Researchers supported by the Institute for Creativity, Arts, and Technology are developing an interactive 3D environment that will bring together data from multiple research locations, including water quality data, to produce more comprehensive models and analytics for community ecosystem monitoring, targeting ongoing research activities at Troubles Creek and the Catawba Sustainability Center. An interactive experience of the next-generation of flipped lab and Mirror World will be provided, where the internet becomes the means for people to connect with and participate in the stewardship and development of their ecosystem. Immersive technology combined with web, GIS, and real sensor data provides a unique view of 3D Virginia across scales.

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