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Climate change and its effect on the Indian economy

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Research by : Joshua D'souza, Vinith Dsouza



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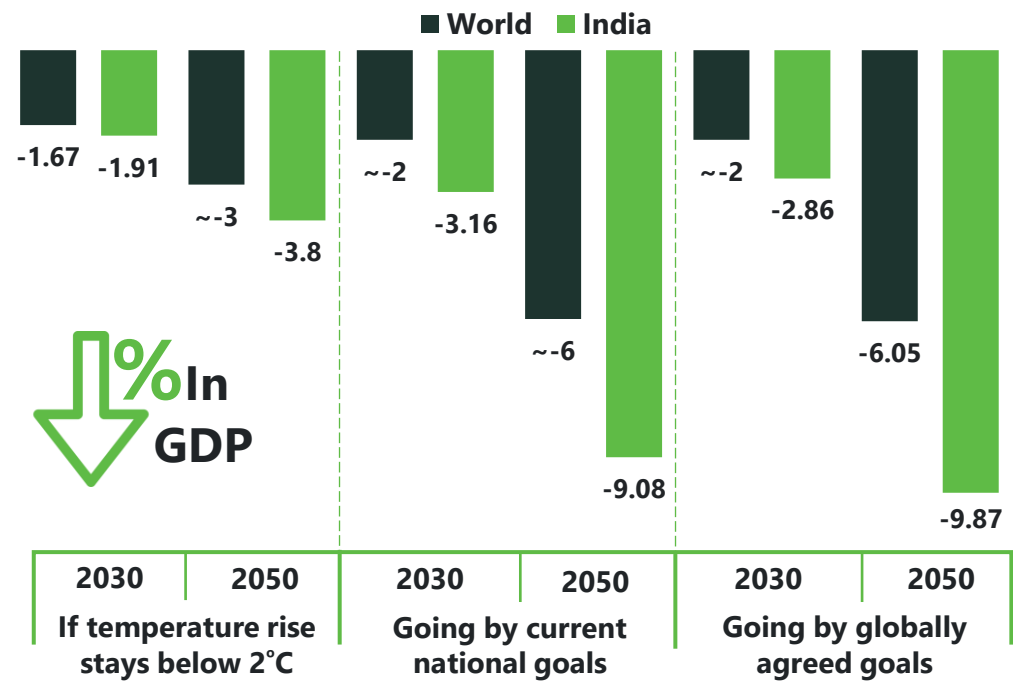
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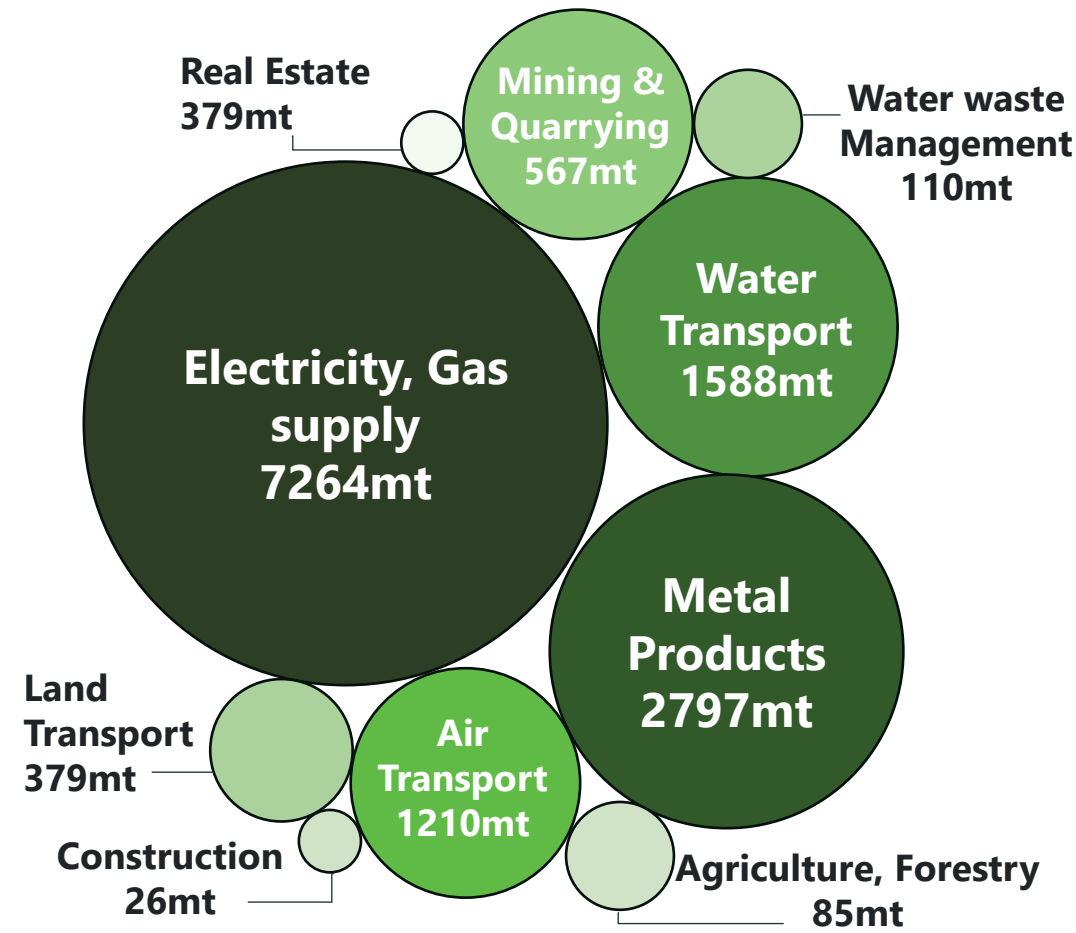
Climate Change – Global v/s India

