contingent credit lines to VFI's affiliates currently in six countries, and (3) linkage to another InsuResilience program, the Natural Disaster Fund. ARDIS will effectively meet one per cent of the G7 goal to increase access for up to 400 million uninsured people in developing countries to provide insurance products that protect against climate risk.



InsuResilience World Map

Global Implementation Programs within the Program Alliance:

Global Risk Financing Facility (GRiF)

The GRiF will scale up and strengthen existing risk financing initiatives as well as act as catalyst to pilot new approaches. The aim is to strengthen financial resilience of vulnerable countries by enabling earlier and more reliable response and recovery to climate and disaster shocks.

Centre for Global Disaster Protection (CGDP)

The London based Centre for Global Disaster Protection strengthens pre-disaster planning, embeds data-driven early action, and uses risk financing tools like insurance and contingent credit to finance more cost-effective, rapid and reliable response to emergencies.

InsuResilience Solutions Fund

The ISF supports the development of innovative and sustainable climate risk insurance products in developing and emerging countries to improve the resilience against extreme weather events. The ISF is based in Frankfurt am Main.

Selected solutions and country cases

Countries covered by solutions contributing to the Partnership's vision.





Pacific Catastrophe Risk Insurance Facility (PCRAFI) Regional risk pool providing insurance against tropical cyclones, earthquakes and tsunamis in Pacific Island states. Republic of the Marshall Islands Samoa Cook Islands Vanuatu Tonga Fiji Papua New Guinea

Global Implementation Programs:

Global Index Insurance Facility (GIIF)

Multi-donor trust fund offering advice on insurance solutions to insurance companies, policyholders and partner countries.

InsuResilience Investment Fund (IIF)

Fund that promotes the development of climate risk insurance products.

Remote Sensing-based Information and Insurance for Crops in Emerging Economies (RIICE)

The rice crop monitoring initiative 'RIICE' helps governments and farmers to make rice harvest forecasting more reliable.

Wider resilience:

Asia-Pacific Climate Finance Fund (ACliFF)

Climate finance facility supporting the implementation of NDCs and of climate risk insurance. ACliFF is based in Manila, Philippines.

Climate Risk and Early Warning Systems (CREWS)

The Climate Risk and Early Warning Systems (CREWS) initiative finances weather stations, radar facilities, and early warning systems in poor and vulnerable countries.

This map showcases selected examples of programs that contribute to the Partnership's vision.

The following 25 programs are currently active or being set up and are contributing towards the goals of the Partnership:

African Risk Capacity (ARC)

ARC Replica Global Index Insurance Facility (GIIF) Pacific Catastrophe Risk Assessment and Financing Initiative (PCRAFI) Agricultural Insurance in Armenia InsuResilience Investment Fund (IIF) develoPPP.de project "Alliance on Climate Risk Transfer Solutions" with Swiss Re (Africa, South-East Asia, China) Kenya Hunger Safety Net Programme Remote Sensing-based Information and Insurance for Crops in Emerging Economies (RIICE) Adaptation of Agricultural Value Chains to Climate Change (PrAda) InsuResilience Solutions Fund (ISF) Asia Pacific Climate Finance Fund (ACliFF) Global Risk Insurance Facility (GRiF) (incl. SEADRIF) Natural Disasters Fund Rural Resilience Initiative (R4) Ethiopia Centre for Global Disaster Protection (CGDP) Climate Risk and Early Warning Systems (CREWS) develoPPP.de project "Microinsurance Disaster Risk Insurance for MSMEs" with Charter Ping An (Philippines) Caribbean Catastrophe Risk Insurance Facility (CCRIF)

Advancing Climate Risk Insurance (ACRI+)

Strengthening Resilience of Vulnerable Rural Population in the East Region of Paraguay (FortaleceRES)

Insurance Market Development (implemented by GIZ in Zambia)

Insurance Market Development (implemented by GIZ in India)

Promotion of a Diversified and Sustainable Livestock Production (ProCadenas)

eveloPPP.de project "Developing Risk Management Approaches for Climate and Health Risks" with Allianz (Africa, South Asia)



PROFILE

The Partnership on the Ground: Senegal

Senegal has long been one of the most politically stable countries in West Africa and its economy has grown significantly over recent years, with an annual GDP per capita growth of $2.0\,\%$ in the period of 2010-2015. By contrast, $34\,\%$ of the population were still living below the national poverty line in 2013. The population itself has more than doubled since 1990 to a total of 16.3 million. Large numbers of people are moving to the urban areas of Senegal, and infrastructure and food supply are consequently subject to increasing stress. Two thirds of the country are located within the Sahel zone where some of the most extreme rainfall variability worldwide results in periodic droughts and seasonal floods. Rising mean temperatures are likely to exacerbate the frequency and intensity of these extreme weather events. This may severely affect Senegal's journey toward sustainable economic growth since the agricultural sector, which hosts around 75 % of the labor force and contributes 20 % of the country's GDP, is especially vulnerable to climate-change impacts and the majority of farmers are only living at the level of subsistence agriculture. Since most of it is rainfed, extreme weather events can exert devastating consequences on the livelihoods of large sections of the population and economic development alike.

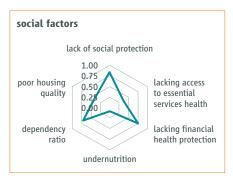
According to the 2018 analysis of the InsuRisk Assessment Tool, Senegal is characterized by very low residual risk and medium readiness for insurance solutions¹. The country has a very low hazard exposure, but high overall vulnerability.

