# Emerging Technology and the Future of the Workplace

## An overview of recent SCAG initiatives and research findings

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## **Today's discussion**



- Link emerging technology discussion more closely with:
  - Aspects of SCAG's 2020 RTP/SCS (Connect SoCal)
  - Trip replacement potential
  - Changing nature of the workplace
  - Not comprehensive touches on *some* of these
- Outline
  - Telecommuting
  - Co-working spaces
  - E-commerce & infill potential
  - Replacing other types of trips
  - Automation potential and the gig economy
- This comes from:
  - Research & Analysis in-house work
  - SCAG Future of the Workplace consultant project

## **Telework in the SCAG region**



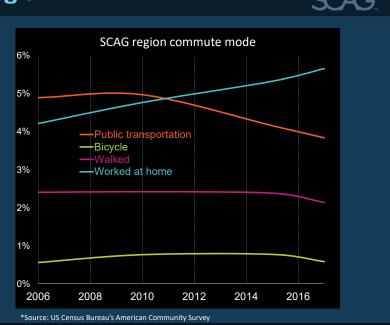
- Long history in regional planning
- Segmented into:
  - Telecommuters
  - Home workers
- Deep dive into data to support regional plan assumptions

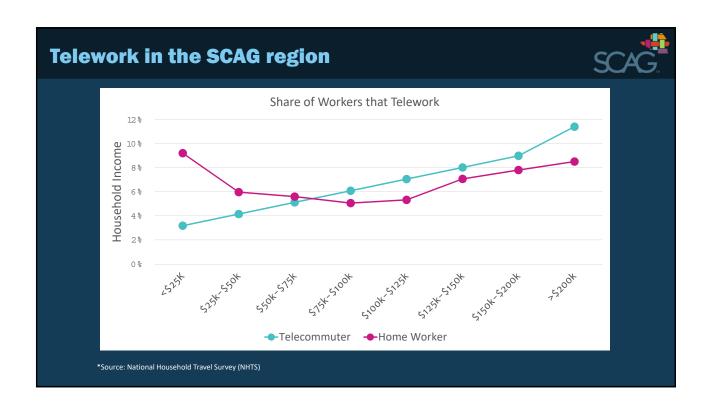


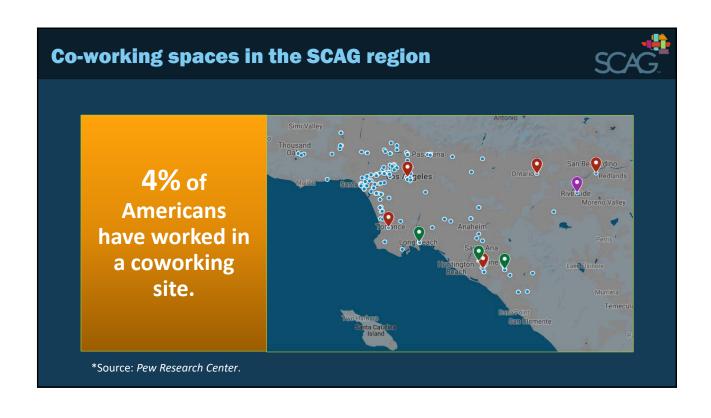
## **Telework in the SCAG region**



- Technology enables more working from home
- Increasingly promoted by employers
- Fastest growing commute mode





