## **Overview of Regional Growth Forecasting**

For Connect SoCal 2024

Gigi Moreno, PhD and Kevin Kane, PhD Department of Sustainable and Resilient Development Demographics and Economic Growth Unit May 25, 2022

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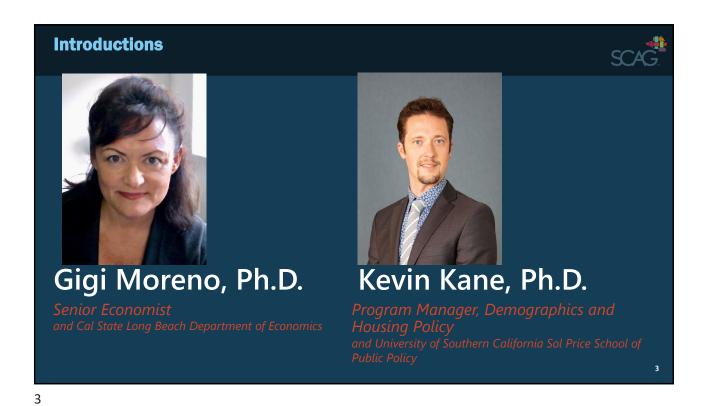


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## **Presentation Outline**



- Model Overview
- Region and County Demographic Projection Methods
- Region and County Economic Projection Methods
- Small Area Projection Methods



Envisioning 2050

Births & Deaths

Economic Base compared to other places

Technical Process

Expert Informed

Basis for Subsequent Policy & Strategy Development

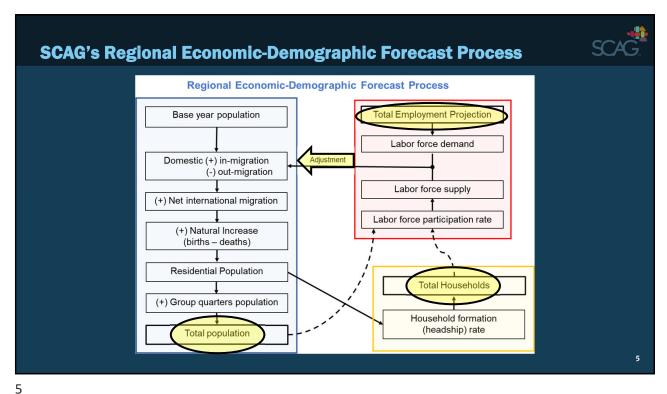
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Technical Process