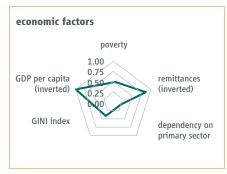
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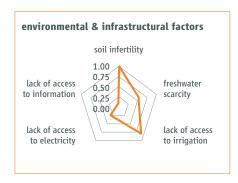


POPULATION (2018): 16,294,270 (+2.96%)² // WORLD BANK INCOME CLASSIFICIATION: LOWER MIDDLE INCOME³ // GDP PER CAPITA, PPP (CURRENT INTERNATIONAL \$) (2017): \$2,712 (+3.8%)⁴

VULNERABILITY







¹For a detailed description, please refer to the InsuRisk 2.0 methodology on page 44 // ²UN Statistics // ³World Bank 2017A // ⁴World Bank 2017E

Very low GDP per capita, poverty, a high percentage of the urban population living in informal urban dwellings, lack of access to electricity, lack of social and financial health protection and associated reduced access to essential health services, as well as low fertility of soils and scarcity of fresh water are key drivers of vulnerability. If hazards become more frequent and severe in the future, risk could increase due to the country's high overall vulnerability.

The Government has decided to increase measures to enhance its resilience. It has for example been part of the African Risk Capacity (ARC) since its inception and has implemented more measures to increase the country's resilience in this key sector.

SOLUTIONS

How Implementation Programs contribute to the Partnership's vision:

ARC Replica

In 2018, Senegal became one of the first countries to pilot the newly introduced African Risk Capacity (ARC) Replica instrument for the agricultural season from 2018 to 2019. ARC Replica allows humanitarian players to match the drought insurance coverage of countries that have already bought policies from ARC. The Start Network is a humanitarian aid network that signed the new insurance policy against drought events for Senegal. The network is also collaborating with various implementing partners on the ground. The Start Network and the Senegalese Government will receive separate payouts as soon as rainfall levels fall below pre-agreed threshold values. This allows all the parties involved to immediately launch coordinated emergency aid. That helps people to protect their livestock and other assets, before the full effects of a drought are able to unfold. Emily Montier, Manager of Start Network Labs, calls the insurance "a potential game-changer for the sector".

R4 Rural Resilience Initiative

Senegal also joined the Rural Resilience Initiative (R4) introduced by the World Food Program and Oxfam America in 2012. The R4 Initiative aims to increase the food and income security of vulnerable rural families by managing climate-related risks. This involves taking an integrated approach to risk management using four components: 1. Risk reduction, 2. Risk transfer with Weather Index Insurance, 3. Risk taking (livelihood diversification and microcredit), and 4. Risk reserves.

Since 2011, R4 has distributed total payouts amounting to USD 2.4 million to participants in Ethiopia, Kenya, Malawi, Senegal, and Zambia following weather-related losses. At the beginning of 2018, 57,000 farming households involving some 300,000 people, had been reached in five countries. In Senegal, the R4 product has paid out around USD 418,000 to some 10,000 farmers since the policy was launched. In 2018, 9,000 farming households (about 45,000 people) were insured.



Natural disasters, including droughts, are increasingly impacting on vulnerable populations and their live-lihoods. African Governments bear a significant responsibility, both explicit and implicit, in the management of these events, which are often associated with heavy additional budgetary costs. This is the whole point of creating the Pan-African Disaster Risk Management Mutual (African Risk Capacity – ARC). It is a specialized institution with 34 member countries from the African Union that have decided to set up innovative, efficient and reliable financing methods by using parametric climate insurance."

AMADOU BA, SENEGALESE MINISTER OF ECONOMY, FINANCE AND PLANNING





We are delighted to have signed the insurance policy. This is a potential game-changer for the sector. Slow aid funding is one of the biggest structural problems in disaster response efforts, and this costs lives. Study after study shows that early action means more lives saved. That's exactly what this tool aims to do. We will be working closely with the Government of Senegal and others to ensure swift relief is available to vulnerable people threatened by drought when it occurs."

EMILY MONTIER, START NETWORK LABS MANAGER

GIIF Drought Index Insurance for Groundnut Farmers

The Government commissioned a feasibility study in 2009. GIIF assisted the Compagnie Nationale d'Assurance Agricole du Sénégal (CNAAS) with risk transfer and capacity. The pilot raised awareness with groundnut seed producers in Paoskoto and Kahi. Maize, groundnut and their distribution were surveyed, and GIIF funded rain gauges. More than 60,000 policies have benefited nearly 300,000 beneficiaries.

A review indicated that close coordination and development links are key to scaling up. Credit and advisory services form channels for index insurance and promote Weather Index Insurance (WII). Products with frequent payouts also boosted WII, 13% of groundnut seed farmers had been reached with high satisfaction levels, and farmers' cooperatives were able to strike better credit deals.

The Government provides a 50 % direct subsidy and tax exemption on all agricultural policies from CNAAS making insurance affordable for smallholders. CNAAS is now scaling up to leverage Government support. Index insurance policies from CNAAS are likely to top 300,000 by 2022 (1.5 million people). GIIF and CNAAS will focus on product design and evaluation, efficient distribution, new technologies, awareness, and communication.

In combination, these programs are helping Senegal move toward an integrated risk-management approach and make the country more resilient to climate change impacts.



PROFILE

The Partnership on the Ground: Fiji

Fiji is an archipelago located in the South Pacific Ocean comprising more than 330 islands. It has an all-year-round warm tropical climate. However, the hot weather, humidity, and location make Fiji prone to natural disasters, including cyclones, floods, droughts, earthquakes, and tsunamis. Typically, the country experiences an average of one cyclone every year.

Over 90% of Fiji's population lives close to the coast and the inhabitants of these islands are therefore particularly vulnerable to the impacts of climate change — both slow-onset such as rising sea levels, and rapid-onset events such as floods and cyclones.

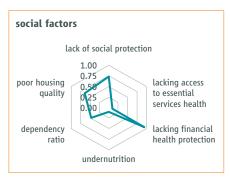
The consequences of a single extreme weather event, such as those experienced as a result of Tropical Cyclone (TC) Winston in 2016, can have devastating effects on the livelihoods of people. TC Winston was the strongest cyclone ever measured in the Southern Hemisphere. It damaged more than 30,000 homes across the islands, killed 44 people, and caused an estimated USD 1 billion in damage.

