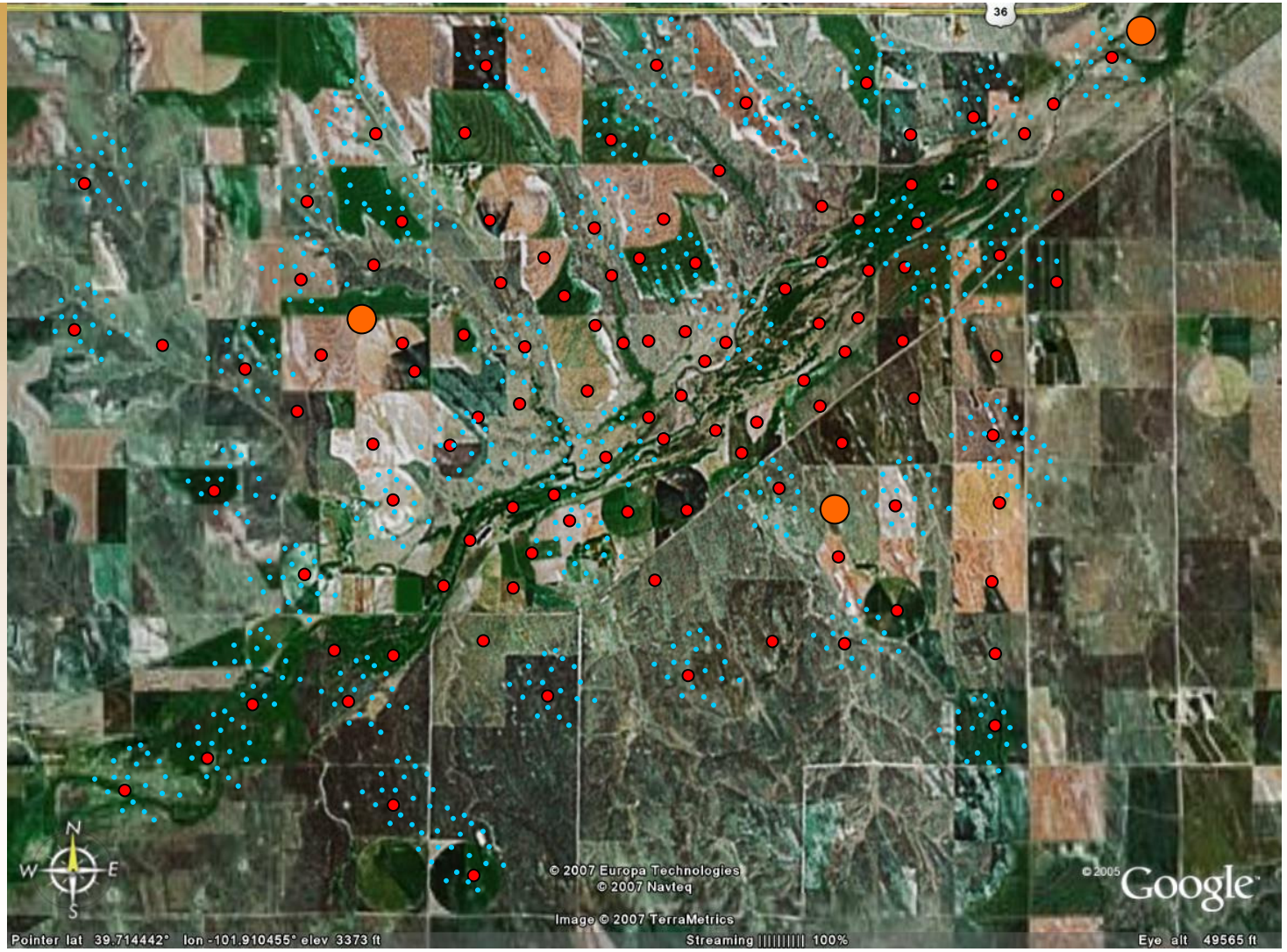
Figure 1

The future of ISFF?: 100 node Networked Environmental Sensing Array Facility (NESAF) deployment encompassing ecology, boundary layer, agriculture and forest meteorology, hydrology

Example: St. Francis, Kansas, Republican River Riparian/Agric Zone



NCAR

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Figure 2

Prototype geoscientific networked sensor array (NESAF) node

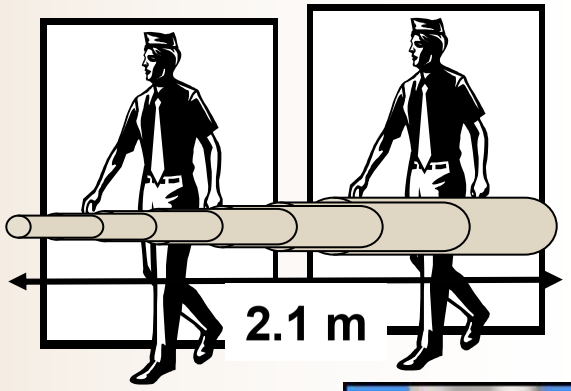
Fully extended

10.3 m

Lightweight, modular boom

Auto power-on, auto-transmit
(here a mini-sonic anemometer)