EMPLOYMENT

FOR HOUSEHOLDS

POPULATION

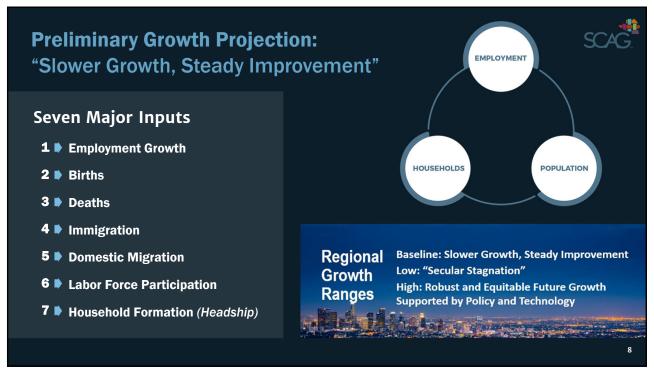


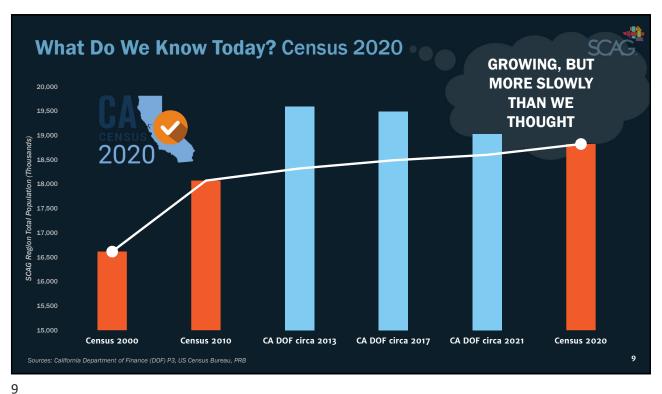




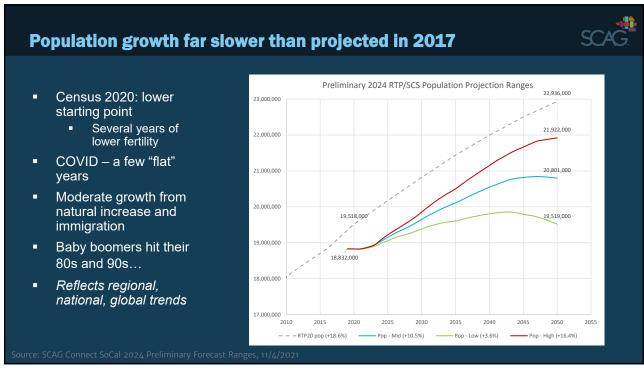
- Experts in economics and demographics
- Pre-meeting survey
- Two 3-hour discussions in August 2021

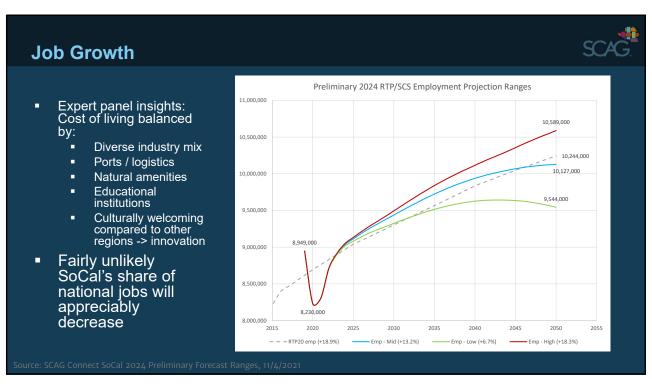
Name	Affiliation
Billy Leung	Regional Economic Models, Inc.
Dan Hamilton	California Lutheran University
Deborah Diep	Cal State Fullerton, Center for Demographic Research
Dowell Myers	University of Southern California
Jerry Nickelsburg	UCLA Anderson Forecast
John Husing	Economics & Politics, Inc.
John Weeks	San Diego State University
Mark Schniepp	California Economic Forecast
Michael Bracken	Development Management Group, Inc.
Richelle Winkler	Michigan Technological University
Simon Choi	Chung-Ang University
Somjita Mitra	California Dept. of Finance, Economics Research Unit
Wallace Walrod	Orange County Business Council
Walter Schwarm	California Dept. of Finance, Demographic Research Unit

