

## Demography and Economics

- Delineation of key SGP farm systems
- Distribution of farm types across the landscape and region
- Diverse enterprises and market options
- Valuing ecosystem services

## LTAR-GRL-SGP

## Landscape/Hydrologic Function

- Production, productivity
- Land use/management and change
- Woody encroachment impacts and management
- Disturbance regimes, biodiversity
- C, N, H<sub>2</sub>O, GHG budgets and fluxes
- Evaluation and monitoring tools

Extension  
Noble Foundation  
TIAER  
NGOs  
Private sector

Scenarios  
Data  
Maps

Knowledge  
Interactions,  
Models, tools  
Scaling in time and space

Universities  
NEON, LTER  
CEAP  
USGS

***Agro-Ecological Processes***  
**Resilience/Sustainability**  
**Multiple Stakeholders**  
**Multiple Scales and Objectives**

***Socio/Economic Processes***

Values  
Goals  
Scenarios  
Plans

Private sector  
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CEAP  
NRCS  
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NOAA  
DOI Climate  
Science Centers  
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## Climate

- Climate variability and change
- Climate scaling across field, watershed, and regional scales
- Adaptation and mitigation strategies

## Planning and Communication

- Engage in stakeholder-driven processes
- Test agricultural and conservation planning tools.

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GPANR  
CRIS Projects

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FLPR

CRIS Projects

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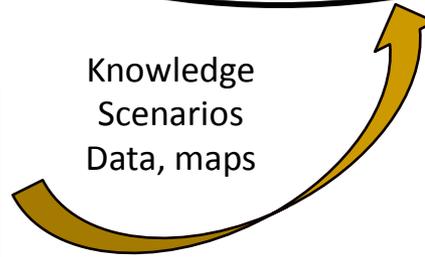
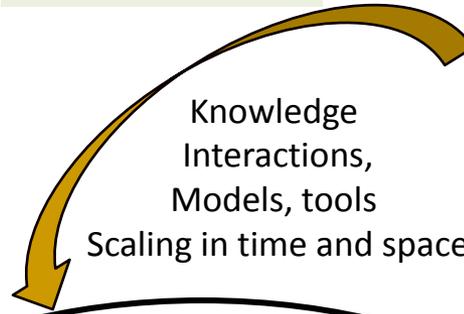
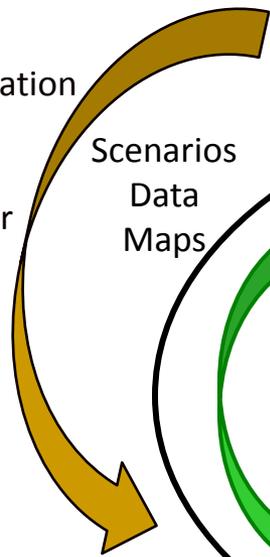
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Pasture  
CEAP

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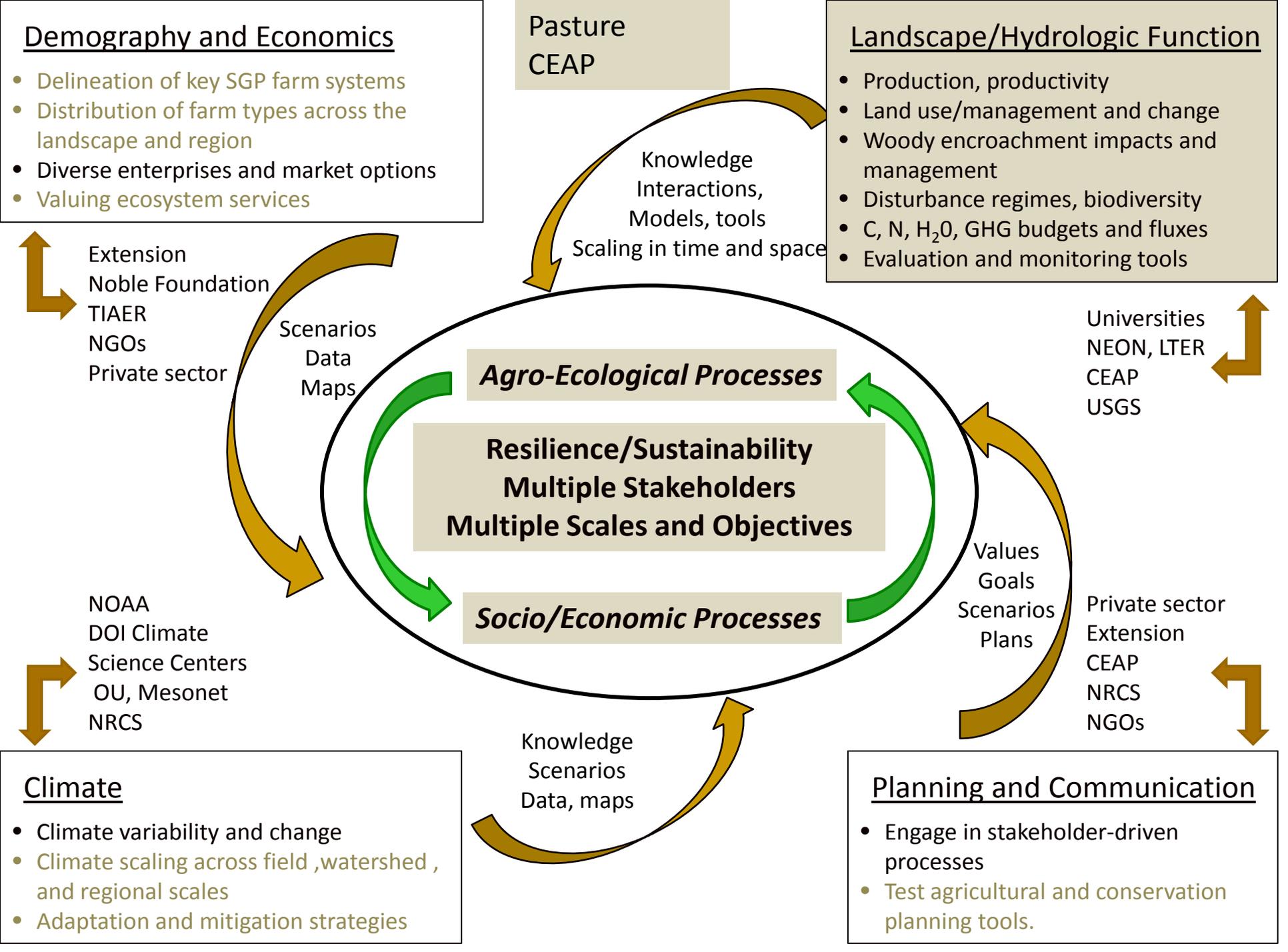
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AFRI-CAP  
SGP Grazing

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