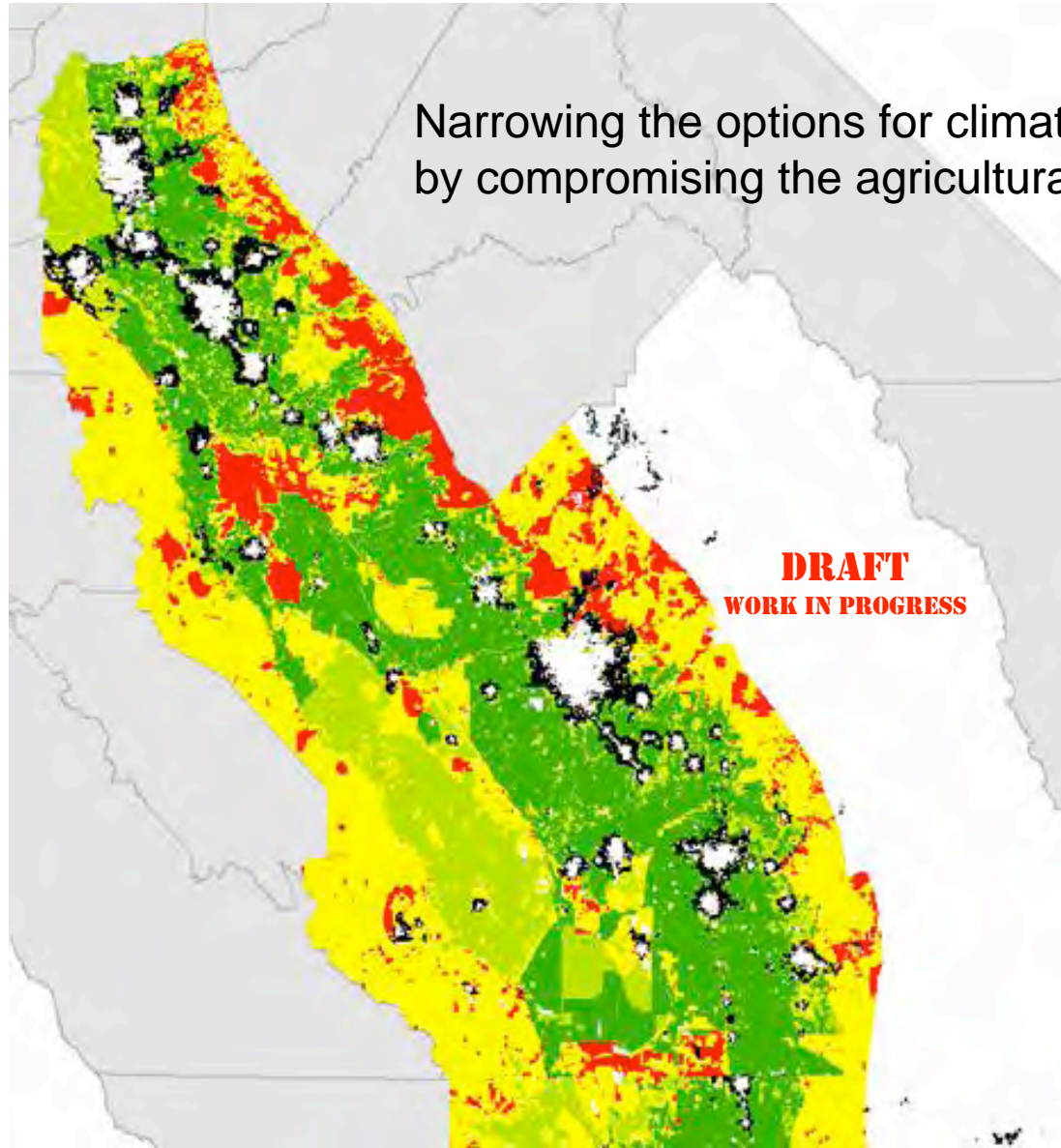


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Narrowing the options for climate adaptation by compromising the agricultural land base?