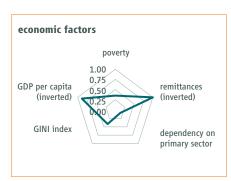
Another area of vulnerability in Fiji is its agricultural sector. This is a key income area since approximately 37 % of Fijian households derive their primary income from agriculture, but at the same time, they are under significant threat from climate change. This sector is vital for people living below or

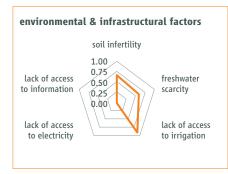
POPULATION (2018): 912,241 (+0.74%)¹ // WORLDBANK INCOME CLASSIFICIATION: UPPER MIDDLE INCOME² // GDP PER CAPITA, PPP (CURRENT INTERNATIONAL \$) (2017): \$9,554 (+3.0%)³



VULNERABILITY







¹For a detailed description, please refer to the InsuRisk 2.0 methodology on page 44 // ²UN Statistics // ³World Bank 2017A // ⁴World Bank 2017E

Ocontinued on page 34

close to the poverty line. Almost half of those living below the poverty line rely on agriculture for at least part of their income, compared to a quarter of those people above the poverty line.

According to the 2018 analysis of the InsuRisk Assessment Tool, Fiji is characterized by a high residual risk and a high level of readiness to take up insurance solutions¹. The country has a very high level of exposure to multiple hazards, notably floods, droughts, earthquakes, cyclones, and associated storm surges, and medium overall vulnerability. Low GDP

per capita, poverty, a high percentage of the urban population living in informal urban settlements, lack of social and financial health protection, and scarcity of fresh water are key drivers of vulnerability.

The Fijian Government therefore decided to focus intensively on climate-change and disaster-preparedness programs. Furthermore, Fiji took over the Presidency of the 23rd UN Climate Change Conference (COP23) as the first small island state to hold this position.

SOLUTIONS

How Implementation Programs contribute to the Partnership's vision:

Pacific Catastrophe Risk Insurance Company (PCRIC) to build better protection for home owners

Established in June 2016, the Pacific Catastrophe Risk Insurance Company (PCRIC) is a Pacific-owned insurance company that provides tropical cyclone, earthquake, and tsunami coverage to its members. PCRIC is the result of regional efforts to address climate and disaster risks across 14 Pacific Island Countries (PICs). It operates under the Pacific Catastrophe Risk Assessment and Financing Initiative (PCRAFI) led by the World Bank.

PCRIC currently offers sovereign parametric insurance policies that provide coverage based on a pre-selected trigger specified by the policyholder (i. e. the member government). These policies are designed to deliver rapid-response emergency funds if the defined event is triggered. In addition, the company provides a regional platform that countries can leverage to explore additional risk transfer and financing solutions. PCRIC is currently working with the support of the World

Bank to develop additional products, including drought and excess rainfall policies, as well as volcano policies, in an effort to provide more complete coverage for its members. PCRIC intends to support the development of domestic insurance policies in the region and is working to establish a dedicated private-sector window to facilitate access to international reinsurance markets for domestic insurers. This approach is being tested in Fiji where the PCRIC private-sector window will enable the development of new property insurance products in order to provide coverage for homes of lower build quality that can prove – using a mobile app – that they have made the required structural reinforcements such as roof strapping. The initiative stems from a request from the Fijian Government to address the current shortfalls within the domestic insurance sector and provide effective insurance coverage to low-income households.



The strength of this approach is that climate risk insurance is not simply confined to one or two players, but it is more like a grand coalition approach."

HON. AIYAZ SAYED-KHAIYUM, ATTORNEY GENERAL AND MINISTER FOR
FCONOMY AND MINISTER RESPONSIBLE FOR CLIMATE CHANGE

¹For a detailed description, please refer to the InsuRisk 2.0 methodology on page 44



The risk transfer role played by the insurance industry is key to the growth of our economy. It provides the necessary safeguard for the financial health of individuals, families, communities, businesses, financial institutions, and the economy as a whole. Climate risk insurance would therefore be a top priority for Fiji as we seek to mitigate our losses from climate-related shocks and build our resilience. Our aim is to ensure that we can at least provide as much protection as possible when faced with the kind of severe perils our country is exposed to."

ARIFF ALI, GOVERNOR OF THE RESERVE BANK OF FIJI



CARE International teams up with local organizations to strengthen humanitarian players on the ground

In Fiji, disasters and climate change affect people in a variety of ways depending on a large number of different factors including poverty, geography, and access to and control of resources. Resilience among people most at risk in Fiji requires concerted efforts to reduce or eliminate pre-existing conditions and inequalities that increase risks and multiply the negative impacts of disasters.

CARE is working in partnership with local NGOs in Fiji to build the capacity of humanitarian players, so they are better

equipped to assist communities in preparing for, responding to and recovering from disasters. This includes specific efforts to enhance gender equality and inclusive approaches so everyone can meaningfully contribute to achieving strengthened resilience.

There is a need for widespread and equal access to knowledge and climate information. People also need the opportunity to reflect on attitudes and behaviors that can inhibit the reduction of risk.



PROFILE

The Partnership on the Ground: Sri Lanka

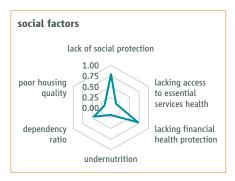
Sri Lanka is an island located in the Indian Ocean with a population of approximately 20.95 million. The climate is tropical and warm. Rainfall patterns are influenced by the monsoon season in the northeast from December to March and in the southwest from May to October. Natural hazards mainly occur in the form of floods and associated landslides caused by monsoon rain. Sri Lanka was one of the worst-hit countries when the Indian Ocean Tsunami struck in 2004. In May 2016, Cyclone Storm Roanu caused extensive flooding and landslides in 22 out of 25 districts. Over 90 people were killed, and damage and losses exceeded USD 570 million according to the preliminary post-disaster needs assessment. Climate change is expected to increase the frequency and impact of hydro-meteorological hazards. Sri Lanka developed and implemented several insurance schemes prior to the InsuResilience Global Partnership, e.g. the Agriculture and Agrarian Insurance Board.