Climate change effect on the world v/s India



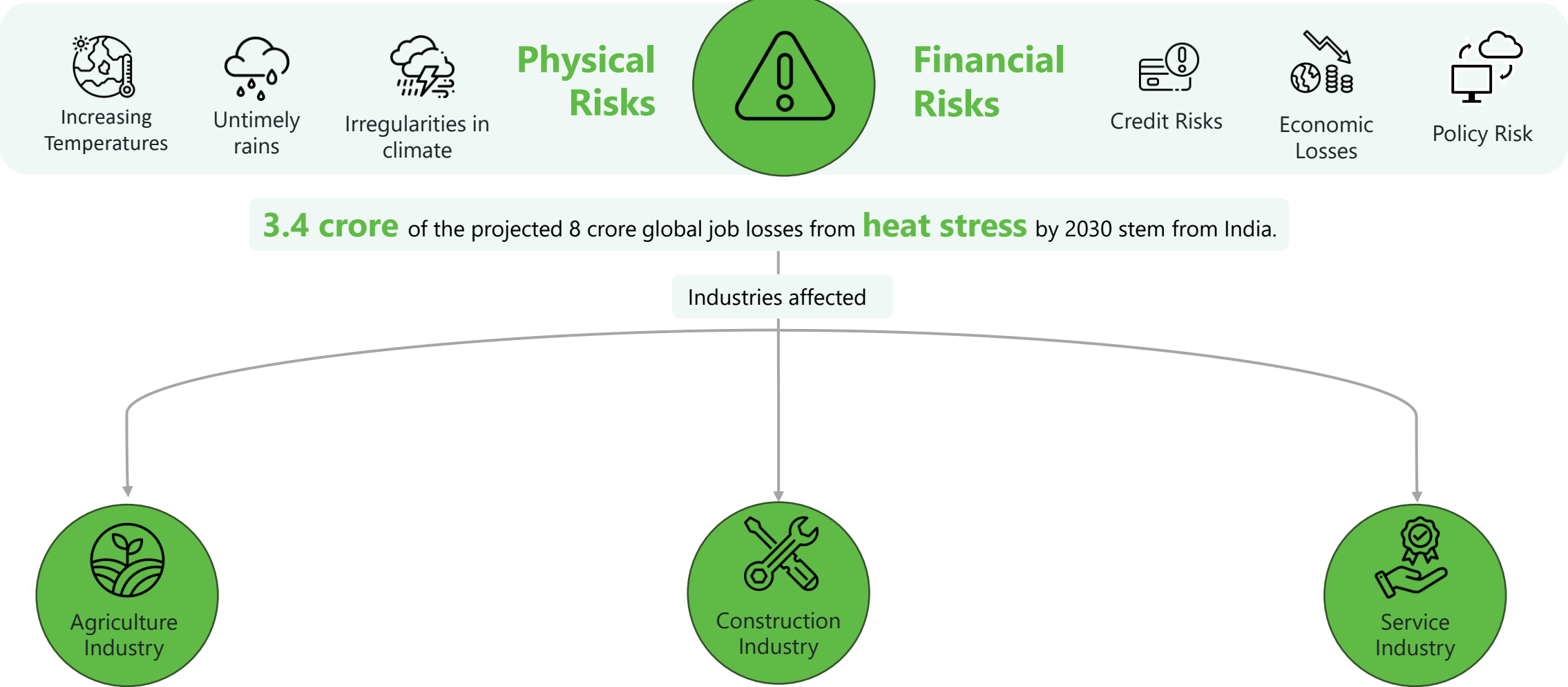
According to the report from the Reserve Bank of India, it indicates that by 2030, up to **4.5% of India's GDP** could be jeopardized because of approximately **40% lost labor productivity** from extreme heat and humidity.