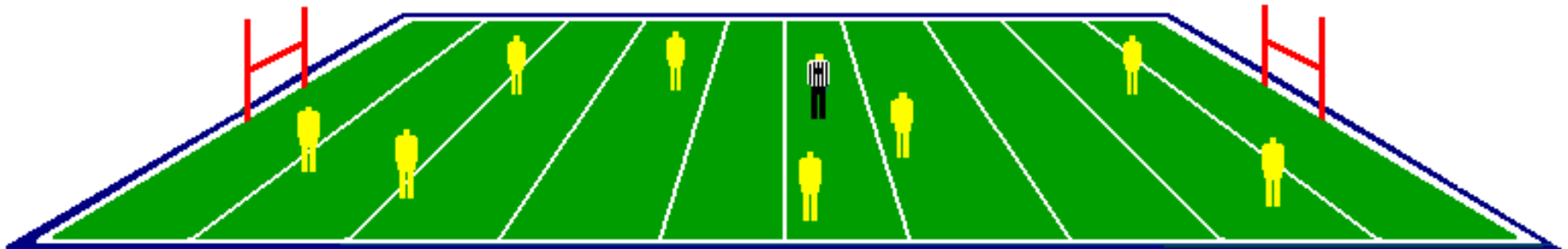
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Challenge: Urban sprawl is contributing to needless farmland conversion and climate change

