



Helping people and nature adapt to a changing climate.

Virtual Planet is a mission driven organization founded to meet the urgent need for decision-support tools designed to reduce coastal risks related to natural and human-caused hazards, and climate change.

Our solutions are fully interactive and designed to support community engagement, public outreach, education, and planning activities. We use hyper-realistic 3D models of coastal locations, the latest climate projections, and incorporate socioeconomic information to promote equitable adaptation measures.

In a partnership with the City of Santa Cruz, Virtual Planet is developing a fully immersive virtual reality application. In the app, users will be able to explore trade-offs related to coastal adaptation to sea level rise, coastal erosion, and coastal storms at three locations in Santa Cruz – including the most socially vulnerable neighborhood in the city, which is also projected to be one of the most impacted areas in the near future. Adaptation scenarios (e.g. seawall, relocation of coastal structures, or vegetated dunes) and other critical information, such as costs and benefits of each alternative, will also be visible.

Our solutions can be developed for coastal or inland communities to support multiple applications including:

- Fully Immersive and interactive applications with realistic models.
- Interactive visualization of climate impacts related to coastal flooding, sea level rise and coastal erosion.
- Tradeoffs between coastal adaptation alternatives.
- Built-in survey engine that capture user's knowledge, preferences, and reactions to different scenarios.
- Multi-platform support (mobile, web-based, and virtual reality).
- Ability to visualize overlap between coastal hazards and vulnerable population.
- Tools to visualize risks related to future development in at-risk locations.

To request a live demonstration or for more information, please contact:

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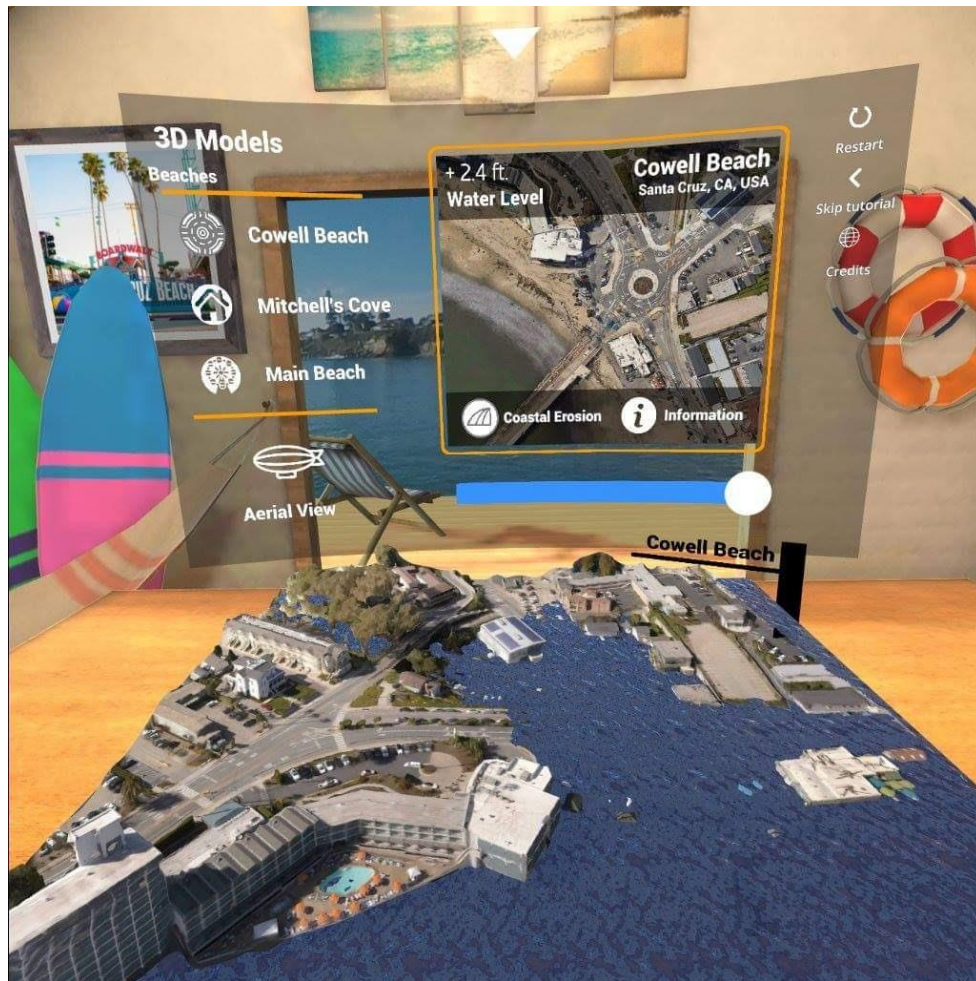


Figure 1. Projected inundation at Cowell Beach, Santa Cruz, resulting from 2.4ft of sea level rise + 100-yr storm as seen in the Virtual Planet Application (based on models developed for the [Santa Cruz Climate Adaptation Plan](#))

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