LiDAR (Light Detection and Ranging) is a remote sensing method capable of penetrating overlying vegetation and forest canopies, imaging at very high spatial resolutions and with extraordinary accuracy. This is especially important for archaeology in areas with lots of trees. LiDAR proved fantastic for revealing the imposing structures and good for identifying most small houses, but all potential site locations must be validated in the field. As it turns out, LiDAR provides distinct advantages, for example for topography, but field surveys are required and the results need the archaeologist for the final interpretation of the data.

Dr. Ford has tracked the economic and spatial patterns of the Maya of El Pilar. Her current fieldwork is the LiDAR validation and archaeological survey of the site.

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