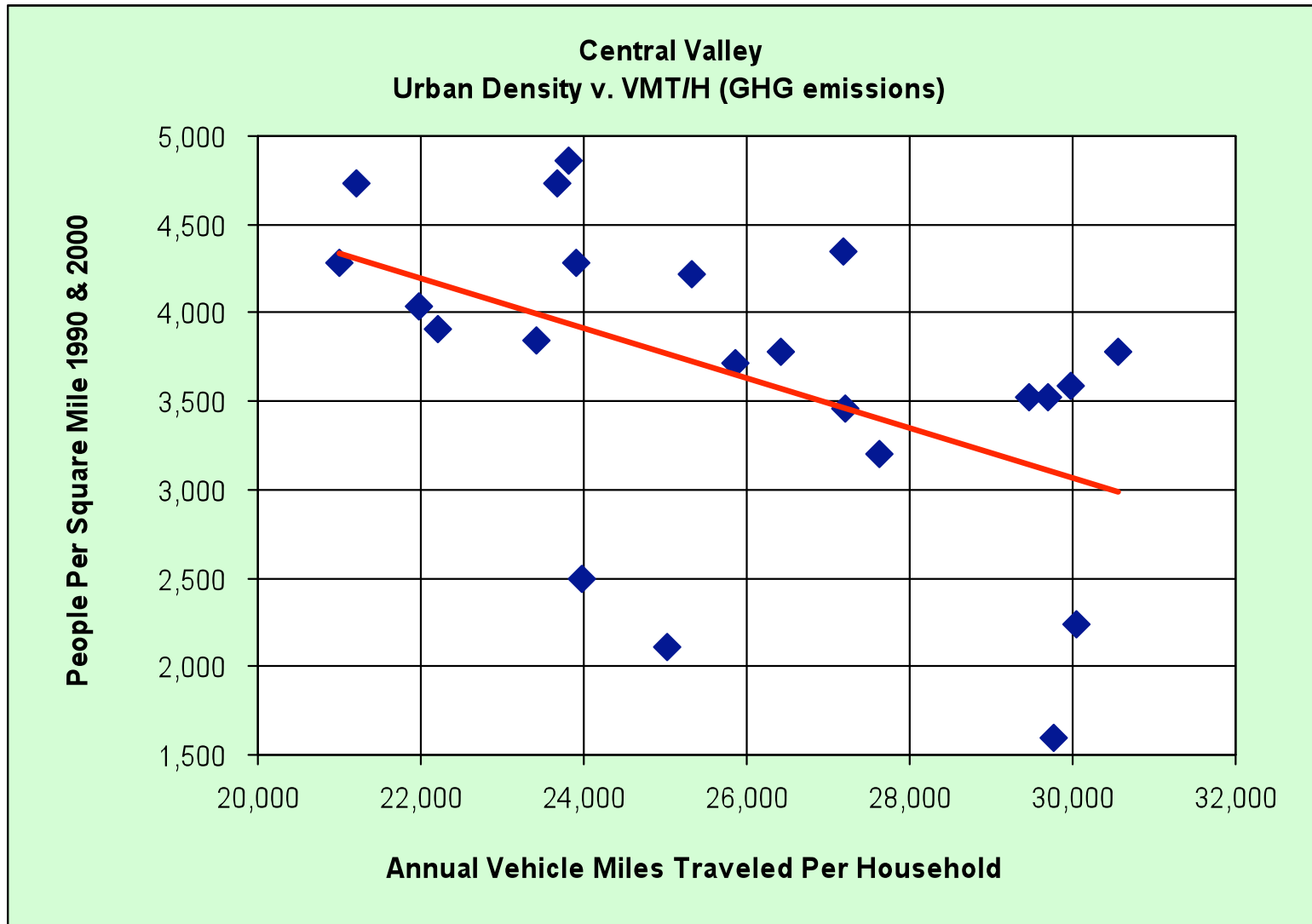


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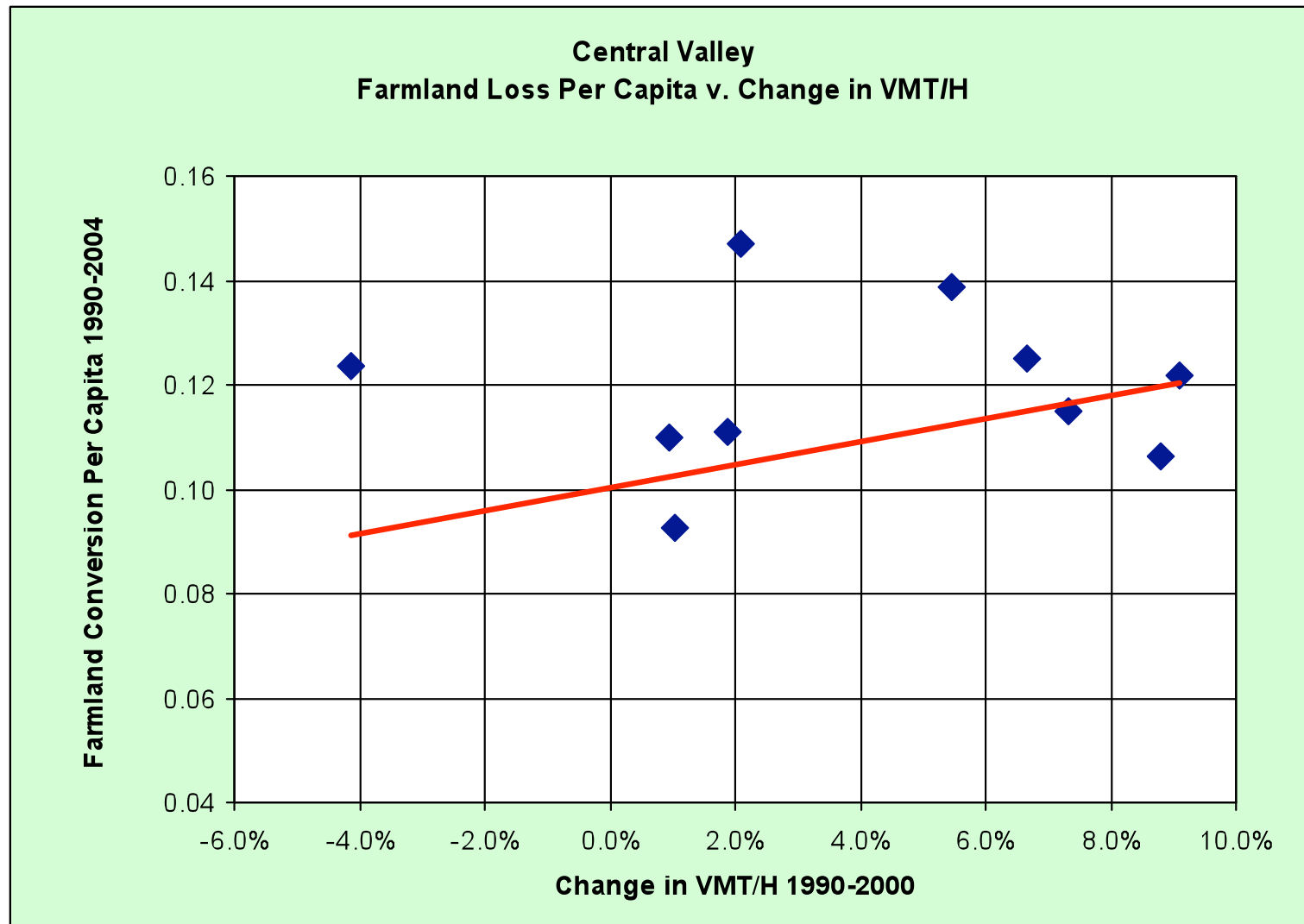
Recent California development trend:
9+ people per acre