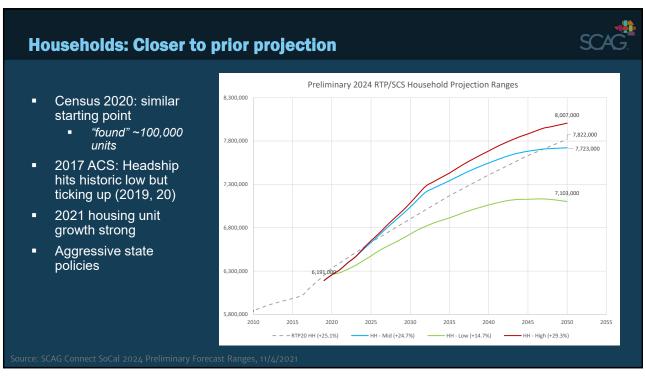


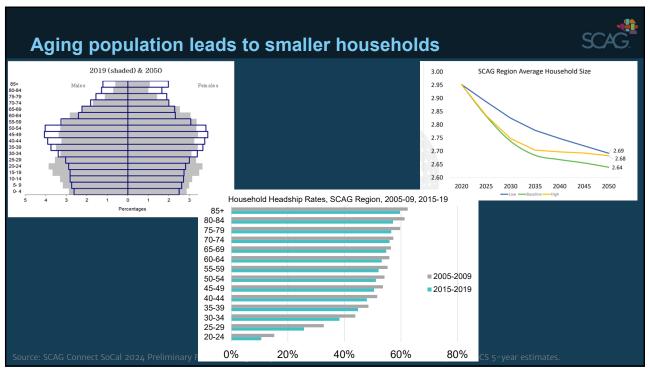


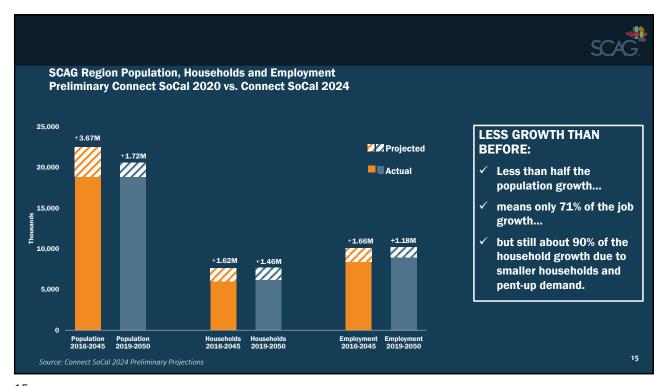
Factor	Mid/Baseline	Low	High
Births	1.5 births/woman	1.4 births/woman	1.6 births/woman
Deaths	Stable rates (2019)	Same	Rates decline through equity improvements
Net Migration	Net int'l is high, net out migration moderate	Net int'l is low, net out migration continues	Net int'l. Is high, net out is low
Labor Force	Slight increase from 2019	Same	Same
Household Formation	Most groups return to 2005- 07 levels.	No improvement (2015- 19 levels; historic low)	Most groups return to 2005–07 levels.
Economic Competitive- ness	Region remains competitive and innovative, climate change has no net effect on growth	Climate change & high relative cost of living are challenges	Region captures a larger share of U.S. jobs, climate resilience and easing cost of living encourage growth