Retracted
2.1 m









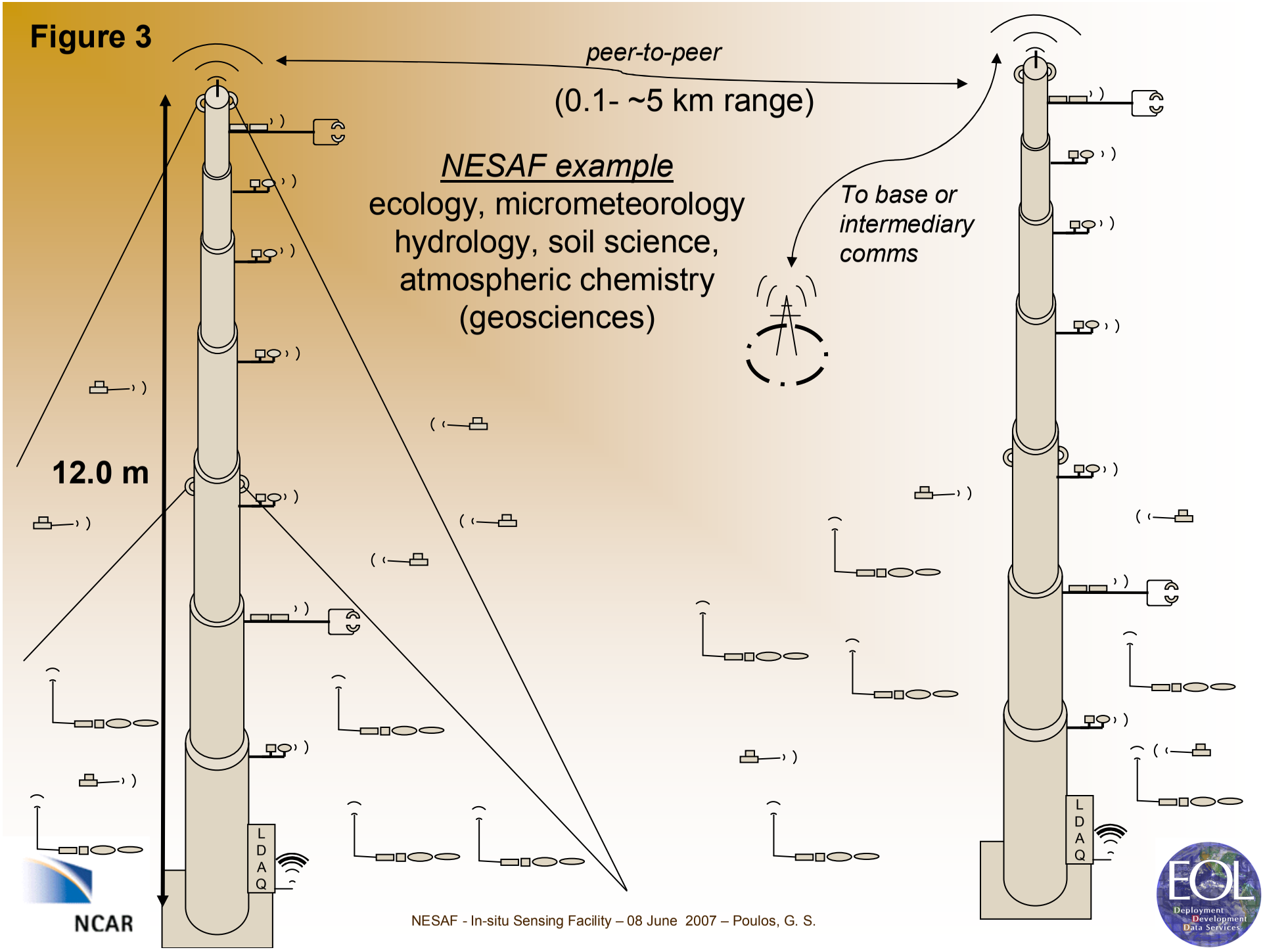


Broad scientific effectiveness and deployment simplicity will be derived from multi-sensor integration, modularity and height independence.

Envision 100-300 such towers

NCAR

Figure 3



NCAR

EOL
Deployment
Development
Data Services