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Solutions For Agriculture & Climate

➤ Increase development efficiency



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Comparison of San Joaquin Valley Blueprint Scenarios

	Status Quo	County Preferences	Smart Growth
Average Residential Housing Density (Dwellings/Acre)	4.3	6.8	10.0
Low-Density Housing as Percent of All Residential Development in Medium-Size Cities	80%	60%	40%
Total Land Developed (Acres)	533,000	354,000	268,000
Farmland Lost	327,000	209,000	153,000
Environmentally Sensitive Land Impacted	224,000	139,000	117,000
Energy Consumption (Billion Residential KWH/Year)	14.8	13.8	12.0
Vehicle Miles Traveled (Million/Year)	240	233	226
Greenhouse Gas Emissions (Million Tons/Day)	12.1	11.4	9.7

36%

53%

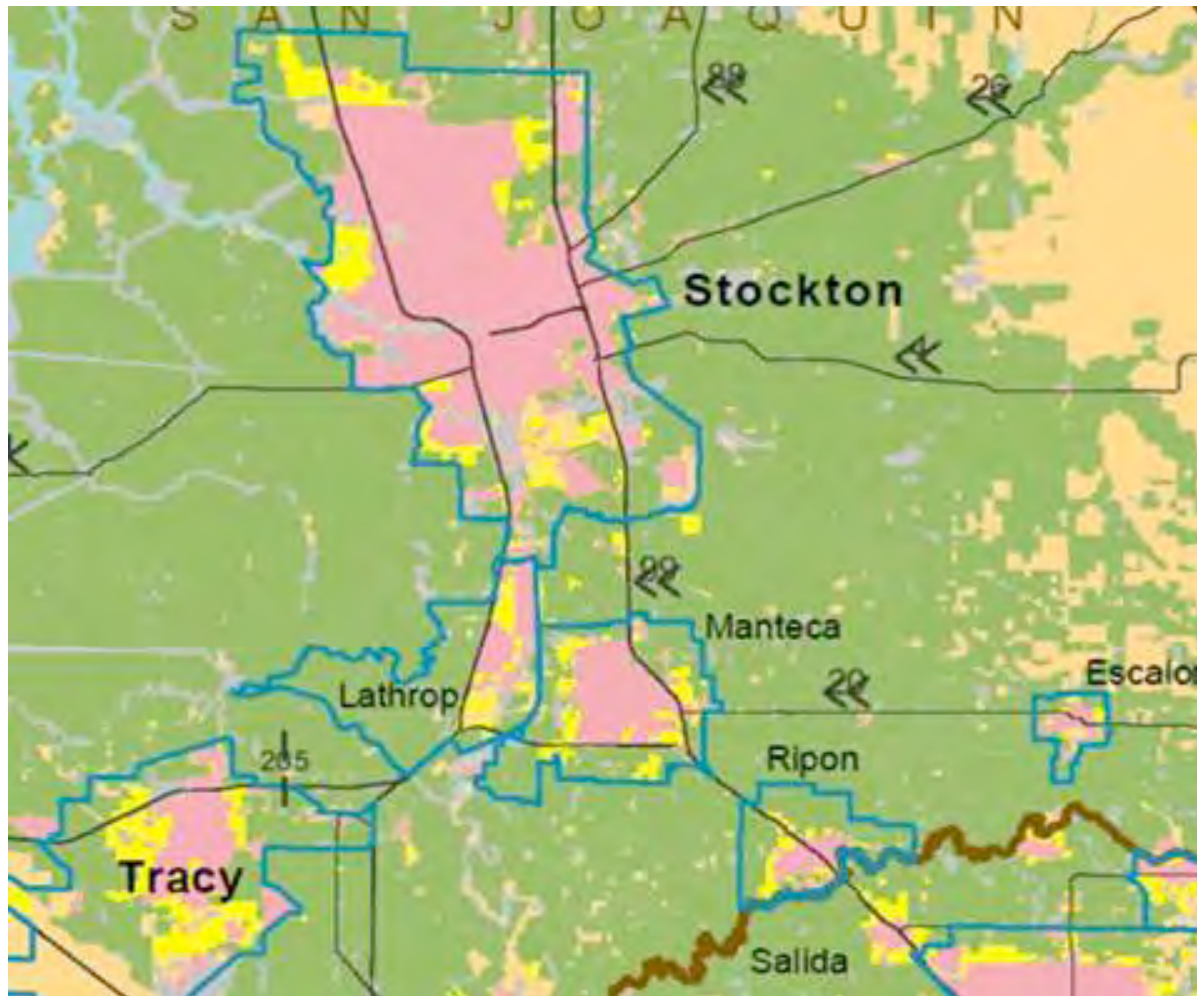
SB 375?

