

PRESERVING INSURABILITY

From Sustainability to Insurability

Completing the World's First Sustainable Insurance Roadmap and Defining the Next Generation of Insurance Regulation

California Department of Insurance | United Nations Environment Programme | November 2026

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FOREWORD

Insurance has always been about more than risk transfer.

At its best, insurance provides the confidence that allows individuals to purchase homes, businesses to invest and grow, and communities to recover from unexpected events. It is one of the foundational institutions supporting economic resilience and long term prosperity. For generations, insurance regulators have worked to ensure that insurance markets remain financially sound, competitive, and capable of fulfilling the promises made to policyholders.

Today, however, insurance markets are confronting challenges unlike those experienced in previous generations.

Climate change is increasing the frequency, severity, and complexity of many natural hazards. Wildfires, floods, droughts, heatwaves, and other extreme events are affecting communities around the world and testing assumptions upon which insurance systems have historically relied. At the same time, technological change, demographic shifts, cyber risks, biodiversity loss, and broader economic transitions are introducing new forms of uncertainty that demand fresh thinking from regulators, insurers, policymakers, and resilience practitioners alike.

Recognizing these realities, the California Department of Insurance (CDI) and the United Nations Environment Programme (UNEP) launched the world's first Sustainable Insurance Roadmap in 2022. The Roadmap was designed to explore how insurance supervision could contribute to resilience, sustainability, consumer protection, and long-term market stability while remaining grounded in the core responsibilities of insurance regulation.

The Roadmap challenged insurers and regulators to think beyond traditional approaches and consider how insurance markets could support adaptation, resilience, innovation, and sustainable development. Most importantly, it sought to transform ideas into action. Four years later, CDI has completed or substantially advanced the major elements of that vision, fully integrating the actions into the workstreams at CDI.

Implementation of the Roadmap led to meaningful progress across multiple areas. Climate-risk disclosures expanded significantly across the United States. Climate scenario analysis matured as an important supervisory tool. California adopted the nation's first Long Term Solvency Planning Regulation, requiring eligible insurers to evaluate emerging risks and opportunities through planning horizons extending to 2030, 2040, and 2050. CDI advanced development of the nation's first Public Wildfire Model, pioneered research measuring the insured and uninsured costs of extreme heat, established a regulatory framework for parametric insurance, launched the Green Ribbon Commission on Nature, Biodiversity and Insurance, and expanded international collaboration through initiatives such as the ASSAL NAIC Partnership and the Global Sustainable Insurance Summit.

Collectively, these accomplishments demonstrate that insurance regulation can contribute meaningfully to resilience, adaptation, innovation, consumer protection, and preparedness. They also demonstrate that effective solutions increasingly require collaboration among regulators, insurers, researchers, governments, communities, and

international partners.

The experience of implementing the Roadmap revealed that the defining challenges confronting insurance markets increasingly extend beyond any individual risk, hazard, or policy response. Questions relating to climate resilience, protection gaps, catastrophe losses, innovation, adaptation, and financial stability are deeply interconnected, and together they influence the ability of individuals, businesses, and communities to obtain meaningful financial protection.

As these connections became more apparent, a broader challenge emerged. Around the world, communities and governments are increasingly confronting questions regarding the future affordability, availability, and accessibility of insurance. In practical terms, they are confronting questions of insurability itself.

Preserving insurability requires more than understanding risk. It requires proactively reducing climate risks, strengthening resilience before disasters occur, addressing protection gaps, encouraging innovation, and ensuring that communities remain capable of recovering and rebuilding after loss. It also requires acknowledging that financial resilience, infrastructure resilience, community resilience, and ecological resilience are increasingly interconnected.

This publication reflects on California's experience implementing the world's first Sustainable Insurance Roadmap. It documents the commitments that were made, the accomplishments that followed, and the lessons that emerged through implementation. It also introduces the California Framework for Insurable Communities, a vision for how regulators, insurers, policymakers, researchers, and communities can utilize new capacities to collectively address the challenges ahead.

The Sustainable Insurance Roadmap was launched to explore how insurance supervision could contribute to a more sustainable and resilient future. Through implementation, however, a broader challenge emerged. Questions relating to climate resilience, protection gaps, innovation, adaptation, and long-term financial stability increasingly converged around a common concern: how to preserve insurability in an era of accelerating risk.

The experience of implementing the Roadmap suggests that the future evolution of insurance regulation may increasingly be defined by efforts to preserve access to meaningful financial protection while advancing resilient innovation, consumer protection, and long-term market stability. How societies respond to that challenge will help shape the future of insurance markets and the resilience of the communities, businesses, and institutions that depend upon them.