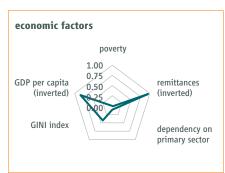
According to the 2018 analysis of the InsuRisk Assessment Tool, Sri Lanka is characterized by a medium residual risk and a high level of readiness to take up insurance solutions¹. The country has high exposure to multiple hazards, notably floods, droughts, and storm surges, and medium overall vulnerability. Low GDP per capita, lack of social and financial health protection, and scarcity of fresh water are key drivers of vulnerability.

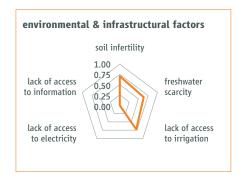


POPULATION (2018): 20,950,041 (+0.50 %)² // WORLD BANK INCOME CLASSIFICIATION: LOWER MIDDLE INCOME³ // GDP PER CAPITA, PPP (CURRENT INTERNATIONAL \$) (2017): \$12,811 (+2.0 %)⁴

VULNERABILITY







¹For a detailed description, please refer to the InsuRisk 2.0 methodology on page 44 // ²UN Statistics // ³World Bank 2017A // ⁴World Bank 2017E





The last five years have seen Sri Lanka's population and ecosystems suffer a high amount of losses and damage from extreme and climate disasters such as floods, droughts, and landslides. The risks of climate change impacts are spread across key economic sectors of the country. To address these risks effectively, efficiently, and sustainably, it is vital that priority is given to vulnerable communities."

VOSITHA WIJENAYAKE, SLYCAN TRUST

SOLUTIONS

How Implementation Programs contribute to the Partnership's vision:

The National Natural Disaster Insurance Scheme

In 2016, the Government of Sri Lanka established the National Natural Disaster Insurance Scheme (NNDIS) to protect its uninsured population against natural disasters. The public insurer, the National Insurance Trust Fund (NITF), manages the scheme. Since its inception, the NNDIS has faced major sustainability challenges. The Sri Lankan National Insurance Trust Fund (NITF) has developed a way forward to make the NNDIS more sustainable in collaboration with the Insurance Development Forum (IDF – a PPP led by the international insurance industry), and supported by the Sri Lankan Government and the German Development Bank (KfW). The project will work on the fields of 1) understanding the exposure and improving risk pricing, 2) enhancing the product features to better serve low-income households and micro- and small businesses, 3) suggesting improvements to the procurement process of brokerage and reinsurance capacity, and 4) enhancing the claims management process. The project is co-financed as a pilot by KfW's InsuResilience Solutions Fund (ISF), a challenge fund implemented on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ). The ISF supports the development of innovative and sustainable climate-risk insurance products in developing and emerging countries to improve resilience to extreme weather events.

Global Index Insurance Facility in Sri Lanka

In 2011, GIIF started working with SANASA Insurance Company (SICL) to stimulate the market for Weather Index Insurance through capacity building and awareness activities in institutions and with smallholder farmers. This was intended to design simple and affordable products for Weather Index Insurance to benefit paddy-field and tea farmers. SICL has also been developing its institutional capacity and agent

network, while raising awareness for the benefits of index-insurance products with meetings of farmers' societies, radio advertisements, exhibitions on agricultural products, and simple information leaflets. To date, the project has facilitated more than 64,000 policies with more than 300,000 beneficiaries. In 2016, the Ministry of Agriculture asked GIIF to work with the Agricultural and Agrarian Insurance Board. This project is using the key lessons learnt from the successful pilot with SANASA. The goal is to improve the effectiveness of the agricultural insurance schemes available and increase the efficiency of the insurance offerings. This also involves improving the availability of agro-climatic data in the country, facilitating coordination of efforts between government and donor partners, and providing assistance to market players with training and capacity, and product improvements. By the end of 2020, the project is expected to reach more than 500,000 farmers.

SLYCAN Trust - An actor in the field

SLYCAN Trust is a Civil Society Organization in Sri Lanka currently working on the identification of existing mechanisms in Sri Lanka and highlighting mechanisms that can be enhanced to address climate risks, and gaps and constraints in implementing activities directed toward addressing climate risks. The focus is specifically on the activities under the Paris Agreement, Sustainable Development Goals, and the Sendai Framework. The goal is to facilitate a well-coordinated, effective and efficiently implemented, participatory, inclusive, and pro-poor mechanism for addressing risk that is beneficial at the national level and sub-national level. A further objective is to make a contribution to international efforts aimed at addressing climate risks.

SLYCAN Trust aims to achieve this through a structured and well-coordinated risk-addressing mechanism that is multi-stakeholder driven and participatory.



PROFILE

The Partnership on the Ground: Paraguay

Paraguay is a landlocked country in the middle of South America, sharing its borders with Brazil, Bolivia, and Argentina. Paraguay's climate is subtropical to temperate, characterized by a rainy season in summer and a dry season in winter. These conditions expose the country to the harsh impacts of climate change with an increase in temperatures and decrease in precipitation.

According to the 2018 analysis of the InsuRisk Assessment Tool, Paraguay is characterized by a high residual risk and a high level of readiness to take up insurance solutions¹. The country has a significantly elevated level of exposure to multiple hazards, notably floods and droughts, and medium overall vulnerability. Low GDP per capita, poverty, income inequality, lack of social and financial health protection, low soil fertility, and scarcity of fresh water are key drivers of vulnerability.

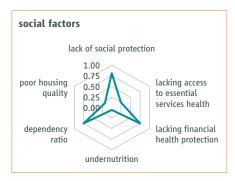
The frequency and number of extreme weather events has grown significantly over the past few years. Climate change particularly affects the agricultural sector, which is a key segment of the Paraguayan economy, representing 30 % of gross domestic product, 40 % of exports, and the source of employment for a large majority of the population.