6%

20%

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Challenge: No apparent limits to urban expansion



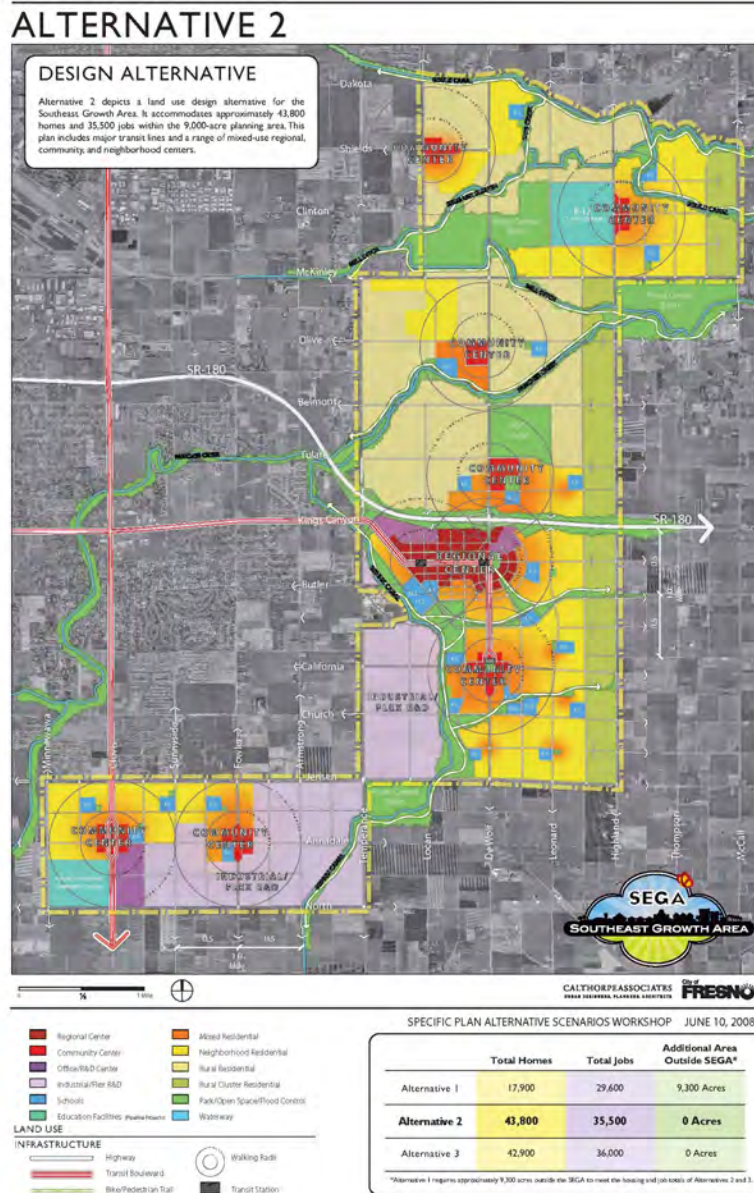
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- Increase development efficiency
- Local food incubators as UGBs



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City of Fresno Southeast Growth Area

Perimeter Local Ag Incubator

- Save farmland
- Reduce VMT
- More Local Food
- Reduce “FMT”
- Green UGB stops spiral of sprawl

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Challenge: Unlike climate change, we do not know how much farmland loss is tolerable

