In order achieve this accurate mathematical/statistical models are needed. By unfolding the systems in a quantifiable manner, their behaviour can be better demonstrated, and hence inaccessible properties can be better predicted that might not be evident to the experimenter.

Systems biology is another emerging field that aims at system-level understanding of biological systems. Cybernetics, for example, aims at describing animals and machines from the control and communication theory. Unfortunately, molecular biology has just started, so that only phenomenological analysis has been possible. It was only recently that system-level analysis can be grounded on discoveries at molecular-level. With the progress of genome sequence project and range of other molecular biology project that accumulate in-depth knowledge of molecular nature of biological system. Although systems are composed of matters, the essence of system lies in its dynamics and it cannot be described merely by enumerating components of the system. A holistic approach is urgently warranted for the robust understanding of the system component interactions.

Unified knowledge of system biology, theoretical biology and sustainable yield can be achieved through amalgamating the present day knowledge and tools. Various organizational fields like “Ecology”, Genetics, and Molecular biology needs amalgamated to avidly manage and preserve the biodiversity of the organisms, its Gene pool and to nurture and protect species from extinction.

The India Biodiversity Meet annually is a conglomerate of serious trendsetters to achieve this noble cause through international and indigenous forum exchanges and debates on the current burning issues related to the various components and advancements made in this direction.
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presentation: October 15, 2014

Weather prediction
Mean temperature: ~ 26°C
Humidity: ~ 50 %
Rainfall: not expected

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