Hon. Ricardo Lara
California Insurance Commissioner

Butch Bacani
Head of Insurance, United Nations Environment Programme (UNEP)



EXECUTIVE SUMMARY

The insurance sector is entering a period of profound transformation. For generations, insurance regulation focused primarily on solvency, consumer protection, and market conduct. These responsibilities remain the foundation of effective insurance supervision. Consumers must be protected, insurers must remain financially sound, and markets must function fairly and efficiently.

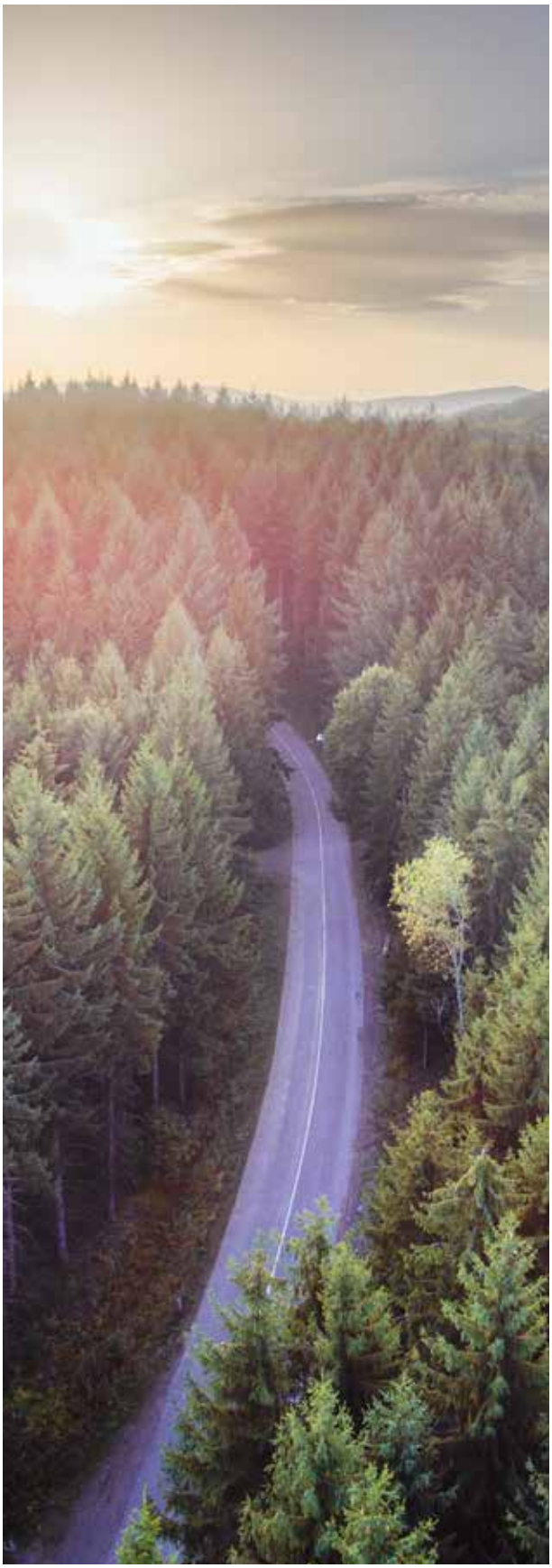
Yet the environment in which insurance markets operate is changing, driven by climate risk and technological transitions that challenge governments, communities, and economies. To comprehensively address these challenges, the California Department of Insurance (CDI) and the United Nations Environment Programme (UNEP) launched the world's first Sustainable Insurance Roadmap in 2022. The Roadmap was designed to explore how insurance supervision could contribute to sustainability, climate resilience, adaptation, innovation, and consumer protection while remaining firmly grounded in the traditional responsibilities of insurance regulation.

Four years later, CDI has completed or substantially advanced the major commitments outlined in that vision. Implementation of the Roadmap led to significant progress across multiple areas, including climate-risk transparency, future-focused supervision, catastrophe intelligence, protection-gap analysis, insurance innovation, nature-related financial risk assessment, and international collaboration. These efforts produced new regulatory tools, research initiatives, partnerships, and policy frameworks that strengthened CDI's ability to address emerging risks while supporting resilience, consumer protection, and long-term market stability.

