E-PHENOLOGY: THE APPLICATION OF NEW TECHNOLOGIES TO MONITOR PLANT PHENOLOGY AND TRACK CLIMATE CHANGES IN THE TROPICS

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The e-phenology is a multidisciplinary project combining research in Computer Science and Phenology. Its goal is to attack theoretical and practical problems involving the use of new technologies for remote phenological observation aiming to detect local environmental changes. It is geared towards three objectives: a) use of new technologies of environmental monitoring based on remote phenology monitoring systems; b) creation of a protocol for a Brazilian long term phenology monitoring program and for the integration across disciplines, advancing our knowledge of seasonal responses within tropics to climate change; and c) provide models, methods and algorithms to support management, integration and analysis of data of remote phenology systems. The research team is composed of computer scientists and researchers in phenology.

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