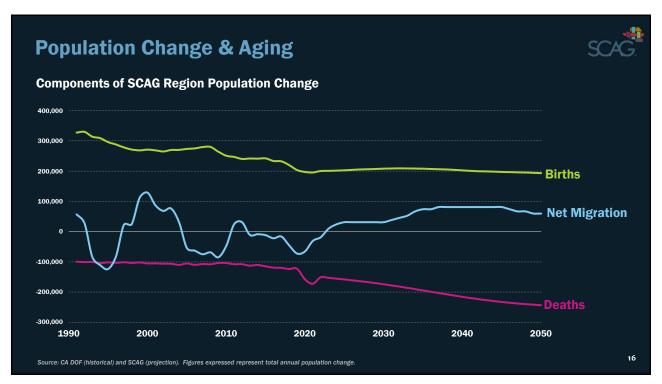


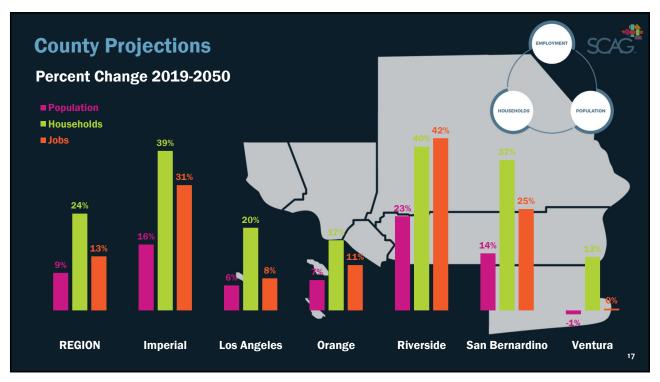


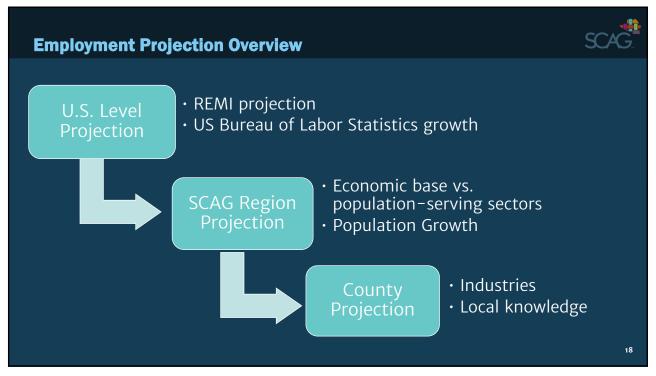


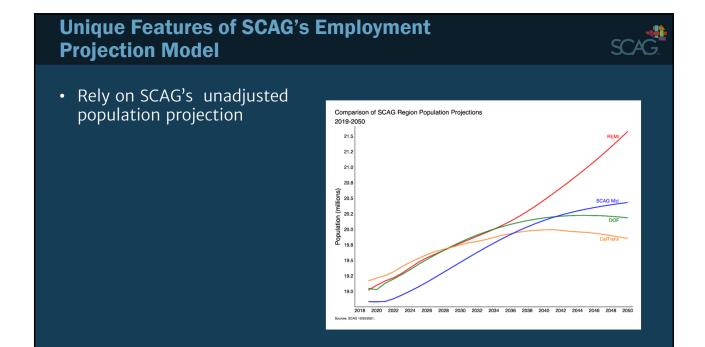


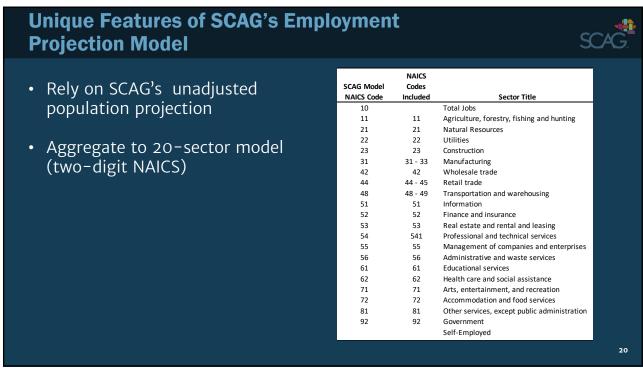


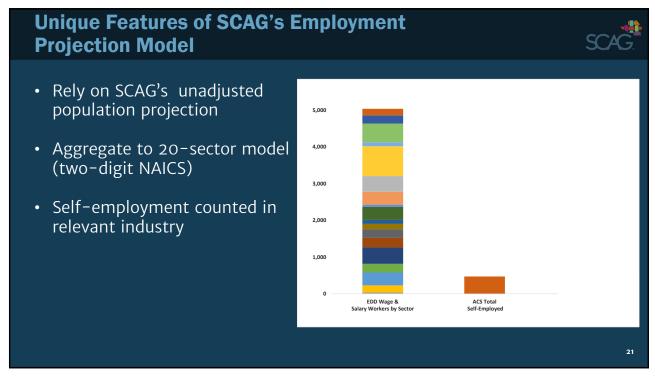


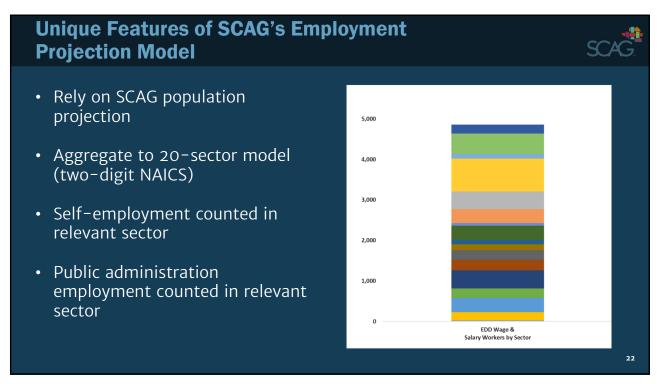


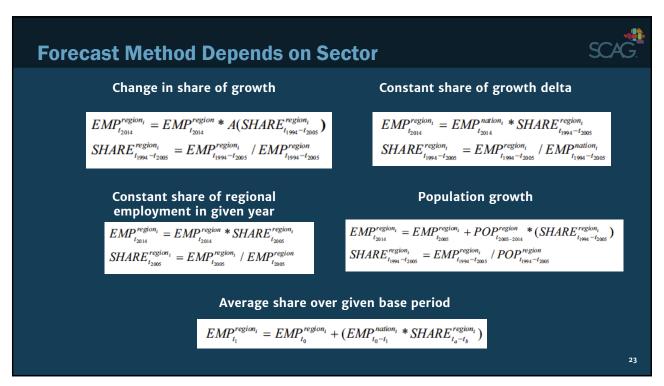


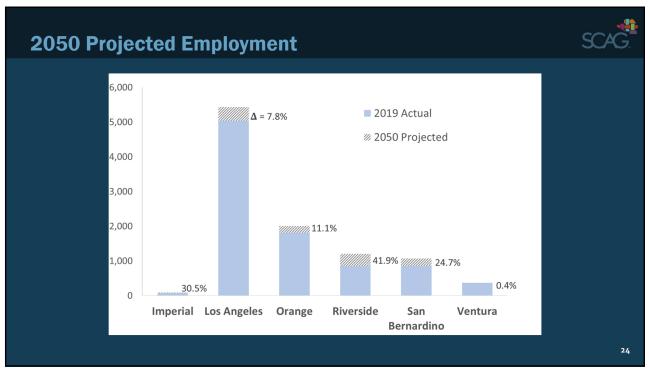


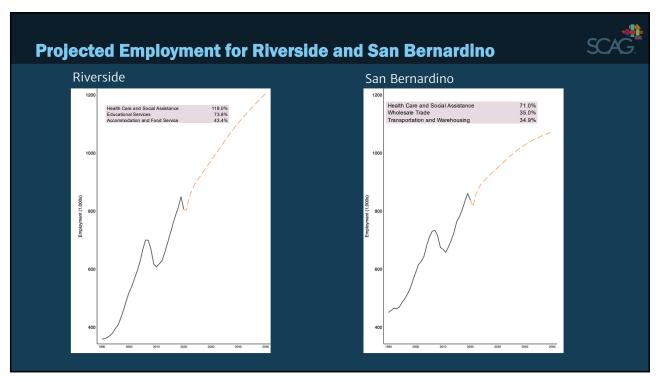


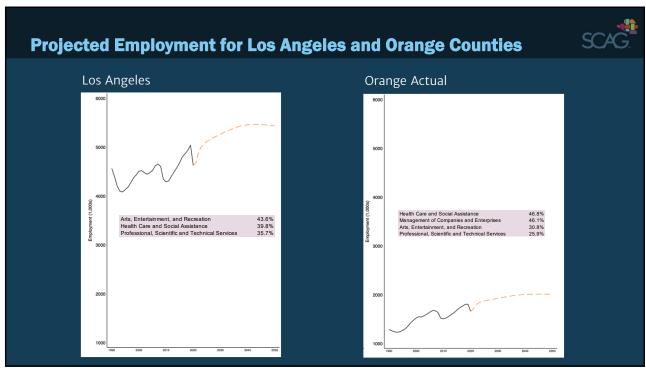


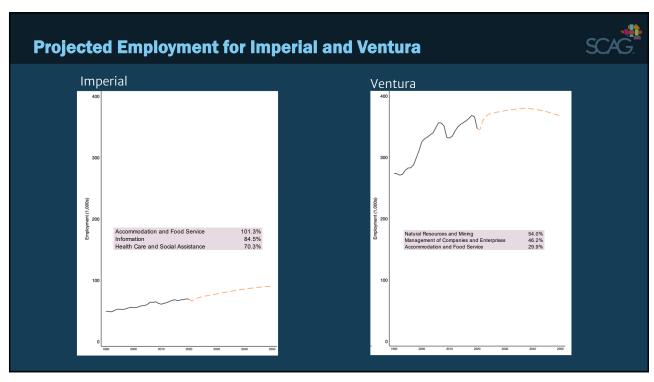


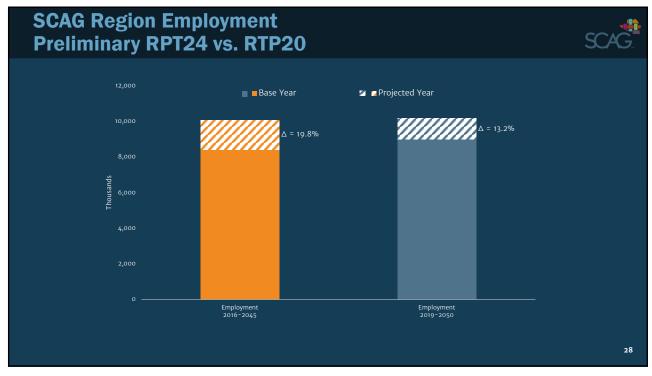






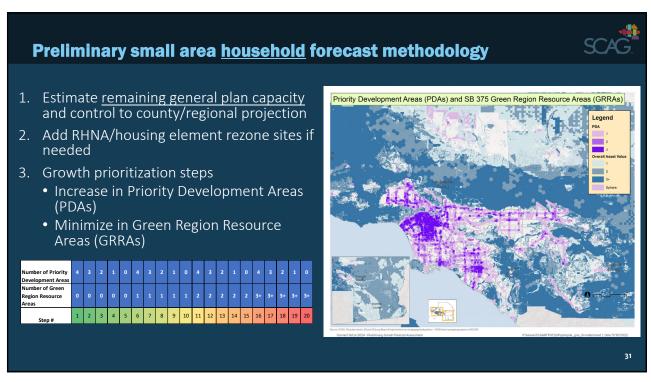








SCAG Data/Map Book and RDP LDX Web Contents					
CATEGORY	LAYER NAME	REVIEW TYPE	CATEGORY	LAYER NAME	REVIEW TYPE
Land Use	General Plan	Update/Corrections	Green Region Resource Areas (SB 375)	Resilience (Flood areas, coastal inundation, wildfire risk)	Reference Only
	Zoning	Update/Corrections		Open Space/Habitat (Open space	
	Existing Land Use	Update/Corrections		and parks, endangered species	
	Specific Plan Land Use	Update/Corrections		and plants, sensitive habitat	Reference Only
	Key Entitlements	Update/Corrections		areas, natural community and	
Priority Development	Neighborhood Mobility Areas	Optional		habitat conservation plans)	
