

CELab Think-Tank Charrette: October 2018

Mission

The CELab is a think tank focused on new ways to develop economies, talent and reduce poverty in the era of acceleration. The CELab specializes on the wicked problems that seem to be neglected by other institutions. This charrette series is an invitation only convening of key thought leaders and collaborators at work on common areas of inquiry.

Format

World Cafe format that begins with a morning series of short presentation by topic thought leaders followed by afternoon charrettes where presenters and participants share insights, assessments, and ideas for next steps or directions. By Invitation Only.

Roles/Responsibilities

- **Organizer:** Responsible for overall program and administration of think-tank event.
- **Topic leader:** organizes an individual topic and session and each presenter within the session.
- **Presenter:** A subject matter expert who will present a topic and guide discussion for a segment.
- **Contributing participant:** An attendee who will participate in the discussion and make material contributions to the resulting reports.
- **Observing participant:** An attendee who will not participate in the discussion but will be present to observe only.

Outcomes

1. Develop and share insight on the future of work, the economy, and tech disruptions.
2. Explore the array of wicked problems confronting community leaders at the intersection of economic development, workforce development and poverty reduction and the work being done around the world to solve them.
3. Validate a planning algorithm and new program approaches for addressing these problems.

Think-Tank Charrette Topics

1. Building and Managing Teams to Work on Wicked Problems

Overview: Cities have a myriad of wicked problems that often involve diverse set stakeholders with diverse perspectives, interests, needs, expectations, and demands that make a City's wicked problems even more complex. This session will examine the most effective ways to approach work on wicked problems and the dynamics of design thinking, connection and meta-collaboration.

2. Top 10 Technological most likely to disrupt your community's economic base.

Overview: The accelerating rate of change presents a profound challenge to our ability to plan and manage local and regional economies. Each year community leaders must look further into the future and survey a wider spectrum of potential technological disruptions if they want to make informed decisions about their economic and workforce development efforts.

3. The Future of Work in an Era of Structural Abundance

Overview: The acceleration of the growth in human knowledge and productive capacity driven by AI writ large is moving advanced economies toward an era of structural abundance in which the goods and services needed can be produced by a fraction of the working age population employed in a traditional paying job.

4. TAPUMA - The search for a new planning and management algorithm

Overview: We will need a new algorithm for planning and managing our economies if we hope to retain the ability to influence their development. This session will describe the work being done by a CELab team to develop a new more comprehensive, rigorous and nimble way to plan and manage local economic development efforts. Participants will be asked to help evaluate the viability of the project and develop options for next steps.

5. Solowork: A new way to create economic base jobs

Overview: Solowork is one of the fastest-growing sources of new economic base jobs in the economy, and, until now, communities have had no practical program approach for procuring them. This session will profile a new program model designed to create new economic base jobs in communities of any size and condition, at significant scale, in less time and for a fraction of the cost of traditional approaches. Participants will be asked to help vet the viability of the program model and outline options for next steps.

6. Boomer Centric Economic Development Strategies

Overview: The transition of Boomers to active or semi-retirement is simultaneously a serious economic threat and a major opportunity to the economic development for most communities. Gradually retiring affluent boomers are more likely to start a new business than any other age group. They are the most likely to move and take their earnings with them. They are the biggest source of existing footloose businesses as they look to divest and retire. This session will examine new program approaches that could be effective at attracting, growing and retaining boomer driven economic activity.

7. Workforce Gap Prediction Model

Overview: Most communities need a talent development program effort scaled and synced with their job creation program ambitions in the future. Building an effective talent strategy requires predicting the future gaps in qualified workers for the community's future economy. This session will examine work done by CELab and their allies on designing a Workforce Gap Prediction Model for the NM Department of Higher Education. Participants will be asked to vet the status of the project and help outline next steps.