Among the most significant accomplishments were the expansion of climate-risk disclosures, advancement of climate scenario analysis, adoption of the nation's first Long-Term Solvency Planning Regulation, development of the Public Wildfire Model, pioneering research on the insured and uninsured costs of extreme heat, establishment of California's Parametric Insurance Pathway, launch of the Green Ribbon Commission on Nature, Biodiversity and Insurance, creation of the ASSAL–NAIC Partnership, and convening of the Global Sustainable Insurance Summit.

Although diverse in scope, these initiatives were connected by a common objective: improving society's ability to understand risk, strengthen resilience, reduce protection gaps, and support recovery in the face of increasing uncertainty.

Taken together, these experiences pointed toward a broader conclusion. Questions regarding insurance affordability, availability, mitigation, resilience, and recovery are becoming increasingly important public-policy concerns. Insurance serves not only as a financial product, but also as critical infrastructure supporting economic stability, homeownership, investment, entrepreneurship, and disaster recovery. As a result, preserving access to meaningful financial protection is emerging as a challenge that extends well beyond the insurance sector itself.
One of the most important lessons emerging from implementation of the Roadmap is that preserving insurability is becoming an increasingly important public-policy challenge. Addressing that challenge will require continued innovation, stronger resilience strategies, improved understanding of future risks, and deeper collaboration among regulators, insurers,



policymakers, researchers, and communities. This publication serves three purposes.

First, it documents the commitments established through the world's first Sustainable Insurance Roadmap and the progress achieved through implementation.

Second, it highlights the regulations, research initiatives, partnerships, innovations, and policy frameworks developed between 2022 and 2026 to strengthen resilience, preparedness, and consumer protection.

Third, it introduces the California Framework for Insurable Communities, a vision for the next chapter of insurance regulation built upon the principles of anticipation, adaptation, and innovation.

The Sustainable Insurance Roadmap began as an effort to better understand how insurance supervision could contribute to a more sustainable and resilient future. Through implementation, however, it became clear that many of the challenges confronting insurance markets ultimately converge around a broader objective: preserving access to meaningful financial protection in a changing risk environment.

The challenge ahead therefore extends beyond understanding risk itself. It increasingly involves ensuring that individuals, businesses, and communities retain access to the financial protection, resilience, and recovery mechanisms necessary to navigate a world characterized by growing uncertainty.

The work documented in these pages reflects California's effort to meet that challenge while contributing to a broader international conversation about the future of resilience, recovery, and insurance supervision in a rapidly changing world.



ROADMAP COMPLETION MATRIX

Delivering on the World's First Sustainable Insurance Roadmap (2022–2026)

The 2022 Sustainable Insurance Roadmap was developed jointly by the California Department of Insurance (CDI) and the United Nations Environment Programme (UNEP) as a practical framework for CDI to reconfigure insurance supervision in a way that would strengthen transparency and financial oversight, accelerate the transition to more sustainable investment strategies, catalyze insurance product innovation to support climate goals, and empower communities to become more resilient.

Four years later, CDI has not only completed or substantially advanced the major commitments outlined in the Roadmap, but institutionalized the capabilities needed to sustain and expand this work over time. The Roadmap helped invest in people and build enduring capacities for cross-disciplinary partnerships, technical expertise, data analysis tools, and regulatory oversight that are now integrated into the Department's organizational fabric. These capacities continue to generate new initiatives, partnerships, and policy approaches beyond the Roadmap's original actions—creating a durable and self-sustaining foundation.

The matrix below summarizes the outcomes of the Roadmap and illustrates how insurance supervision can adapt to address emerging risks while remaining firmly grounded in its core responsibilities to consumers, markets, and financial stability.

ROADMAP ACTIONS	CALIFORNIA OUTCOME
Enhance Climate Risk Transparency	Expanded and standardized climate-risk disclosures through national collaboration at the NAIC and strengthened insurer reporting on climate-related risks, governance, resilience practices, and future targets.
Advance Climate Scenario Analysis	Advanced the use of forward-looking tools for evaluating future risk and resilience through supervisory guidance on scenario analysis, development of guidance with international regulators, and a macroprudential analysis of insurer investment portfolios.
Promote Future Focused Supervision	Adopted the nation's first Long-Term Solvency Planning Regulation, requiring covered insurers to assess emerging risks and opportunities through 2030, 2040, and 2050 planning horizons.
Improve Catastrophe Intelligence	Advanced development of the nation's first Public Wildfire Model and expanded catastrophe intelligence tools to improve understanding of wildfire risk, support resilience decision-making and workforce development, and strengthen post-disaster monitoring. Worked with the NAIC Center of Excellence to build regulator capabilities on catastrophe models and other risk assessment tools.