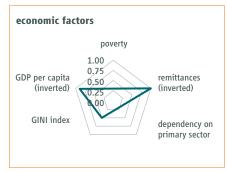
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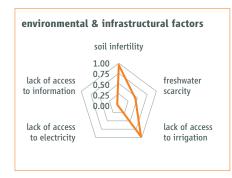


POPULATION (2018): 6,896,908 (+ 1.34 %)² // WORLDBANK INCOME CLASSIFICIATION: UPPER MIDDLE INCOME³ // GDP PER CAPITA, PPP (CURRENT INTERNATIONAL \$) (2017): \$9,690 (- 0.5 %)⁴

VULNERABILITY







¹For a detailed description, please refer to the InsuRisk 2.0 methodology on page 44 // ²UN Statistics // ³World Bank 2017A // ⁴World Bank 2017E

Given the importance of the agricultural sector, risk management is key to the economic prosperity and social wellbeing of Paraguay. Family farmers and their households, representing 90% of all farms, are the people most at risk of being trapped or falling into poverty due to external shocks and the lack of adequate protection mechanisms.

In 2018, Paraguay published its National Implementation Plan for the Sendai Framework 2018-2022 in order to develop risk-reduction instruments for disasters and increase Paraguay's resilience to climate change.

SOLUTIONS

How Implementation Programs contribute to the Partnership's vision:

Strengthening Resilience in Eastern Paraguay (FortaleceRES)

Since 2016, the GIZ project FortaleceRES has been strengthening the resilience of vulnerable rural populations living in eastern Paraguay. The project is working together with GIZ insurance experts to promote the concept and implementation of inclusive insurance solutions which encompass agricultural and disaster risk insurance. The main constraint for developing and implementing insurance solutions suitable for smallholder farmers is the low level of understanding of insurance as a financial tool. Two microinsurance solutions are therefore being promoted in collaboration with local partners:

- Life and disability insurance for 31,225 beneficiaries in 2018, implemented by the Ministry of Social Development (MDS) as part of the 'Tekopora' conditional money transfer program.
- Index-based weather insurance linked to the insurance model based on farmers' credits operated in conjunction with the main public financial Institution in Paraguay: 'Crédito Agrícola de Habilitacón' (CAH) whose target customers are small farmers.

In July 2017, GIZ and CAH signed an agreement focusing on two regions: Caaguazú and Caazapá.

Other local partners in Paraguay include the Ministry of Agriculture and Livestock, advising on the different types of agricultural insurance, and the National Insurance Supervision Authority, with whom a seminar on Agricultural Indexbased Insurance was organized.

Risk management for the promotion of non-traditional livestock value chains (PROCADENAS)

The third component of the project Promotion of a Diversified and Sustainable Livestock Production — PROCADENAS — was launched in April 2018. The project is co-financed by BMZ-EU and it is being implemented by GIZ in cooperation with the Paraguayan Ministry for Livestock (Viceministerio de Ganadería — VMG). The project aims to promote different value chains in the non-traditional livestock sector, including honey, goats, aquiculture, and other areas. The approach is focused on improving risk-management strategies, including insurance solutions for livestock producers. Other workstreams include the promotion of sustainable production practices, integration within national and international markets, and strengthening dialogue between the public and private sectors.

The current activities of the risk-management workflow include building a conceptual framework for integrated risk management in the non-traditional livestock sector.

A participatory approach has been adopted with the involvement of producers and key players from the Ministry for Livestock and other public institutions. The next step will include specific risk assessments aimed at identifying the risks along the different value chains. Initial results indicate that health risks such as diseases, climate risks, specifically drought and frost, and market risks, such as volatile prices and smuggling, are prevalent throughout almost all value chains. Other risks such as animal theft only affect certain value chains. On the basis of the planned in-depth analysis and risk prioritization, appropriate risk-management tools will be identified for each point in the value chain. As a tool for transferring risks to markets, insurance has the potential to make investments more sustainable and helps smallholder producers and other players along the value chain to be better at coping with catastrophic events. Insurance therefore contributes to increased resilience and faster recovery of value chain activities after disruptive adverse events.



What else does the Partnership offer?

Knowledge sharing is at the heart of the InsuResilience Global Partnership. It therefore offers a comprehensive hub of information with diverse products and services to foster learning and knowledge exchange between members and other partners. This includes, for example, the following products:

Knowledge Exchange: RISK TALK

RISK TALK is an interactive platform of the Fiji Clearing House for Risk Transfer which enables faster and better exchange on risk transfer solutions. It is geared toward helping users to develop and implement effective risk-management strategies. The platform was launched at COP23 together with UNFCCC in collaboration with the Executive Committee of the Warsaw International Mechanism for Loss and Damage.



Thematic Collaboration:

The Working Groups

Three thematic working groups aim to strengthen exchange between members outside the Annual Forum and to advance new developments within the Partnership. Working groups are set up on a demand-driven basis to focus on themes that warrant more in-depth attention, drawing on the membership as well as individual experts. The working groups can develop principles, strategic approaches and technical concepts that can serve as orientation for the Partnership.

- 1. **Pro-Poor Principles:** In 2018, the focus of the members was clearly on the development of pro-poor principles for the InsuResilience Global Partnership. The inclusive and consensus-based multi-stakeholder approach included a submission of ideas, webinars and a workshop to discuss and draft the principles. An initial version of the principles was drafted and can be further elaborated upon and nuanced after its implementation. During the course of 2019, we also envisage an exchange of ideas on measuring long-term impact of climate risk finance and insurance solutions.
- 2. Integrated Resilience Approaches: The working group on Integrated Resilience Approaches supports the Partnership's vision to embed climate and disaster risk financing and insurance in comprehensive risk management, by exploring scalable solutions that link wider climate adaptation and risk management efforts with financial resilience to contribute to long-term resilience gains of vulnerable people. One main objective is to overcome "either/or" trade-offs between investments in risk reduction, preparedness or risk transfer, by promoting the idea of "resilience dividends" and suggesting tangible means to capture them.
- 3. Data as a public good: This working group aims to identify the gaps and challenges in obtaining and providing open access to risk data on different levels. On this basis, it will identify solutions to address these gaps and outline ways to improve collaboration between all actors involved – and how the InsuResilience Global Partnership can support this process. A scoping study will look into the supply and demand side divide with regard to data availability and assess how risk data can be effectively processed and communicated in order to stimulate and enable risk reduction and adaptation.