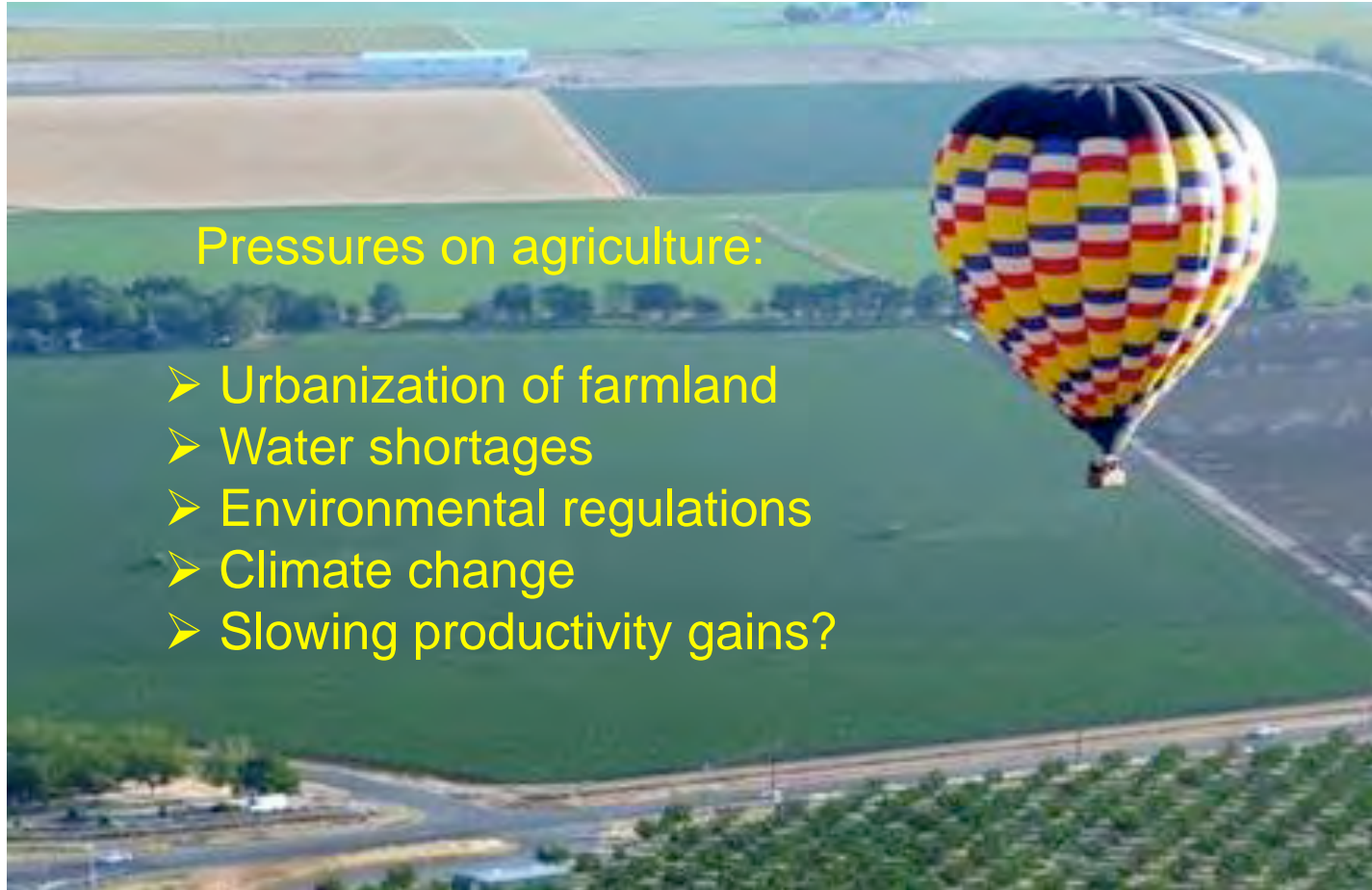


How much is needed for ...

- Feeding a growing population
- Alternative energy sources
- Wildlife habitat
- Clean watersheds
- Climate adaptation
- Other uses?