ROADMAP ACTIONS	CALIFORNIA OUTCOME
Strengthen Climate Adaptation and Community Resilience	Developed resilience initiatives and regulations, including Safer From Wildfires risk-reduction incentives, a home hardening and community mitigation grant program, and integrating mitigation in catastrophe modeling and reinsurance-related regulatory market reforms. Catalyzed Climate Resilience Districts and California's extreme heat ranking system (CalHeatScore).
Identify and Address Protection Gaps	Produced pioneering research on extreme heat, wildfire, flood, zero-emission transportation, and other emerging risks to better understand where protection gaps exist and what strategies may help address them.
Encourage Responsible Insurance Innovation	Established California's Parametric Insurance Pathway and advanced work on community-based insurance models and emerging resilience solutions.
Support Community Based Protection and Recovery	Advanced insurance pilot projects to address protection gaps and remove barriers to resilience, including parametric and community-based insurance concepts in Isleton and Imperial Beach, insurance solutions for urban forests and heat vulnerable populations, and the Prescribed Burn Claims Fund. Expanded community outreach through consumer partnership initiatives and a Local Climate Planning Hub for local governments.
Advance Nature and Biodiversity Leadership	Launched the Green Ribbon Commission on Nature, Biodiversity and Insurance that is advancing three strategic pathways focused on nature-related financial risks, indigenous stewardship, and nature-based investments.
Strengthen International Collaboration	Convened the Global Sustainable Insurance Summit, expanding international dialogue on resilience, innovation, and insurance supervision, expanded role at IAIS on addressing protection gaps, and helped establish NAIC-ASSAL partnership.

Viewed collectively, the accomplishments reflected in this matrix demonstrate that preserving insurability is not the result of any single regulation, study, partnership, or technological innovation. Rather, it emerges through the combined effect of stronger supervision, better risk intelligence, enhanced resilience, responsible innovation, and sustained collaboration.

"The question facing insurance regulators is no longer whether climate change will affect insurance markets. The question is how communities will remain insurable. Preserving insurability is becoming one of the defining public-policy responsibilities of our time."

— Insurance Commissioner Ricardo Lara

What the Roadmap Revealed

Completion of the Sustainable Insurance Roadmap provided an opportunity not only to assess what had been accomplished and what new tools had been integrated into insurance oversight, but also to learn from and reflect on the broader set of interconnections that extend beyond any single initiative, hazard, or area of supervision.

Modern supervision is future-focused. Implementation of the Roadmap reinforced the reality that many emerging risks are developing faster than historical data alone can fully explain. Climate scenario analysis, catastrophe risk intelligence initiatives, and the Long-Term Solvency Planning Regulation all highlighted the importance of looking beyond short-term horizons when evaluating risk. These efforts demonstrated that effective supervision increasingly requires tools capable of identifying vulnerabilities before they become crises, allowing insurers and regulators to better anticipate and prepare for future conditions rather than simply react to past events.

Complex risks require holistic solutions. Implementation of the Roadmap also reinforced the close relationship between resilience and insurance outcomes. Strong insurance markets and resilient communities are mutually reinforcing: insurance supports recovery after disasters, while preparedness, mitigation, adaptation, infrastructure investments, land-use decisions, and other resilience measures that can reduce losses and improve long-term insurability. California's experience with wildfire resilience initiatives, community-based insurance efforts, adaptation planning efforts, and catastrophe-risk analysis demonstrated that risk transfer alone cannot address escalating climate-related losses. The Roadmap also broadened CDI's understanding of protection gaps and their implications for resilience. Extreme heat provided a particularly important example. Research conducted through CDI showed that many significant costs from heat are borne outside traditional property and casualty insurance mechanisms, including by local governments, healthcare systems, heat-exposed workers, farmers, small businesses, and communities. These economic impacts can therefore remain largely invisible when risk is assessed only through insured losses.

Taken together, these experiences underscore the need for a more holistic approach to insurance supervision. Understanding risk increasingly requires looking beyond insured losses to consider protection gaps, uninsured losses, exposure, vulnerability, adaptation and recovery capacity, and the conditions that support resilient communities. Incorporating these broader dimensions of risk can help supervisors identify strategies that strengthen both community resilience and sustainable insurance markets.