Studies and Policy Briefs

The InsuResilience website features various studies, factsheets, reports, and policy briefs on climate-risk insurance and disaster-risk finance.



https://www.insuresilience.org/knowledge-hub

Grants and Scholarships

(In Collaboration with A2ii & A2R)

The UN Climate Resilience Initiative (A2R) and the InsuResilience Global Partnership have jointly set up a contest to seek innovative ideas for linking climate-risk insurance with other forms of social protection.

Together with A2ii, the Secretariat sponsors the participation of two female high potential senior insurance supervisors in the nine-month Leadership and Diversity Program for Regulators run by Women's World Banking and Oxford University's Saïd Business School.

Country Assessments: InsuRisk 2.0

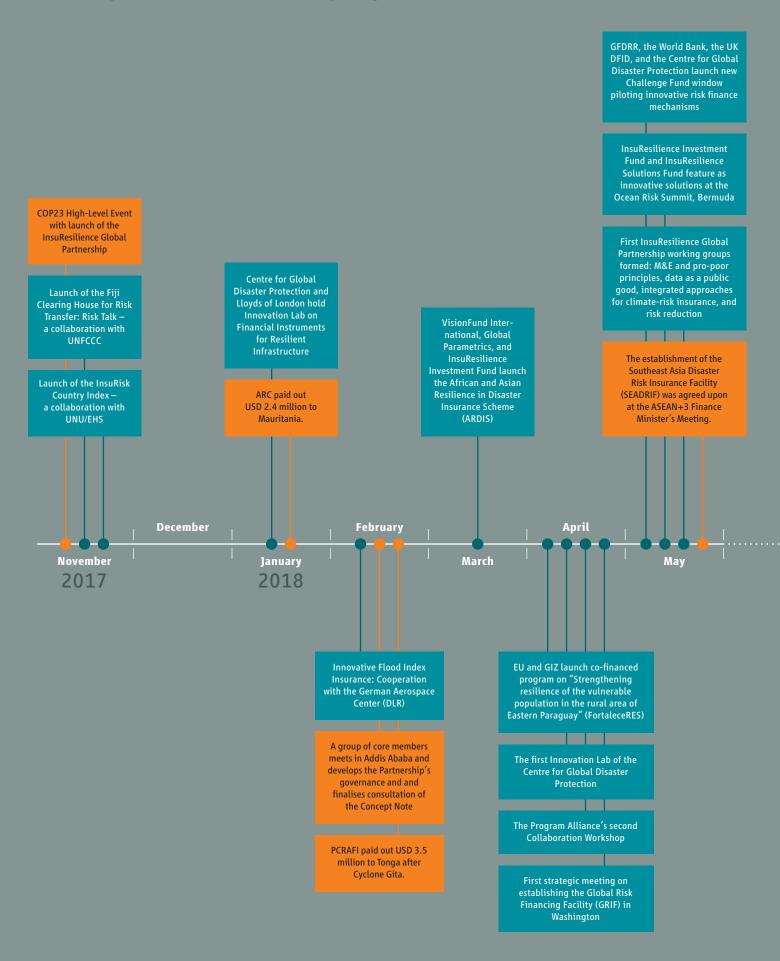
InsuRisk 2.0 is a comprehensive and objective concept and methodology providing transparent and comparable information on the vulnerability of countries toward climate and disaster risks and their readiness to engage with insurance solutions. The United Nations University's Institute for Environment and Human Security (UNU-EHS) developed a prototype InsuRisk Assessment Tool together with Social Impact Partners and the InsuResilience Secretariat. The aim of this tool is to provide transparent mapping of a countries' vulnerability to climate and disaster risks, and to assess their readiness to adopt insurance solutions.

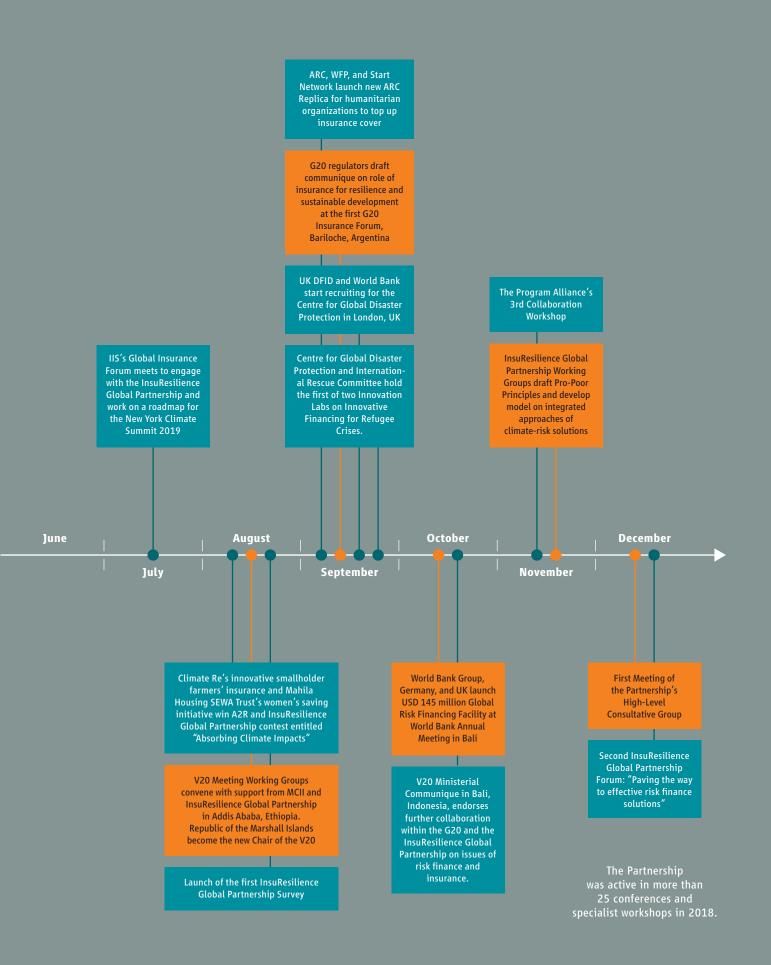
This assessment is directed through five key components. (1) Climate and disaster risk encompass the exposure of people, livelihoods, and assets to various natural or climate-related hazards compounded by their relative vulnerabilities to those hazards. (2) Short-term coping capacity reflects the ability of individuals and governments to provide a buffer against the impacts of hazardous events and cope with the consequences. (3) Long-term prevention strategies reflect the availability of risk prevention and reduction measures such as preparedness plans and disaster risk reduction strategies. (4) Readiness indicates whether there is financial and risk literacy, an enabling regulatory environment, trust in insurance solutions, and a presence of insurance industry players. (5) Residual risk refers to the risks that would remain for a country even after improving long-term prevention strategies, short-term coping capacities, and the introduction of a risk-transfer solution. Ultimately, the mapping of these five indicators is intended to give guidance for prioritizing the focus of action and tailoring support for potential InsuResilience partner countries.