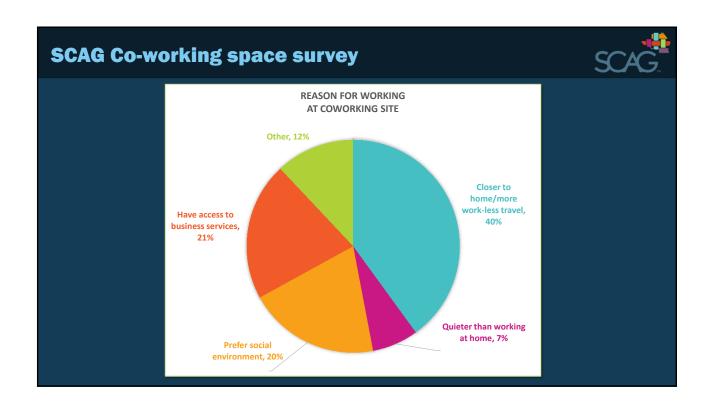


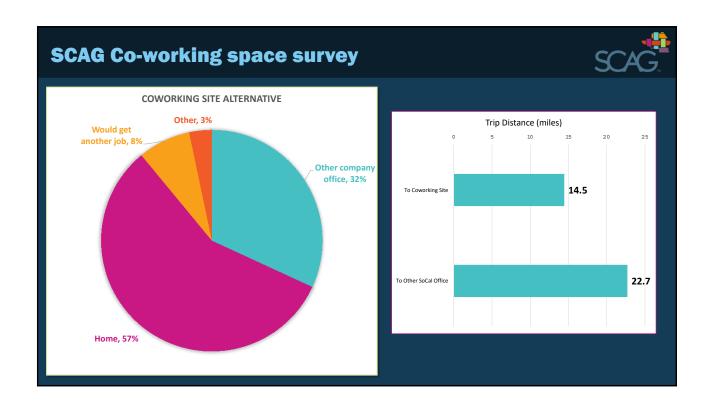
## **SCAG Co-working space survey**



- 273 co-working space users at 10 sites across the region
- Sites:
  - WeWork (3)
  - Regus (6)
  - Mind & Mill (1)
- Asked about travel patterns and employment characteristics
- Focus: trip-reduction potential