Innovation is a pillar of mitigation and resilience. As risks evolve and protection gaps become more apparent, traditional approaches may not always be sufficient on their own. California's work on parametric insurance, community-based insurance initiatives, and other emerging approaches demonstrated how innovation can complement traditional insurance markets by expanding options for recovery and financial protection. The value of innovation lies in its ability to strengthen resilience, improve recovery outcomes, and help address emerging challenges that existing tools may not fully address.



Nature, Resilience, and Insurance are interconnected. The Roadmap implementation also broadened CDI's understanding of climate-related financial risks to include the role of nature and ecosystem resilience. Nature-based solutions are a cornerstone of the Climate Insurance Report, and natural infrastructure is now embedded in catastrophe modeling regulations. But the connections go even further. The connection to nature and biodiversity risk is reflected in the launch of the Green Ribbon Commission on Nature, Biodiversity and Insurance and its founding vision at COP17 in Armenia and related initiatives such as the Climate-Nature Nexus Atlas[1] and Supervising Nature.[2] Together, these efforts recognize that nature can influence disaster outcomes, economic resilience, and long-term insurability. For example, through forests that affect wildfire behavior, wetlands that reduce flood impacts, and coastal ecosystems that provide natural protections. Nature is therefore increasingly, recognized not only as environmental assets, but as part of the risk and resilience landscape relevant to insurance supervision.[1]

"The Sustainable Insurance Roadmap demonstrated that insurance supervision can help societies anticipate risk, strengthen resilience, and support sustainable development. Its implementation revealed something even more important: the future of resilience and the future of insurance are inseparable."

— Butch Bacani, Head of Insurance, UN Environment Programme

1 United Nations Environment Programme Finance Initiative. (2026). Climate–Nature Nexus and what it means for insurers: Understanding how nature shapes climate risk. UNEP FI Principles for Sustainable Insurance Initiative.

2 Sustainable Insurance Forum. (2026). Navigating nature-related financial risks and opportunities: A practical roadmap for insurance supervisors. United Nations Development Programme.

From Sustainability to Insurability

The insurance sector has always evolved in response to changing conditions. For much of its history, insurance supervision focused primarily on solvency. The central focus of regulators was to ensure that insurers remained financially capable of honoring the promises made to policyholders. Capital adequacy, reserves, governance, and market conduct formed the core pillars of supervision and remain essential responsibilities today.

Yet the speed and complexity of risk is changing as climate risk and rapidly emerging technology generate new questions for resilient economies and communities. These developments are reshaping many of the assumptions that have historically guided risk assessment and insurance oversight. And the solutions will require future-focused risk intelligence and insurance supervision.

As risks become more interconnected and, in some cases, increasingly difficult to evaluate through historical experience alone, regulators are being called upon to look beyond traditional approaches. Effective supervision increasingly requires understanding not only the risks that have already occurred, but also the conditions that may emerge in the years and decades ahead. This evolution has elevated the importance of forward-looking risk assessment, catastrophe intelligence, resilience planning, and long-term preparedness.

It was against this backdrop that the California Department of Insurance (CDI) and the United Nations Environment Programme (UNEP) launched the Sustainable Insurance Roadmap in 2022. The Roadmap was designed to explore how insurance supervision could contribute to climate resilience, sustainable insurance practices, consumer protection, innovation, and long-term market stability. It encouraged greater transparency regarding climate-related risks, supported the development of forward-looking supervisory tools, promoted resilience and innovation, and strengthened collaboration among regulators, insurers, policymakers, researchers, local governments, and communities. Implementation of the Roadmap demonstrated that these objectives were both timely and necessary.

More importantly, however, implementation revealed that many of the challenges confronting insurance markets are more closely connected than previously understood. Discussions regarding climate risk, resilience, natural infrastructure, adaptation, affordability, protection gaps, and financial stability are often treated as separate policy issues. In practice, these challenges increasingly intersect and influence one another in meaningful ways. California's experience implementing the Roadmap suggests that these interconnections can be understood through a broader concept: **insurability**.

Insurability is the ability of households, businesses, public institutions, and communities to access meaningful and effective protection against risk. It influences homeownership, economic development, infrastructure investment, disaster recovery, and broader economic resilience. When insurance becomes unavailable or unaffordable, the consequences often extend far beyond the insurance sector itself.