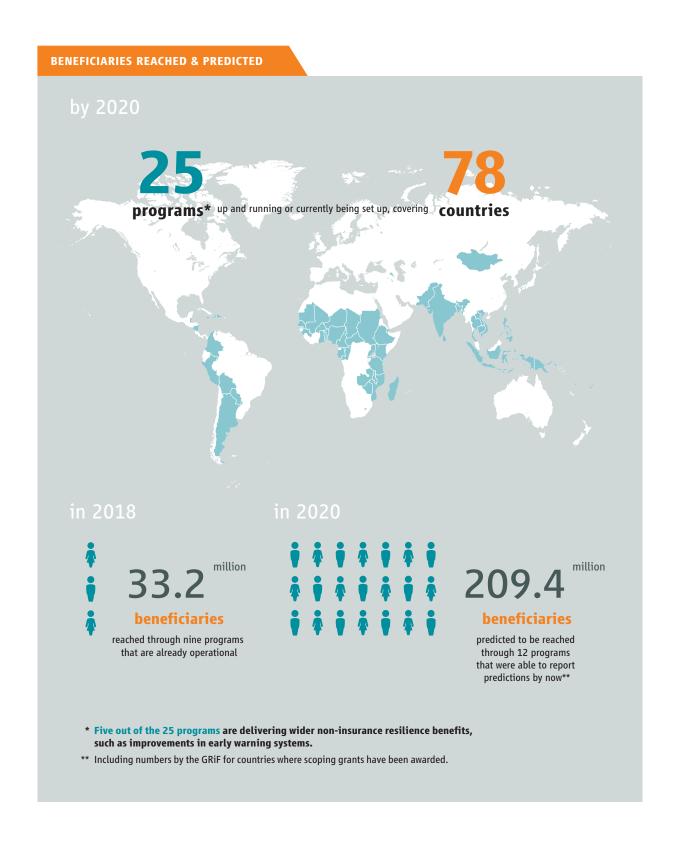
https://i.unu.edu/media/ehs.unu.edu/news/17076/ InsuRisk-Tool-Factsheet.pdf

A Dynamic Year of Laying Out Groundwork

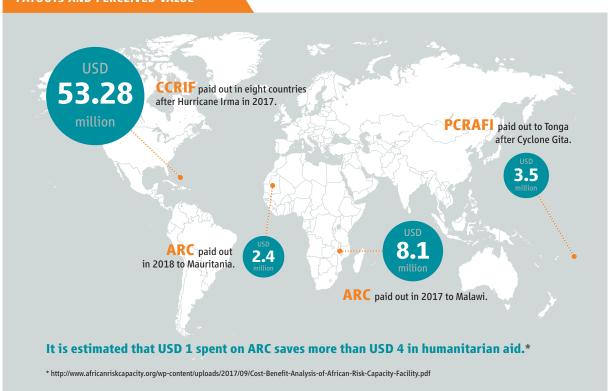




The InsuResilience Global Partnership in Facts and Figures



PAYOUTS AND PERCEIVED VALUE



FURTHER ACHIEVEMENTS

Capacity Building

12 programs report intensive capacity building training sessions across all kinds of stakeholders.

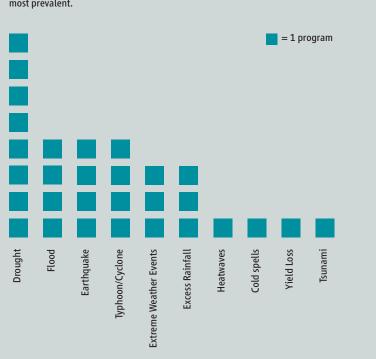
Training sessions vary from program to program and include disaster preparedness and response planning, improving financial literacy and market readiness, forecasting, modeling, and analytics.

Comprehensive Risk Assessment

12 of the surveyed programs reported a comprehensive risk analysis. 11 of these programs integrated DRFI solutions into national risk-management plans. These programs cover more than 40 countries.

Risks covered

Surveyed programs cover more than ten hazards, with drought being the most prevalent.



The Monitoring Approach

The InsuResilience Global Partnership builds on and broadens the scope of the G7 InsuResilience Initiative with its initial goal of providing access to insurance for an additional 400 million poor and vulnerable people in developing countries against climate impacts by 2020. It involves multiple stakeholders, tackles a wide spectrum of challenges, and looks at a broader set of results such as long-term impact, effectiveness of solutions and their integration into more comprehensive risk management, and country-wide protection systems. The first step was for the newly established monitoring system to analyze the achievements made in 2018 in the context of the different programs supported by donor commitments. There was a special focus on the initial G7 target of providing 400 million poor and vulnerable people with protection. However, monitoring also looked at impacts beyond beneficiary numbers such as capacity building and broader risk management strategies with CDRFI built into the country protection systems in order to pursue the broader objectives of the Partnership as stated on page 9.

