Urban Long-Term Ecological Research

於Phoenix或Baltimore的研究架構來整合IPCS的研究

•        CAP LTER： The Central Arizona–Phoenix LTER

•        *How do the services provided by dynamic urban ecosystems and their infrastructure affect human outcomes and behavior, and how do human actions affect patterns of urban ecosystem structure and function and, ultimately, urban sustainability and resilience?*

•        BES：The Baltimore Ecosystem Study

目前Urban Long-Term Ecological Research

強調Human and Ecology整合實時行Long-Term Social-Ecological Research (LTSER)

可以說包含自然科學及社會科學兩個面向

如Phoenix LTER

Baltimore

the Baltimore Ecosystem Study (BES)
Human Ecological System (HES)

運用Press–pulse dynamics framework (*PPD*)進行研究

**GOALS**:

主要在尋求6個假設問題

•        How do long-term press disturbances and short-term pulse disturbances interact to alter ecosystem structure and function (H1)?

•        How can biotic structure, including built structure, be both a cause and consequence of ecological fluxes of energy and matter (H2)?

•        How do altered ecosystem dynamics affect ecosystem services (H3)?

•        How do changes in vital ecosystem services alter human outcomes (H4)?

•        How do changes in human perceptions and outcomes affect human behaviours and institutions (H5)?

•        Which human actions in fl uence the frequency, magnitude or form of press and pulse disturbance regimes across ecosystems and what determines these actions (H6)?

**REQUIREMENTS**: no.