8. Physics Education - The Secret to building a technical workforce for your community.

Overview: One of the most important sources of new talent is a community's K-20 education system. Schools systems that make physics a foundational component elementary and middle science curriculum will produce dramatically higher rates of technically qualified entrants to the

workforce, more college bound STEM students, lower remediation rates for college STEM students, higher demand for high school AP math and science classes, higher SAT scores, and much stronger overall achievement for student cohorts that are struggling.

9. The future of AI and big data in Economic development and workforce development.

Overview: Since AI writ large is the source of the major challenges to our ability to plan and manage our local economies and the workforce we will need to staff them, it follows that AI will be needed to help us improve the quality and effectiveness of thinking, planning, management and accounting of future efforts. This session will explore how advances in AI, machine-learning and big data visualization techniques might be harnessed to improve planning, decision making and accountability of our local economic and workforce development efforts.

10. Poverty, Social Equity and Job Creation

Overview: As the benefits of economic growth continue to concentrate in the wealthiest echelons of society at the expense of the poor and middle class more communities are looking at how their economic, workforce development and poverty reduction program efforts and be integrated to systematically address the growing social equity, inclusion and poverty. The session will focus on specific projects undertaken by CELab and their allies.

11. The Wage Cliff Effects Calculator- A diagnostic and management tool for employers, employees and policy makers.

One of the biggest obstacles to economic development, workforce development and poverty reduction efforts is the Wage Cliff Effect or the Benefit Effect. The Wage Cliff Effect describes a common predicament where new income from a new job or a raise triggers a termination of public benefits that reduces total income causing them to refuse the raise or quit the job. The Wage Cliff Effects make it impractical for an increasing number of working age residents to enter the mainstream workforce. This session will demonstrate the Wage Cliff Calculator and ask participants to help outline options for its future applications.

12. The Merger of local job creation and poverty reduction programs.

Economic growth is generating diminishing returns for the middle class and the working poor. Community leaders on all sides are beginning to look for ways to focus their local economic development efforts more directly on the issues of social equity, inclusion and improving the economic performance of struggling districts and populations within their jurisdictions. This session will focus on current efforts around the country and a recent effort by CELab and its allies to develop a program model designed that could get 400 families with children out of poverty each year. Participants will be asked to evaluate the viability of the program concept and potential paths forward.

Program Schedule

Day 1 – October 8: Tech Disruption + Search for a New Algorithm

10AM-12PM: Presentations

- Building and Managing Teams to Work on Wicked Problems – Guillermo Mazier, Joe Slatter, Vipin Gupta
- Top 10 biggest potential disruptions to your future economic base – Stu Rose, Dale Dekker, Jeff Lenberg
- The Future of work in an era of structural abundance – Bill Price
- A new planning algorithm for economic development – Mark Lautman

12PM-12:30: Lunch and Book Reports

12:30PM-4PM: Deliberations

Adjourn for evening

Day 2 – October 9: New Program Innovations for Economic Development

10AM-12PM – Presentations

- Solowork: A new way to create economic base jobs – Paul Hamrick, Shelly Fausett
- Boomer Centric Economic Development Strategies – Guillermo Mazier, Sean Hutchison
- Workforce Gap Model – Mark Chisholm
- Physics Education as an economic and workforce development solution – Anatoliy Glushchenko
- The future of AI and big data in Economic development and workforce development - Josh Wright, Vice President of Marketing for Economic and Workforce Development at EMSI
- Building Financial Infrastructure for the 21st Century – Deborah Burns, Co-founder and CEO at InvestUS

12PM-12:30: Lunch and Book Reports

12:30PM-4PM: Deliberation

Adjourn for the evening

Day 3 – October 10: Poverty, Social Equity + Economic Development

10AM-12PM – Presentations

- Social Equity and Economic Development – Guillermo Mazier, Scott Miller, EPS
- Wage Cliff Effects – Scott Miller
- The Merger of local job creation and poverty reduction programs. – Circles, CELab

12PM-12:30: Lunch and Book Reports

12:30PM-4PM: Deliberation