A standardized framework was agreed with the G7, the Netherlands, and the EU, alongside KfW, the World Bank, and representatives of civil society together with MCII to cover monitoring and annual reporting. The aim was to verify the results in a transparent, comprehensible, and comparable manner.

The InsuResilience target group comprising poor and vulnerable people was defined as follows:

- Extreme poor: defined as people earning below USD 1.90 PPP/day
- Poor: defined as people earning below
 USD 3.10 PPP/day and above USD 1.90 PPP/day
- People vulnerable to climate risk with the risk of slipping (back) into poverty, defined as particularly exposed to extreme weather events earning below USD 15 PPP/day and above USD 3.10 PPP/day.

In 2018, 20 micro- and macroinsurance programs were surveyed. These programs were either supported by members of the Global Partnership or newly established under the partnership. Five non-insurance programs that deliver wider resilience benefits were also surveyed. The latter developed non-quantifiable solutions, for example by setting up early

warning systems. The 25 programs either have established projects or are setting them up, and they will be active in 78 countries by 2020.

We can already perceive progress toward the initial G7 goal in this first comprehensive survey. 60 % of the programs surveyed are predicted to be active by 2020, by which point they are estimated to be providing insurance protection to 209.4 million people. Nine programs are already operational, an important and positive first step in market development that usually takes several years. This number will increase as soon as the remaining programs are operational and able to make predictions.

We also see challenges for the current monitoring system. Many programs supported by InsuResilience commitments will not be able to provide quantifiable results. This year's survey was unable to cover projects that are developing markets for insurance, projects building capacity, or projects providing technical assistance. The Partnership will need to develop a framework to monitor the broader impact of these initiatives in future.

It is also important to take into account that the transformation of the original G7 InsuResilience initiative into the InsuResilience Global Partnership has significantly broadened the scope and expanded the platform for evaluation. Further development of the monitoring system is therefore necessary and will be the focus next year. This will provide a broad foundation for the goal of strengthening the resilience of developing countries and protecting the lives and livelihoods of poor and vulnerable people against the impacts of disasters.

The results show that even if InsuResilience is already on the right track further efforts are necessary. Additional action, a joined-up approach, and commitments are required to achieve the ambitious goals of the InsuResilience Global Partnership.

Next steps in monitoring and evaluation will involve covering more programs and expanding the scope so as to fully encompass all the goals of the Global Partnership.

Membership

The Partnership is inclusive and open to stakeholders who align themselves with the vision of the Partnership. Countries and organizations that share the vision and contribute to the objectives of the Partnership may apply for membership. The Partnership relies on **core members** (countries, multilateral institutions) and **supporting members** (private-sector entities, non-governmental organizations, research institutions, implementing partners).

Interested countries and organizations can sign up to become a member by endorsing the Concept Note through a statement by a senior executive representative of their institution/organization. Membership is not associated with a fee. Input in the form of active contributions to the Partnership, e. g. by engaging in one of our working groups, is expected.

The Partnership allows members to:

- ► Engage in working groups: Our working groups facilitate exclusive exchange of new ideas and expertise between core and supporting members. They discuss and engage with core topics related to climate, disaster risk finance, and insurance from academic and practical perspectives, such as monitoring and evaluation, access to risk data, capacity building, or development of new products, etc. The results feed into the Partnership Forum and can also serve as guidance for the High-Level Consultative Group.
- Participate in our Forum: Meet the community at our annual Partnership Forum.
- Access our webinars: Members have exclusive access to webinars organized by the Secretariat, featuring trends related to climate insurance and discussing topics such as monitoring or impact assessments.

- Contribute to our newsletter: Members have the exclusive opportunity to feature their work in the InsuResilience newsletter, which is published between three and four times each year. The newsletter also disseminates experiences and ideas for members interested in new solutions.
- Influence strategic decision-making: Core and supporting members can be invited by the Co-Chairs to join the High-Level Consultative Group.

The Way Forward

2019 will be another exciting year for the Partnership and it will incorporate several milestones. In June, Japan will host the G20 Summit in Osaka, the V20 plans to further detail its ambitions on risk finance at the Spring Meeting of the World Bank. This will be followed by the UNSG 2019 Climate and Sustainable Development Summits in New York in September and the 25th Conference of the Parties to the UNFCCC (COP25) in November. In addition, the new Global Commission on Adaptation will aim to enhance the political profile of adapting to climate change and resilience efforts. All these processes are opportunities to further strengthen the Partnership's work.

It has become very evident that we can only reach the sustainable development and climate targets including all relevant stakeholders. This is where the Partnership can add value.

As we go forward, the Partnership and its members could:

- focus on peer exchange and further strengthen sovereign risk finance and regional risk pools like CCRIF, PCRAFI, ARC and SEADRIF, and support new ones where gaps need to be closed.
- increase support for meso- and microinsurance solutions that have the potential to empower poor and vulnerable groups to become active risk managers and to make them more resilient.
- collaborate more strongly with the IDF to 'crowd in' the private sector with innovative solutions.
- Enhance collaboration with those countries most vulnerable to climate risks and strengthen the integration of risk finance in broader risk-management strategies of individual countries.
- Engage more strongly with civil society organizations in design and implementation of solutions in order to further increase the focus on poor and vulnerable people and to use the full potential of women.

- Deal with emerging issues such as risk finance and insurance for resilient infrastructure or for resilient debt management in the face of disasters.
- Provide a platform for enhanced access to high-quality risk data and its use for adaptation and risk finance solutions.

The Partnership will develop the monitoring and evaluation of programs further so as to demonstrate the positive long-term impact of risk finance and insurance on resilience and to provide lessons-learned. The Partnership's pro-poor principles will provide guidance for implementation and enable the monitoring of the long-term impact on livelihoods.

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