



YE RUMBLES

YOUNG PLANET DIALOGUE

An altered planet, and a new generation





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Who are you?

- The first generation of the 21st Century: “**Generation Alpha**”
- The first generation to witness depopulation: “For the last 25 years **fertility rate** has been declining”
- The first generation to grow in a parallel but real world: “The **digiverse**”
- The first generation to endure a pandemic: “The **covid generation**”

*And the first generation to be told about **the planet in past tense***





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What you inherit?

- An **altered** planet: “You have not seen a normal planet”
- A **half-filled** environment: “You have much less forests and wildlife”
- A planet with **less water**: “Every second of you are water bankrupt”
- A **hot planet** : “Every third of you face 20 days of heat stress”

*And the first generation to be told about the **planet in comparison to ancient warming eras***





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Our planet, your burden

- **State** of the planet: “There is **no precedent** to the current situation in lived humans history”
- **GHGs**: “The levels are **highest** ever; at least in last **30 lakhs years**”
- **CO2**: “The rate of increase in 60 years is 100 times faster than at the end of the Ice Age, **17,000 years** ago”
- **Hottest** ever: “2015-2025 the hottest **11 years on record**”
- Heating **oceans**: “Marine heatwaves sweep across the seas; **corals to fish**, all on death sentence”
- **Sea level** rise: “Rising at **never before speed**; large coastal cities to be submerged sooner than expected”





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We breached trusts, you hit limits

***Earth**: Dead for 800 million years; alive for last 3 billion years, with over **4 trillion species** and **humans** for just **0.3 million years**

• **Planetary Boundary**: There are **9** to keep the planet habitable and sustainable/ “**Safe Operating Space**”

• **Breached**: **7** of the 9 meaning we are reaching to thresholds

• They are: Ocean acidification, **climate change**, biosphere integrity, land system change, freshwater change, modification of biogeochemical flows and introduction of **novel entities**





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State of India's Environment

- India: 4 of 36 global biodiversity **hotspots**
- Forests **greening**: Faster in 2010–2019
- **Forest** cover: **Increased** by 14.5 million hectares from 2001 to 2020
- Forest **loss**: **12 Mha** in 2001–2020; lost around 18 km² of forest area for every 1 km² gain





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State of India's Environment

- **Water**: Increasingly, water **sources drying** up; 50% supply points dry
- **Inequality**: **Some** get more, some **don't get**
- **Water-borne diseases**: Increasing, **cholera** rising again
- **Economy**: The poor **spend the most** on water, same as food





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State of India's Environment

***Land**: 50% prone to **desertification**; drought affects 33% every year

•**Rainfed**: **60%** farms are **rainfed**; agriculture becoming uncertain

•**Farmers**: **2,000 farmers** quitting every day; aging is affecting production

•**Food security**: Depends on rainfed areas as other areas hit maximum production levels





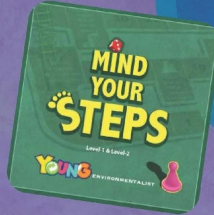
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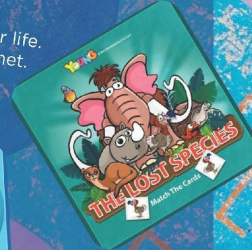
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