



# TERRAFIRMA SPEARHEADS CLIMATE TECH INNOVATION



## ABOUT TERRAFIRMA

TerraFirma, a global leader in climate tech, is transforming environmental risk assessment with a unified platform that empowers stakeholders— from construction firms to homebuyers and insurers— with comprehensive data insights. Their pilot in Puerto Rico, featuring 15 environmental products, showcased the platform’s impact and opened new market opportunities in both commercial and residential sectors, simplifying home-buying decisions and beyond.

## CHALLENGES

Bringing an innovative climate tech solution to market is challenging, especially for a lean startup with limited resources. TerraFirma needed a scalable, cost-effective way to rapidly develop and validate its platform for visualizing environmental risks. Traditional development was too slow, risking delays in funding and market entry. To bridge the gap between vision and execution, TerraFirma sought a partner with the technical expertise and strategic insight to accelerate deployment and demonstrate value to investors and customers.

## SOLUTION

- **Expert-Led Development:** Commit’s team possessed not only extensive AWS cloud knowledge but also industry-specific experience in environmental data processing and visualization. This allowed them to quickly understand TerraFirma’s vision and translate it into a functional prototype, significantly reducing development time.
- **Agile Experimentation & Prototyping:** Leveraging AWS Cloud’s flexible infrastructure, TerraFirma gained the ability to rapidly provision resources, experiment, and iterate on their concept. The use of serverless technologies enabled them to develop a fully functional prototype with minimal overhead.
- **Scalable Infrastructure for Future Growth:** Built on AWS’s highly scalable architecture, TerraFirma’s platform is designed to grow alongside their business. The infrastructure ensures that as demand increases, their application can scale seamlessly without performance or cost concerns.
- **Optimized Financial Strategy:** AWS startup funding, coupled with Commit’s FinOps expertise, helped offset development costs and ensure efficient resource allocation. This strategic approach allowed TerraFirma to bring their solution to market faster while keeping financial constraints in check.

## RESULTS

The collaboration between TerraFirma, Commit, and AWS delivered substantial business and technological benefits:

- **Accelerated Time-to-Market:** Commit’s development expertise and AWS’s agile infrastructure allowed TerraFirma to quickly build and validate their prototype.
- **Seamless Scalability:** AWS Amplify and serverless architecture ensured that their platform could support future growth without resource constraints.
- **Optimized Costs & Secured Funding:** By leveraging AWS funding and Commit’s FinOps capabilities, TerraFirma minimized development expenses while securing critical investment.

Through this partnership, TerraFirma successfully transformed their vision into reality, positioning themselves as a leader in climate tech innovation. Their groundbreaking environmental risk assessment tool is now empowering stakeholders to make data-driven decisions that mitigate risk and drive sustainable development.



*“Choosing Commit as our cloud development partner was a no brainer! Not only do they understand AWS technology and ecosystem, but they also understand our industry and learned our product and vision quicker than I would have ever anticipated. The team is talented and flexible, which made the collaboration feel seamless”*

**Alejandro Mieses, CEO, TerraFirma**

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