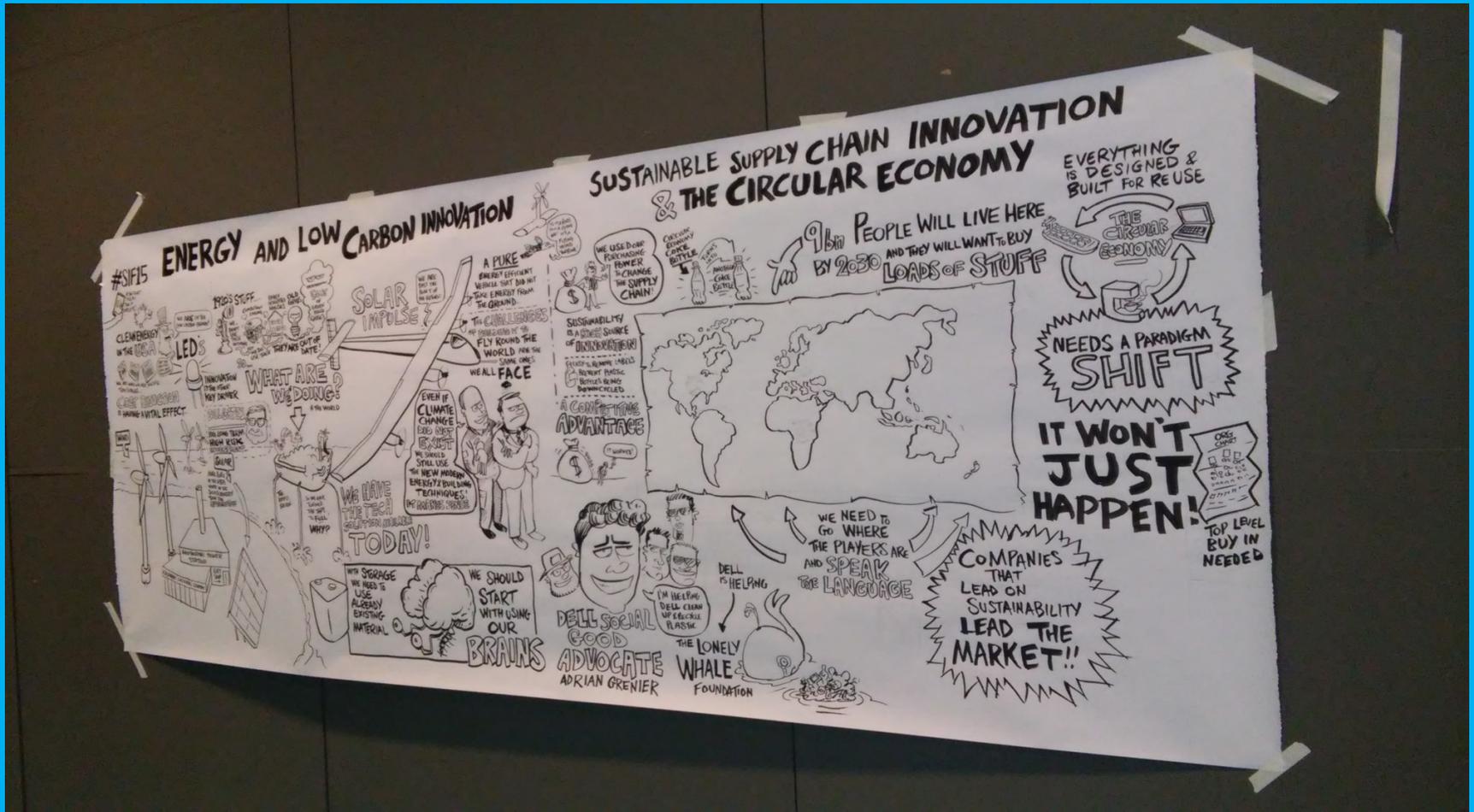


# Community Carbon Credits Market



Global Carbon Data Cloud

*Climate Change is real, and must be urgently addressed.*

*We are pumping greenhouse gases into Earth's atmosphere at an unprecedented rate, accelerating exponentially since the 1950s.*

*How can we accurately measure and monitor our efforts to reduce CO2 pollution, and reward real emissions reductions, to ensure the future of our planet.*

*We cannot leave this to national and local governments. Communities are the pivotal point of application for renewable energy, and land regeneration.*

## *Economic benefits to communities from local projects.*

*The carbon offsets can be sold into a global market comprising governments and corporations required to report greenhouse gas inventory to the United Nations under the Paris Agreement.*

*Voluntary carbon offsets, based on these assessments, validated by carbon offset organisations, can be sold online, providing a source of much needed funding for eligible community group projects for tCO<sub>2</sub>e savings.*

*Emissions reduction standard methodologies can provide estimations of potential community project carbon savings.*

## *Eligible community carbon savings*

*Community involvement is absolutely essential to have a chance of keeping global mean temperature rises under 2°C, generally acknowledged as the upper limit to avoid global environmental, economic and social catastrophe.*

*Communities around the world have the potential to cumulatively increase carbon savings dramatically.*

*Renewable energy and land use carbon sequestration are obvious key initiative to increase the current coverage of carbon markets from 15% of emissions reduction activities.*

## *Renewable energy generation*

*Replacement of fossil fuels at local microgrids has wide application for developing communities, and funding can come from selling voluntary carbon credits online*

*There are algorithms for the greenhouse gases emitted by fossil fuels. Replacement of a particular fuel type is the basis for calculation of tCO<sub>2</sub>e carbon savings.*

*This applies where there is currently no electricity, as well as remote communities, where biofuels and diesel have a large carbon footprint.*

## *Land use carbon sequestration carbon savings*

*Land use change and forestry carbon accounting methods for calculating tCO<sub>2</sub>e carbon change can be applied per activity per area of land.*

*Very few of these activities are currently covered by carbon offset certification under the REDD+ national programs.*

*Adoption of renewable energy, and land use and forestry carbon sequestration applies equally to both developing and developed nations' community group projects.*

## *Infrastructure for calculation of tCO2e savings offer to an online market.*

- *Data centre infrastructure, including network, platform and software services*
- *Online web services for market participation, trades and settlements*
- *Smart grid devices for renewable energy generation metrics*
- *Network infrastructure for transport of device data to the data centre*
- *Standard emissions reduction algorithms access for project eligibility assessments*
- *Online verification of estimates with workflows to credible third parties*

## *Activities and timeframe April 2018 – April 2019*

- *Obtain Seed Funding*
- *Identify Community Projects for Prototype*
- *Develop Global Carbon Data Cloud, Device and Network Infrastructure*
- *Develop Campaign for Government and Corporate Subscriptions*
- *Build Carbon Credits Market Web Services*
- *Build Project Assessment Online Workflows*
- *Develop Proofs-of-Concept*
- *Engage Project Assessment Providers*
- *Advertise Program to Communities*
- *Go Live, Maintain, and Assess Progress*