

SPEAKER BIOGRAPHIES



MACRO-EYES

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Macro-Eyes

Jeni Stockman is Senior Deployment Manager at macro-eyes. With dual degrees from Johns Hopkins University - School of Advanced International Studies (SAIS) and Johns Hopkins Bloomberg School of Public Health, Jeni has spent over a decade adopting innovative technologies to different political and social environments to ensure quality health services were efficient, effective and accepted.

Having traveled extensively as well as lived abroad most of her life, Jeni has a broad perspective on human behaviour and experience. Her wide interests have helped her develop deep technical and operational knowledge across whole systems. She challenges the status quo to adapt where possible and to change meaningfully where inevitable. She has worked with governments in developing strategies that ensure the prioritization of national goals while implementing new technology to ensure better groundwork is laid for impactful results.

Session title: Making supply chains proactive: AI towards optimization of resource distribution in California

Session detail: Supply chains generate massive waste and deprive people of resources unused elsewhere on the map. Poor data on the state of infrastructure leads to mismatched allocation and ineffective investment. Consider cold chain. Our work uncovered that 30% of California federally qualified health centers (FQHCs) have both backup power and adequate refrigeration - but the supply chain ignores this ground-truth. Scarce supplies are at risk when the power is shut off. An example of why healthcare accounts for ~9% of US GHG emissions.

Our mission is to radically extend what is possible with finite resources, solving the global problem of matching scarce supply to demand - an ethical and environmental imperative. In 2021, Macro-Eyes and Direct Relief deployed STRIATA to improve operational visibility into every California FQHC: site-specific insight, for the first time, into back-up power, refrigeration, catchment populations. This session will give an overview of Macro-Eyes core product - STRIATA - and our work in California to date.

STRIATA is an enterprise product that transforms the supply chain - from people, products, and places - into an intelligent network that learns unceasingly. STRIATA provides enhanced capability to forecast consumption, position infrastructure, and predict behavior, even in low data and high uncertainty environments. Regardless of location, every resource is put to its greatest use. STRIATA comprises three modules: FORECAST, VISIBILITY, and BEHAVIOR.

Imprecise forecasting and lack of geo-intelligence results in mismatches of supply to demand. If you don't have up-to-date data about each point in your network, you won't send supply where it can and will be used.

California's widespread power shutdowns have revealed a hidden weakness in the health care safety net. STRIATA enables partners and customers to address gaps in the health safety net BEFORE disasters occur ensures the most vulnerable populations can receive care when they need it most.

Our work in California supports federally qualified health centers (FQHCs) which serve uninsured or underinsured populations. FQHCs serve the most vulnerable populations across California and across the nation. Populations made increasingly vulnerable by overlapping environmental and health crises. In the face of wildfires, large-scale power outages and pandemics, the resilient health safety net is crucial. Investments and supply allocations driven by accurate data - are essential elements in delivering a more resilient safety net that better serves frontline communities.