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Challenge: Unlike climate change, we do not know how much farmland loss is tolerable



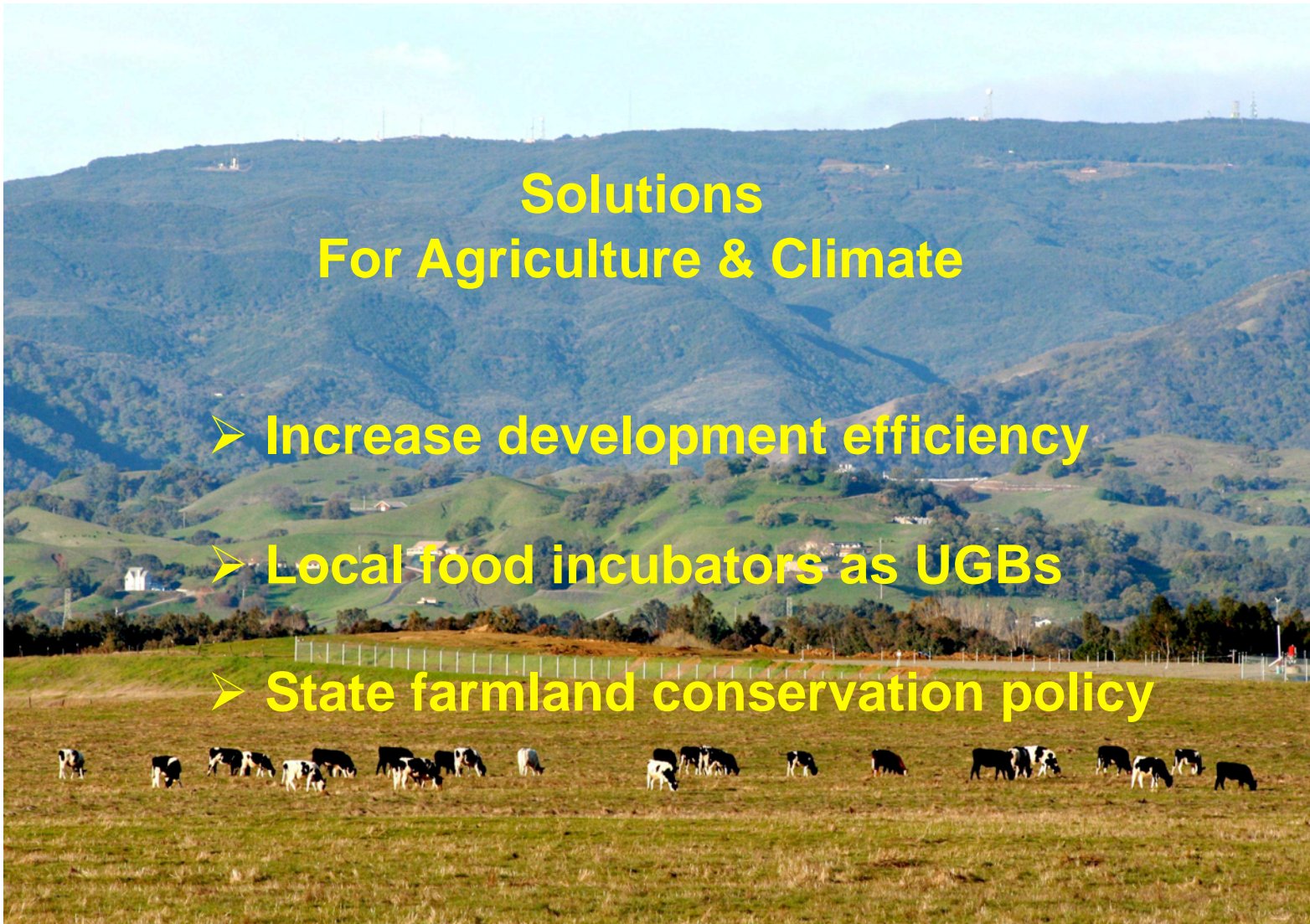
Pressures on agriculture:

- Urbanization of farmland
- Water shortages
- Environmental regulations
- Climate change
- Slowing productivity gains?

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Solutions For Agriculture & Climate

- Increase development efficiency
- Local food incubators as UGBs
- State farmland conservation policy



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Elements of a California Farmland Conservation Policy

- Inventory & analysis of land needs
- Statewide conservation goal
- Regional targets (RTAC II?)
- Incentives for local implementation
- Funds for planning & conservation



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