

GLOBAL RESILIENCE INDEX INITIATIVE A COMMON LANGUAGE OF RISK

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Forum

Director, Systemic Resilience Environmental Change Institute, University of Oxford

China

Macau

Brunei

Indonesia

Phili

Indonesi

Singapore

Cambodia









Ivanmar

Thailand



\$29bn average annual losses and damages for V20

\$155-\$330bn - Annual adaptation costs for EMDEs

\$240bn sustainable debt issuance in EMDEs

\$2.7tn per year global infrastructure investment

25% of asset owners disclose physical risks

Introduction



The Global Resilience Index Initiative was launched in 2021 at COP26 and brings together a global community spanning the public, private and academic sectors to make available comprehensive, open and globally consistent data and analytics related to the physical risks of climate change and nature loss and metrics for the alignment of finance with adaptation.





Open platform for collaboration. Contributing institutions to date:

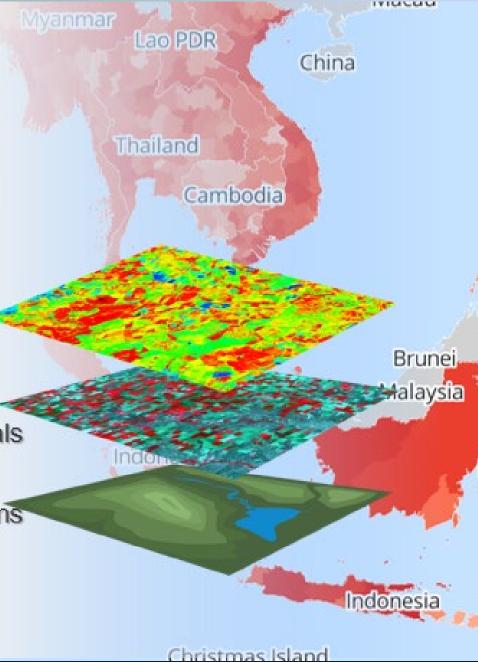






GRII provides open, globally consistent physical climate-risk and resilience data and information architecture:

- Brings together the best available science from across the UN, insurance industry and academic community
- Fill the gaps systems-level risks and supply chains
- Bridging together people, planet and prosperity metrics and goals to inform investment
- Providing probabilistic risk metrics suitable for financial decisions
- Open and transparent







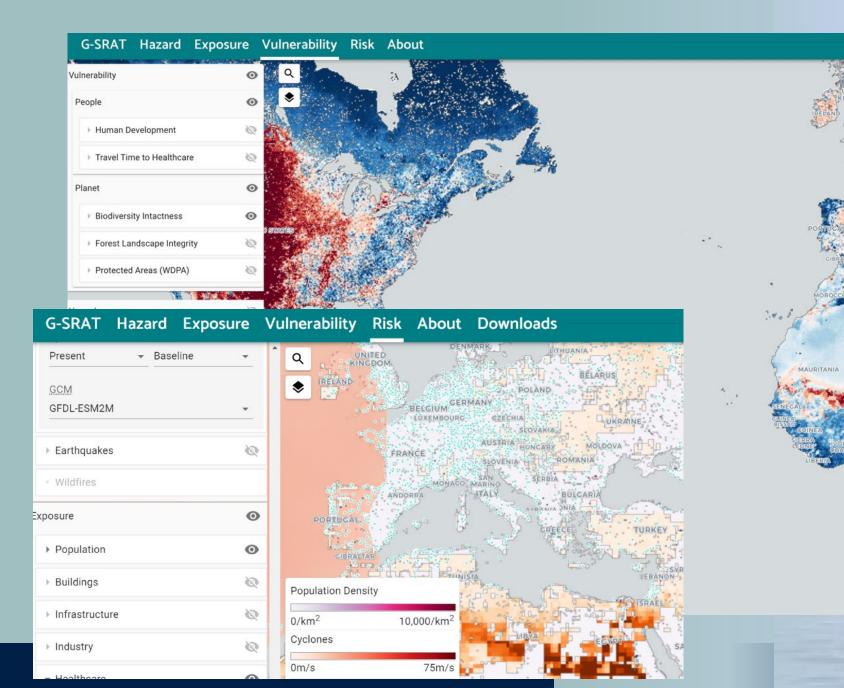
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Global Systemic Risk Assessment Tool