Main sources of CO₂ emission by industries in India



*Tonnes of CO₂ emissions per USD million of output

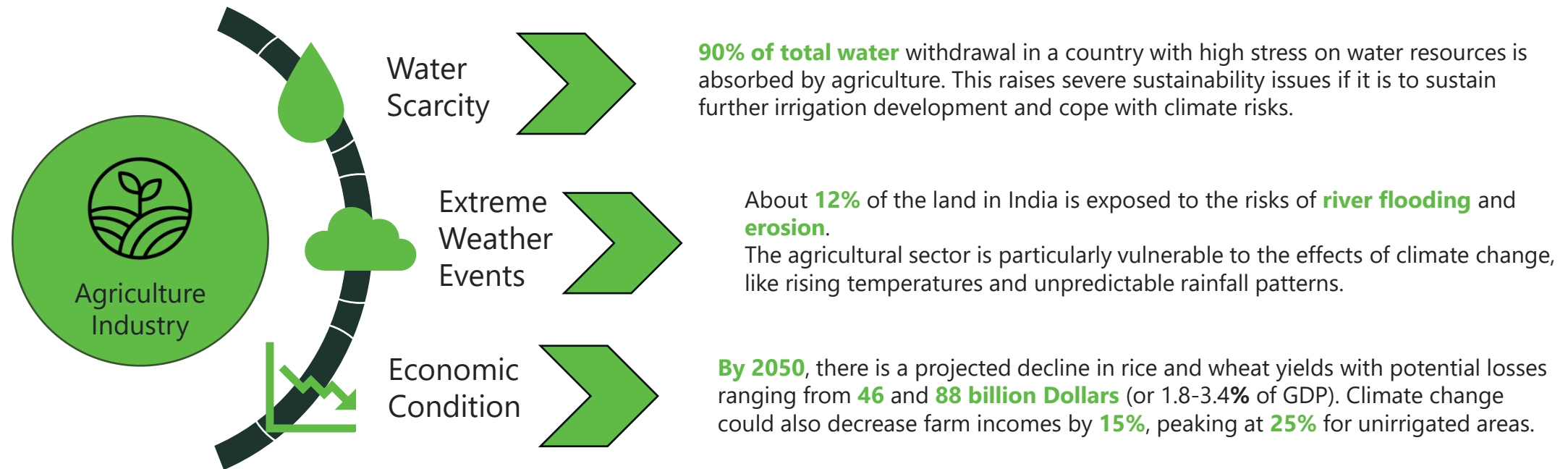
How will Climate Change affect various Industries?



Source: [India Today](#)

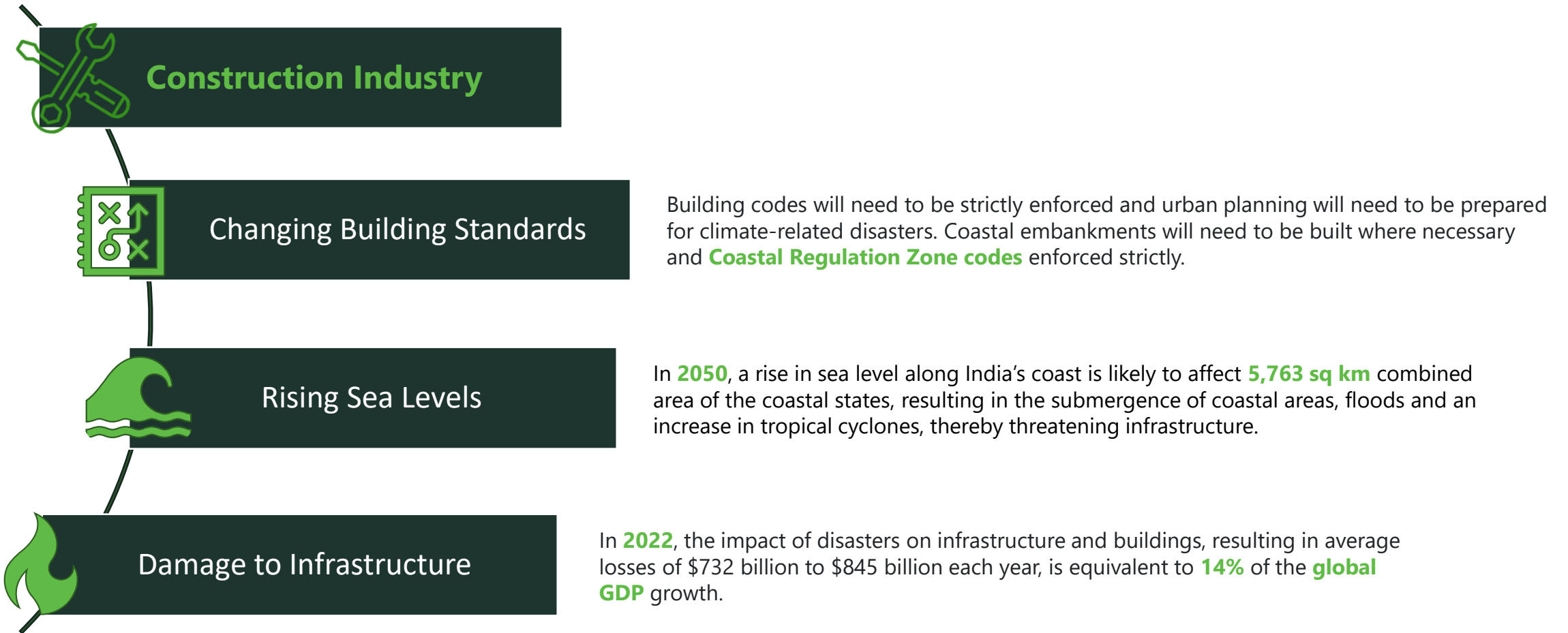
Impact of Climate Change on our Industries