	Livable Corridors	Optional		Administrative/Working Lands (Tribal nations, military	Reference Only
	Job Centers	Optional		installations, farmlands)	Reference Only
	Housing Trajectory	Update/Corrections and site inventory upload	Geographical Boundaries	City Boundary and Sphere of Influence	Reference Only
	High Quality Transit Areas	Reference Only		Census Tract	Reference Only
Transportation	Transit Priority Areas	Reference Only		TAZ (Tier2)	Reference Only
Transportation	Regional Bikeways	Optional		Jurisdiction-level projections of	Update/ Corrections
	Regional Truck Routes	Optional		households and employment (2019, 2035, 2050)	
PDF versions are available through Data/Map Books and digital versions are be available to local jurisdictions through their RDP LDX login.			Preliminary Growth (SED)	Tier 2 TAZ-level projections of households and employment (2019, 2035, 2050)	Update/ Corrections



## Preliminary small area employment forecast methodology



- Estimate the base year employment
  - > Apply EDD and Infogroup data for jurisdictional and TAZ level estimates
  - > Control to the county level estimates
- Allocate county level growth to jurisdictions
  - > Calculate the past share of city growth to the county
  - Apply the above share to the county level growth projections
- Disaggregate jurisdictional level growth to TAZ
  - Calculate the past share of TAZ level growth to the city
  - > Apply the above share to the city level growth projections

New data and county/regional totals, but same <u>approach</u> as Connect SoCal 2020.

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## Resources

Connect SoCal 2020: <a href="https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal\_demographics-and-growth-forecast.pdf">https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal\_demographics-and-growth-forecast.pdf</a>

County & Regional Forecast: https://scag.iqm2.com/Citizens/FileOpen.aspx?Type=14&ID=2286&Inline=True#page=51

2024 Local Data Exchange: <a href="https://scag.ca.gov/local-data-exchange">https://scag.ca.gov/local-data-exchange</a>

 $\frac{Preliminary\ Allocation\ Methodology:\ \underline{https://scag.ca.gov/sites/main/files/file-attachments/twg051922fullagn.pdf\#page=6}$ 

Regional Data Platform: <a href="https://hub.scag.ca.gov">https://hub.scag.ca.gov</a>

Kevin Kane, PhD Program Manager, Demographics and Growth Vision

www.scag.ca.gov