Country Data Starter-Kits

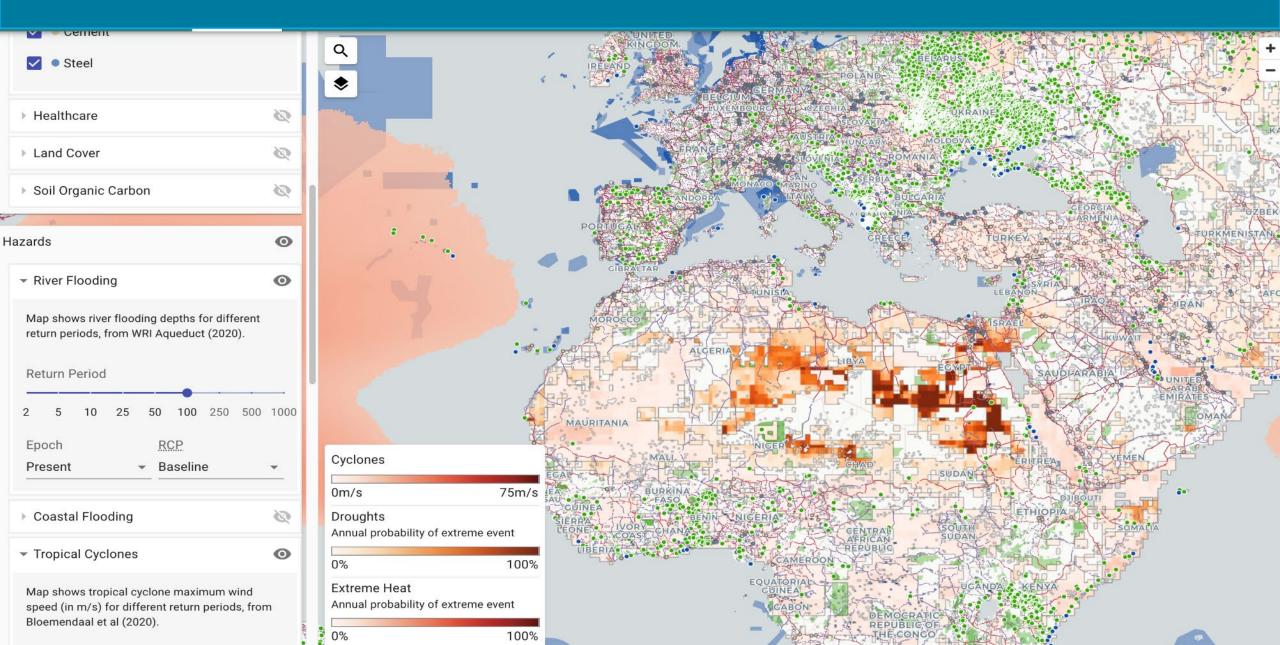


Koreign, Commonwealth & Development Office



. ALGERIA

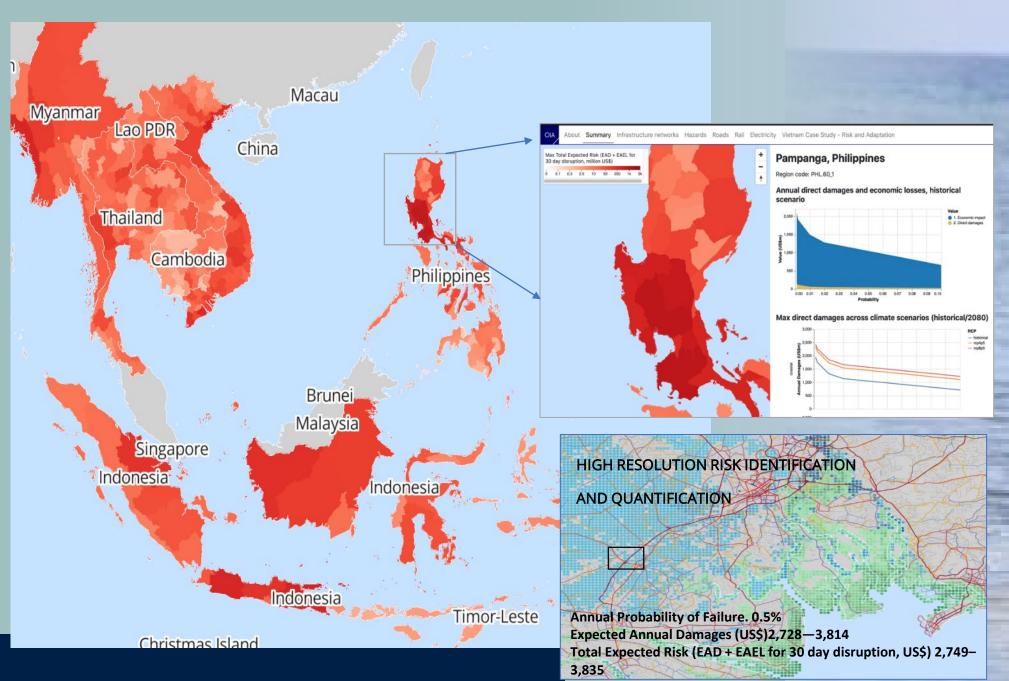
Fully Open Physical Climate & Nature Risk Data & Toolkit



