

**The Hughes Science Pipeline Project
presents**

Distinguished Women in Science: A Lecture Series

**The Tenuous Balance Between Conserving Nature and Advancing
Human Welfare: Can Science Make a Difference?**

by

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James Room

Over the last few decades, many measures of human well-being have improved. These advances have been accompanied by expansion of agriculture, urbanization and other land use changes that compete with habitat for other species, protection of airsheds and watersheds, and other ecosystem services. Using remote sensing and field surveys, my research aims to identify scientifically-based approaches for land uses that can meet development objectives while maintaining ecosystem services. The lecture will discuss several examples, including landscape connectivity for wildlife in India and fires in Indonesia, as well as insights into how science can contribute to sustainable land use as the global population approaches 9 billion people.