

Driving Sustainability Through GIS: Empowering Science, Education, and Environmental Action

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SUMMARY

This presentation will showcase the powerful role of GIS in driving sustainability, advancing STEM education, and supporting scientific research. By working with K-12 schools, higher education institutions, and scientific organisations, I implement ArcGIS technology to promote real-world, hands-on learning and foster the next generation of innovators and problem-solvers. □□ Through case studies and examples, including projects with Brisbane City Council, Griffith University, AIMS, and NOAA, I will demonstrate how GIS empowers students, researchers, and decision-makers to address critical challenges such as climate impacts, environmental protection, and achieving the UN Sustainable Development Goals (SDGs). □□ This session will highlight the intersection of education, science, and sustainability, illustrating how GIS can create a skilled STEM workforce, support groundbreaking environmental research, and contribute to a more sustainable future.

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