GLOBAL RESILIENCE INDEX INITIATIVE A COMMON LANCUAGE OF RISK

Global Systemic Risk Assessment Tool

Collaboration with the World Bank



GRII EVOLUTION

5) GRI's global solutions to mobilise finance for adaptation are known, understood and adopted

1) Leading Global Risk Analytics Developers

Develop reliable, consistent, transparent and accurate risk indicators, indices and displays

6) GRI's activities, outputs and visibility are well managed and optimised

2) Financial sector: Integration of consistent, transparent and useable climate risk data into financial investment decision making.

² Universal data language of risk among sectors

3) Public and Civil sector: Integration of consistent, transparent and useable climate risk data into decision making to guide public investment for resilient societies. 4a) Alignment of financial flows with adaptation and resilience goals

4b) Clear plans and targets for adaptation, with identified and prioritised investments.

4c) Facilitate the pricing of risk to incentivise investment in resilience

4d) National (and Global) Investment alignment assessment tool.

4e) Support the development of common data standards for physical risk and adaptation

Finance mobilised for adaptation and resilience GLOBAL RESILIENCE INDEX INITIATIVE

Cambodia

Singapore

Indonesia

Vietnam

Resilience Finance Lab

PRESS RELEASE: UN, insurance and academic leaders sign agreement to draw upon insurance data and expertise to advance climate and disaster risk analytics and help mobilise finance for adaptation

PRESS RELEASES

Signed at the IDF Summit, Global Resilience Index Initiative secures new agreements and funding to provide open, globally consistent climate risk data for governments and financial institutions to scale-up climate adaptation, resilience and loss and damage finance and protect exposed communities and economies.

As climate change accelerates, the stakes are getting higher for people, businesses and governments around the world. Putting globally consistent numbers behind who and what is most at risk, and how people, prosperity and the planet will be impacted is essential to guide capital investments in adaptation.







Resilience Finance Lab

Coordination across the growing network of technical partners and working with financial institutions



RESILIENCE METRICS FOR INFRASTRUCTURE INVESTMENT



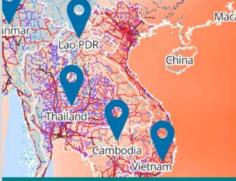
CLIMATE-**FINANCIAL DIS** ASSET OWNERS MANA



CLIMATE STRESS TESTING

THROUGH GRII'S PEOPLE,

PLANET & PROSPERITY LENS



DISASTER RISK FINANCING: ASSESSING RISKS AND BUILDING RESILIENCE

climate arc





UN Office for Disaster Risk Reduction



working together to assess risk





3. Disclosure and transition plans for adaptation: Supporting banks to develop targets and metrics for aligning finance with resilience – collaboration with UNEP FI Principles of Responsible Banking







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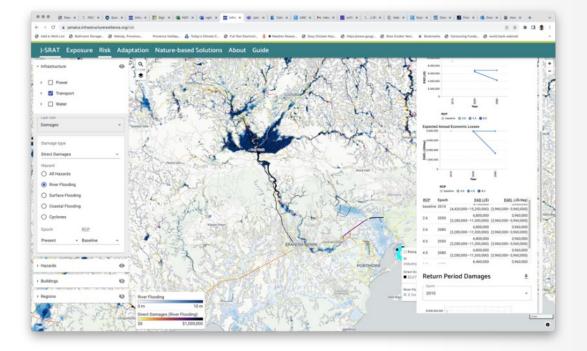
RESILIENCE

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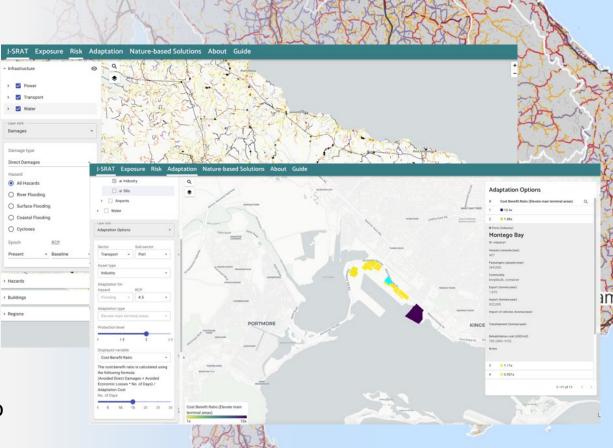
OMMON LANGUAGE OF RISK