Impact of Climate Change on the Agriculture Industry



Source: www.g20climaterisks.com

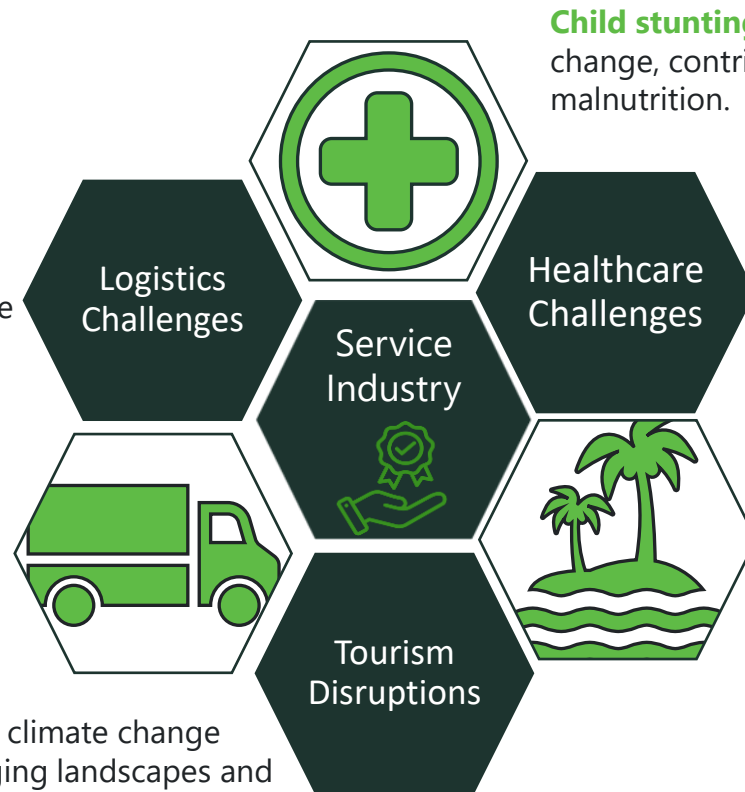
Impact of Climate Change on the Construction Industry



Source: www.context.news/climate-risks.com

Impact of Climate Change on the Service Industry

A **20%** drop in **heavy rare earth output** is attributable to the increased risk of landslides, flooding, and transportation delays to and from mining sites due to the effects of climate change.



Source: <https://bnrc.springeropen.com>

Conclusion



Cost of Climate Change in India

Climate change due to rising temperature and changing patterns of monsoon rainfall in India could cost the Indian economy **2.8 percent** of its **GDP** and depress the living standards of nearly half of its **population by 2050**



Collaborations for Climate Solutions

Venture capitalists and entrepreneurs can catalyze funds, expertise and support to fuel climate technology innovation and align start-up **efforts to meet net-zero targets**. Larger companies can also mainstream such innovation



Focus on Technology and Innovation

One such example is Mahindra & Mahindra's **Krish-e initiative**, which provides free advisory, digital, and precision-farming solutions to farmers to enhance productivity and reduce farmers' vulnerability to climate change.



Adaptation Measures

Building infrastructure that's **resilient to climate extremes**, developing drought-resistant crops, and improving disaster management systems are crucial.



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Contact



+91-9359628675



contact@marcglocal.com



www.marcglocal.com



2nd floor, CMM bldg. Rua de Ourem,
Panaji Goa 403001