USA NATIONAL PHENOLOGY NETWORK: DATA, TOOLS, OUTREACH RESOURCES, AND MORE!

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TIME: 3:00-4:00 pm

LOCATION: ENR2, S215

ABSTRACT: Phenology, or the timing of seasonal event in plants and animals including leaf-out, flowering, fruit drop, migration, and molting, varies from year to year and from place to place. Information regarding when species will undergo phenological changes can be of great benefit to scientists and managers both for making short-term (seasonal) decisions as well as adapting to longer-term changes. The USA National Phenology Network (USA-NPN; www.usanpn.org) serves science and society by making a wide range of data collection resources and data products for research and decision support available to organizations aiming to better understand, prepare for and respond to climate change impacts. In this presentation, I will introduce Nature’s Notebook, a citizen science phenology observation program of the USA-NPN, and briefly share how hundreds of organizations across the country are using it to collect and manage local phenology information to guide management actions. I will also describe the phenology data, data products, and tools offered freely by the USA-NPN to support management decisions. The National Phenology Database maintained by USA-NPN now has nearly 10 M records for plants and animals for the period 1954-2016. USA-NPN also offers historical and contemporary maps of spring onset and accumulated growing degree days at fine spatial resolution (2.5km), updated daily. The data and data products offered by the USA-NPN can be explored online via a range of interactive tools and have resulted in nearly 30 peer-reviewed papers to-date and have been the focus of abundant recent media.