California's experience implementing the Roadmap revealed that insurability is shaped by a wide range of interconnected factors, including climate-related losses, catastrophe risks, protection gaps, the resilience of homes and infrastructure, and the

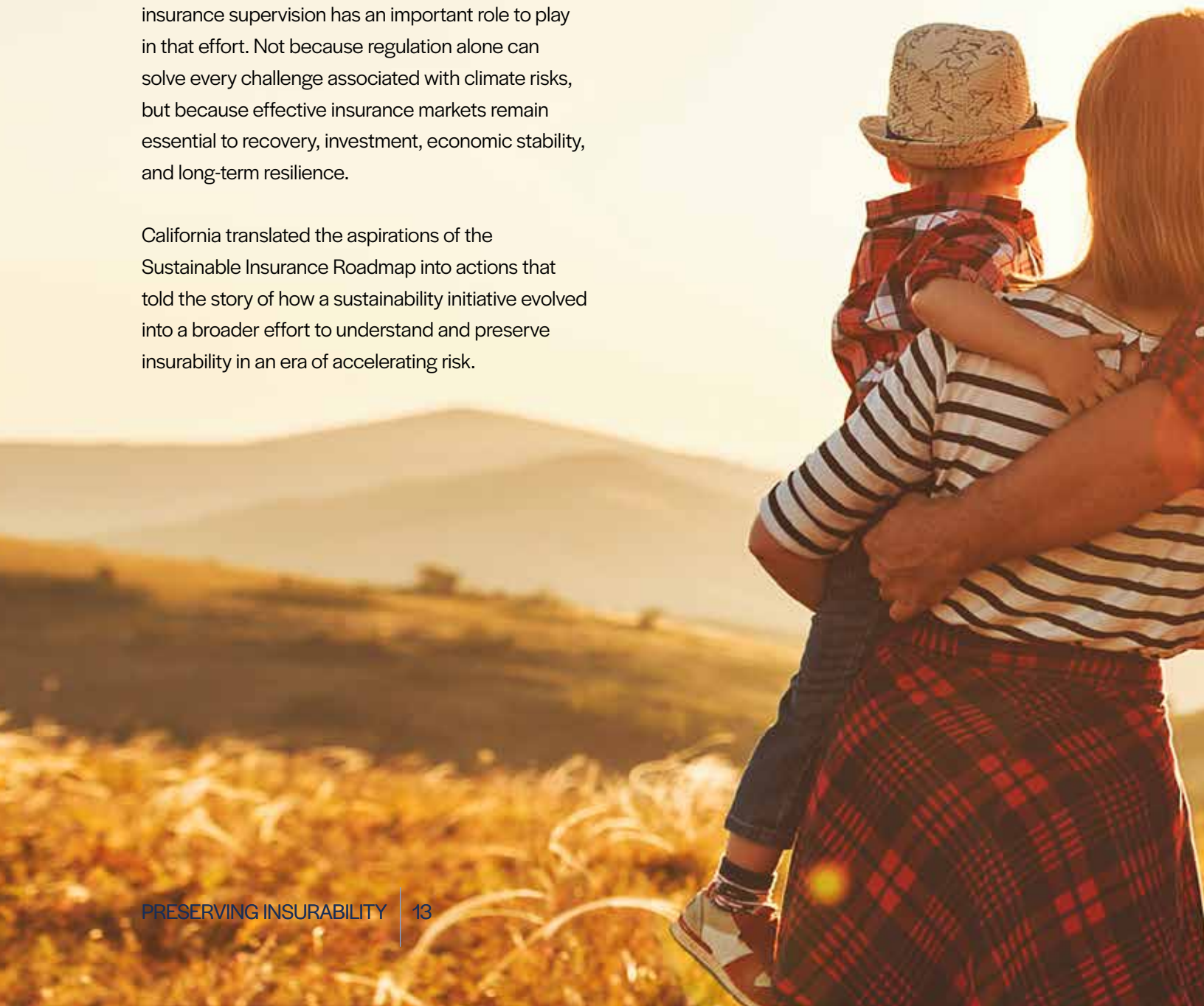
ability of insurers and communities to prepare for future conditions. Rather than representing a single insurance-market concern, insurability serves as a lens through which broader questions regarding ecosystem health, economic security, community preparedness, and long-term resilience can be viewed.

Preserving access to financial protection depends not only on understanding those risks, but also on strengthening the resilience and adaptive capacity of the communities exposed to them. California's experience over the past four years suggests that insurance supervision has an important role to play in that effort. Not because regulation alone can solve every challenge associated with climate risks, but because effective insurance markets remain essential to recovery, investment, economic stability, and long-term resilience.

California translated the aspirations of the Sustainable Insurance Roadmap into actions that told the story of how a sustainability initiative evolved into a broader effort to understand and preserve insurability in an era of accelerating risk.