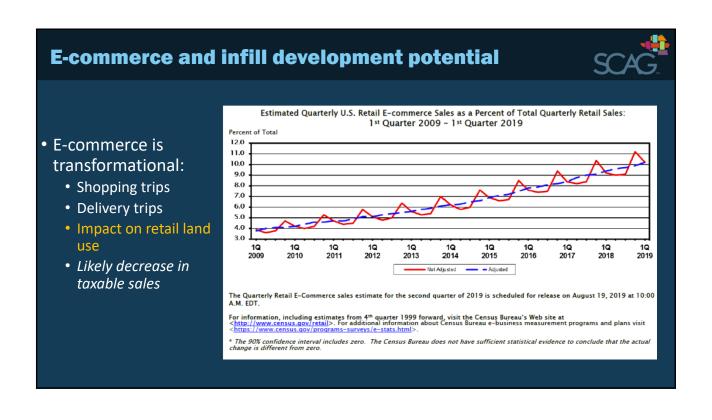


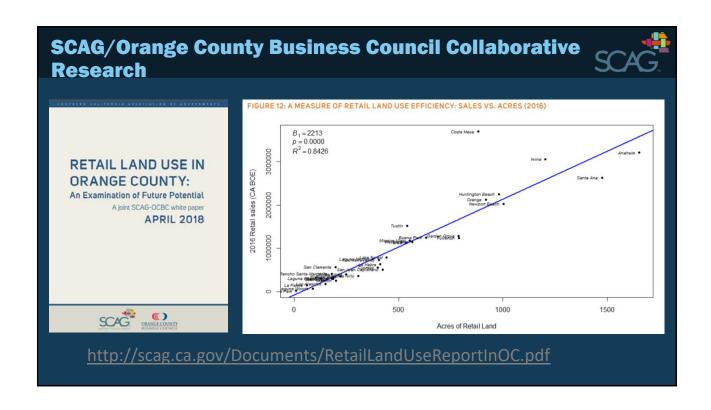


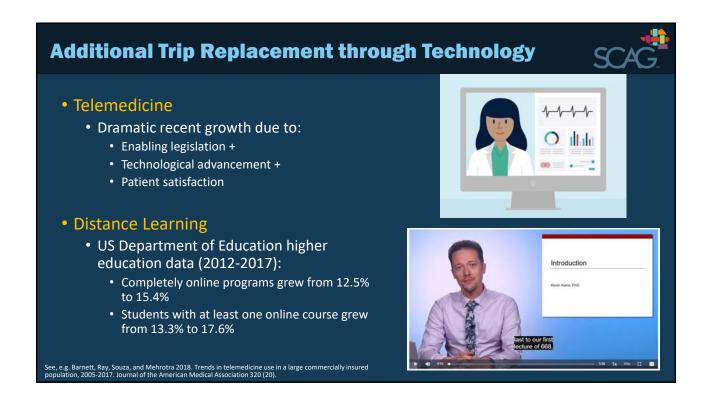


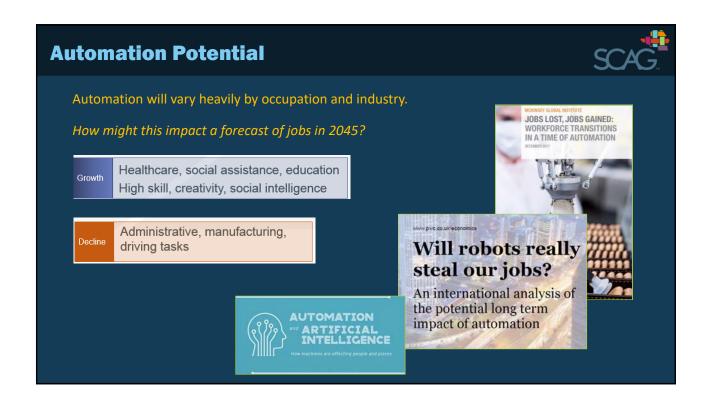


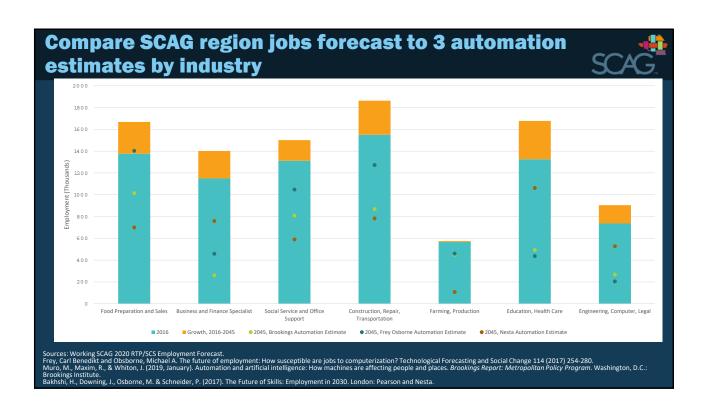
# Developing potential strategy for Connect SoCal VMT/GHG benefits limited to long-distance commuters in key industries Focus likely on promoting co-working in job centers SCAG Region Proposed 2020 RTP/SCS Job Centers Total Employment 1 (2011-20.001(17) 0 (2011-20.001(10)) 0 (2011-20.001(10

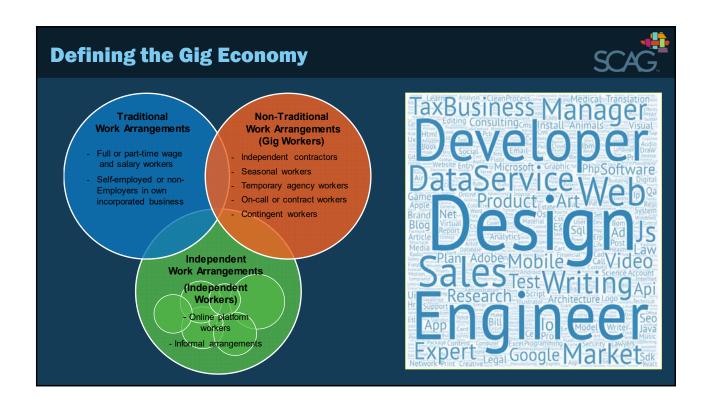


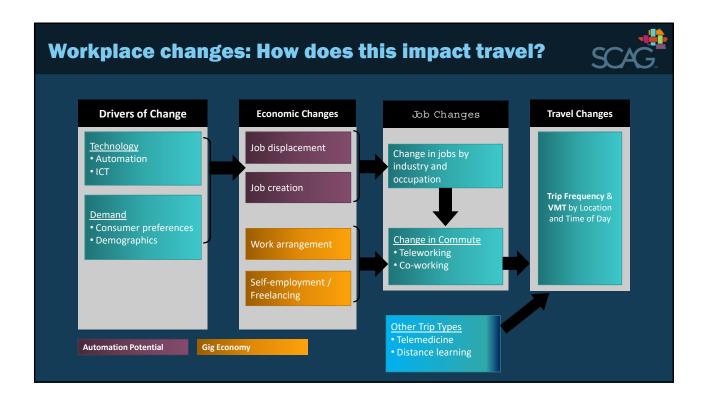












## **SCAG Future Communities – Related Opportunities**



### Data Science Federation

- SCAG + City of LA partnership
- Links cities/agencies with local university partners to complete 6-12 month "shovel ready" data science projects
- http://dsf.lacity.org
- Contact <a href="mailto:kane@scag.ca.gov">kane@scag.ca.gov</a> ASAP if your city has a project idea for 2019-2020

## SCAG Data Science Fellows

- Collaboration with Partners for Better Health
- SCAG recruits and helps fund graduate student fellows with a data science specialization
- 2019: LA County Public Works, City of Santa Ana, & SCAG
- Open application link for cities and prospective fellows: <a href="http://p4bhealth.org/get-involved/">http://p4bhealth.org/get-involved/</a>

## Thank you

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