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National Ecological Observatory Network (NEON) and e-infrastructures

Wednesday, 18 September 2013 09:00 (45 minutes)

The rapid pace of large-scale environmental changes around the globe has underscored the value of accessible long-term data sets for understanding the context of scientific observations, and for forecasting future conditions for societal benefit. We are also entering an era of large-scale, interdisciplinary science fuelled by large data sets that will be analysed by current and future generations of scientists. Natural, managed, and socio-economic systems are subjected to complex interacting stresses that play out over extended periods of time and space. Here, we provide the emergent science perspective and rationale for Environmental Observatories, and the challenges they face in developing e-infrastructures for advancing both management and the scientific frontier.

Description of Work

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Wider Impact of this Work

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Session, double-session

NA

Printable Summary

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Session Classification: Plenary Session