These actions provide the foundation for California's next chapter of work. They also inform a broader vision for how regulators, insurers, policymakers, and communities can work together to strengthen resilience and preserve insurability in the years ahead.

That vision is reflected in the California Framework for Insurable Communities.





The California Framework for Insurable Communities

The California Framework for Insurable Communities aims to preserve insurability by growing the ability of institutions and communities to navigate uncertainty, build new capacities, and think outside the box. The Framework reflects California's experience implementing the world's first Sustainable Insurance Roadmap and the international dialogues we had through the Global Sustainable Insurance Summit. Preserving insurability increasingly depends upon expanding three complementary capacities: Anticipate, Adapt, and Innovate.

Anticipation begins on building forward looking risk intelligence. Climate-risk disclosures, climate scenario analysis, catastrophe intelligence initiatives, and long-term solvency planning all reflected a common need: improving the ability of institutions to understand future conditions before those conditions become immediate challenges. Resilience increasingly depends upon the capacity to identify vulnerabilities early, evaluate long-term trends and solutions, and incorporate future risks into present-day decision-making. Anticipation therefore represents more than forecasting. It reflects a commitment to **future-focused supervision and risk intelligence** in a risk environment that is increasingly dynamic and interconnected.

Adaptation turns that understanding of risk into coordinated action. Preserving insurability depends not only upon the availability of financial protection, but also upon **investing in early adaptation** and improving the ability of institutions and communities to respond to changing conditions. Research involving resilience initiatives, protection gaps, extreme heat, and nature-related risks reinforced the

conclusion that adaptation is not a single activity, but an ongoing process through which communities strengthen their ability to withstand and recover from disruption.

Innovation broadens the tools available to close protection gaps. Changing risk conditions are revealing challenges that traditional approaches cannot always address on their own. Significant protection gaps remain, new forms of risk continue to emerge, and communities increasingly require new tools that complement conventional insurance mechanisms. Effective innovation expands the options available to individuals, businesses, regulators, and policymakers while maintaining appropriate safeguards and protections. Its value lies not in novelty itself, but in its ability to close protection gaps, accelerate low carbon technologies and infrastructure, improve resilience, strengthen recovery, and expand access to meaningful financial protection.

These capacities are best understood not as independent priorities, but as mutually reinforcing elements of a broader strategy. Improved anticipation supports more effective adaptation. Adaptation reduces vulnerabilities that threaten long-term resilience and insurability. Innovation expands the tools available to address challenges that existing approaches may not fully resolve. Progress in one area can reinforce progress across the others.

Preserving insurability is not solely the responsibility of insurers or regulators. It is a shared undertaking that depends upon governments, businesses, researchers, resilience practitioners, and communities working toward a common objective: ensuring that individuals and institutions retain access to meaningful financial protection. The California Framework for Insurable Communities



therefore reflects the belief that preserving insurability will require stronger collaboration, broader perspectives, and a continued willingness to prepare for risks that are still emerging.

The Roadmap created a foundation that will support the Framework to continue scaling action. It reflects a conviction that societies are not passive observers of risk, but active participants in shaping their resilience. In that context, **the capacity to anticipate, adapt, and innovate** may prove to be among the most important determinants of long-term resilience, economic stability, and insurability in the decades ahead.



The Next Chapter

The Sustainable Insurance Roadmap began with a simple premise: that insurance supervision could contribute meaningfully to sustainability, resilience, consumer protection, and long-term market stability. Four years later, implementation demonstrated that this premise was well founded.

The work documented throughout this publication illustrates how insurance supervision can evolve in response to changing risk conditions while remaining grounded in its traditional responsibilities. Climate-risk disclosures strengthened transparency and understanding of emerging threats. Forward-looking scenario analysis and long-term solvency planning encouraged insurers to look beyond immediate challenges and prepare for future conditions. New approaches to catastrophe intelligence, protection-gap research, innovation, nature-related financial risks, and international collaboration expanded the tools available to regulators, insurers, policymakers, and communities confronting an increasingly complex risk environment.

Perhaps most importantly, implementation demonstrated that preserving insurability cannot be achieved through any single regulation, model, innovation, or institution acting alone. The forces shaping the future of risk are interconnected and increasingly global in nature. Meaningful progress depends upon the cumulative effect of many efforts working together, reinforcing resilience, preparedness, recovery, and long-term stability.