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Tools to enable governments and infrastructure investors to identify and prioritise adaptation investments





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ACCESS DATA | ABOUT US - | IMF



Monitoring Trade Disruptions from Space







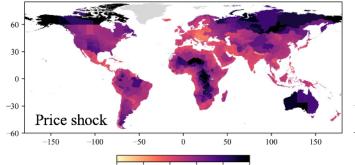
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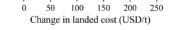


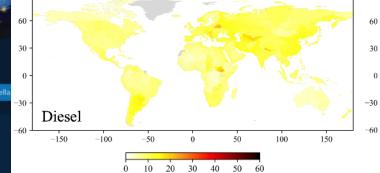
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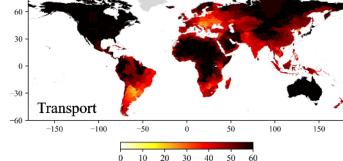
warning and early action

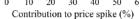


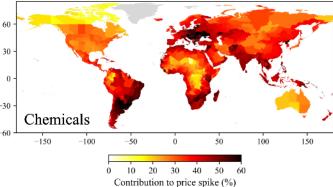




Contribution to price spike (%)

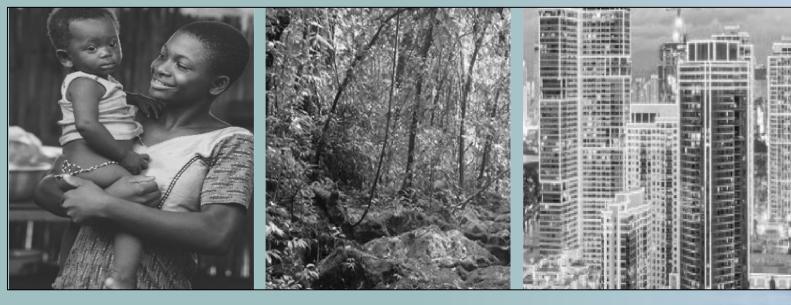






PEOPLE PLANET PROSPERITY

6



- SDG alignment
- Schools & Hospitals
- Social vulnerability
- Gender

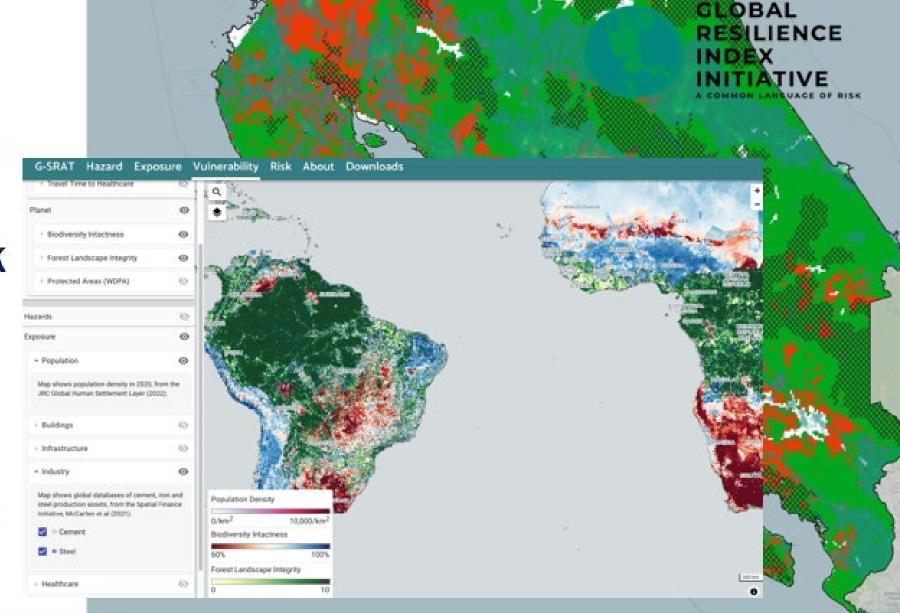
- Natural capital
- Ecosystem services
- Nature-related risks
- Economic exposure and losses

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- Infrastructure systems
- Supply chains

Developing integrated climate-nature financial risk metrics for risk management and capital allocation

(Collaboration with the NGFS Nature Working Group)





Macau

Brunei

Indonesia

China



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Thank you!

For further information, contact: nicola.ranger@ouce.ox.ac.uk

Singapore

Cambodia

Myanmar

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Indonesi

Phili