The **California Framework for Insurable Communities** reflects one interpretation of that experience. Its emphasis on Anticipation, Adaptation,

and Innovation is rooted in the lessons that emerged through implementation of the Roadmap and provides a practical way of thinking about the challenges that lie ahead.

Significant challenges remain. Climate-related risks continue to evolve, catastrophe losses continue to affect communities throughout the world, protection gaps remain substantial, and questions regarding affordability and availability are becoming increasingly important across many insurance markets. Emerging risks associated with technological change, demographic shifts, and environmental transformation continue to develop, often in ways that cannot yet be fully anticipated.

Yet the experience of implementing the Sustainable Insurance Roadmap also suggests reasons for optimism. The past four years demonstrated that insurance supervision can adapt, that innovation can occur without sacrificing consumer protection, and that meaningful collaboration can be built across institutions, sectors, and jurisdictions. More fundamentally, the Roadmap demonstrated that resilience and insurability are not fixed conditions. They are influenced by the decisions made today regarding preparedness, adaptation, investment, innovation, and recovery.

Strengthening anticipation can improve preparedness. Strengthening adaptation can reduce vulnerability. Strengthening innovation can expand the tools available to support climate risk reduction, resilience, and recovery. Together, these capacities provide a practical foundation for preserving insurability in a changing world.

That work has already begun. The opportunity now is to build upon it.





A Note of Gratitude

The completion of the Sustainable Insurance Roadmap marks the conclusion of an important chapter in California's efforts to strengthen resilience, advance sustainability, and prepare for a changing risk environment. It also serves as a reminder that meaningful progress is never the achievement of any one individual, office, or institution. The work reflected in these pages was made possible by a remarkable community of people who shared a belief that insurance supervision could contribute to a stronger, more resilient future.

I am deeply grateful to the dedicated public servants of the California Department of Insurance, and especially to the members of our Climate and Sustainability Branch, whose expertise, creativity, and commitment transformed an ambitious vision into meaningful action. Over the course of this journey, they helped position California at the forefront of conversations surrounding climate resilience, insurance innovation, nature-related financial risks, and the future of insurance supervision. More importantly, they never lost sight of the people this work is intended to serve: the individuals, families, businesses, and communities that rely upon a financially strong and resilient insurance system.

I am equally thankful to the many academic institutions, researchers, nonprofit organizations, resilience practitioners, and civil society partners who contributed their knowledge, challenged our assumptions, and expanded our thinking. Their insights strengthened every phase of this effort and helped ensure that the work undertaken through the Roadmap was informed by rigorous analysis, practical experience, and a commitment to public service.

My sincere appreciation also extends to our international partners, including the United Nations Environment Programme, the Sustainable Insurance Forum, Members of the California Climate Insurance Working Group, insurance supervisors, policymakers, and practitioners from around the world who collaborated with us throughout this effort. Their partnership reinforced a lesson that appears throughout this publication: the

challenges confronting communities, economies, and insurance markets transcend geographic boundaries, and meaningful progress depends upon collaboration that does the same.

While the Roadmap began in California, it was strengthened by contributions from individuals and organizations across the United States and around the world who shared a common commitment to resilience, innovation, consumer protection, and long-term sustainability. The accomplishments reflected in this publication belong to all of them.

What gives me the greatest sense of pride is not any single initiative, report, summit, regulation, or framework. It is the knowledge that a diverse group of people and organizations came together around a shared belief that the future is not something we simply react to. It is something we can help shape through preparation, partnership, and perseverance.

Over the past several years, I have had the privilege of witnessing that belief in action. Together, we explored new ideas, built lasting partnerships, challenged conventional thinking, and contributed to a growing international conversation about resilience and insurability. Most importantly, we demonstrated that government, industry, researchers, nonprofit organizations, and international institutions can work together in pursuit of a common goal.

The work documented in this publication reflects far more than the completion of a Roadmap. It reflects a shared commitment to strengthening resilience, expanding opportunity, and ensuring that insurance continues to serve as a foundation for recovery and economic security in an increasingly uncertain world. For that commitment, for that partnership, and for the opportunity to serve alongside so many dedicated individuals, I offer my deepest gratitude.

I believe the best chapters of this story are still ahead of us.

Ricardo Lara
California Insurance Commissioner



Acknowledgments

United Nations Environment Programme

Butch Bacani
Emily Banzet
Seth Eshun
Jessika Berns
Layalee Ramahi

United Nations Development Programme

Stephen Nolan

Ceres Leads for the Global Sustainable Insurance Summit

Steven Rothstein
Jaclyn de Medicci Bruneau

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