Progress in
Life Cycle Attribute Assessment (LCAA)

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Outline

- Review of LCAA

- Measuring / Reporting Progress, using LCAA: Three Levels

    Data

    Risk

    Impacts

- Discussion

Review of Life Cycle Attribute Assessment (LCAA)

- Definition:

  Assessment of the
  Relevant activity in a life cycle (or supply chain)
  which has an attribute of interest

- Reporting:

  Absolute: Quantity of activity with the attribute

  Share: % of activity with the attribute

Examples of Life Cycle Attribute Assessment (LCAA)

- Forestry

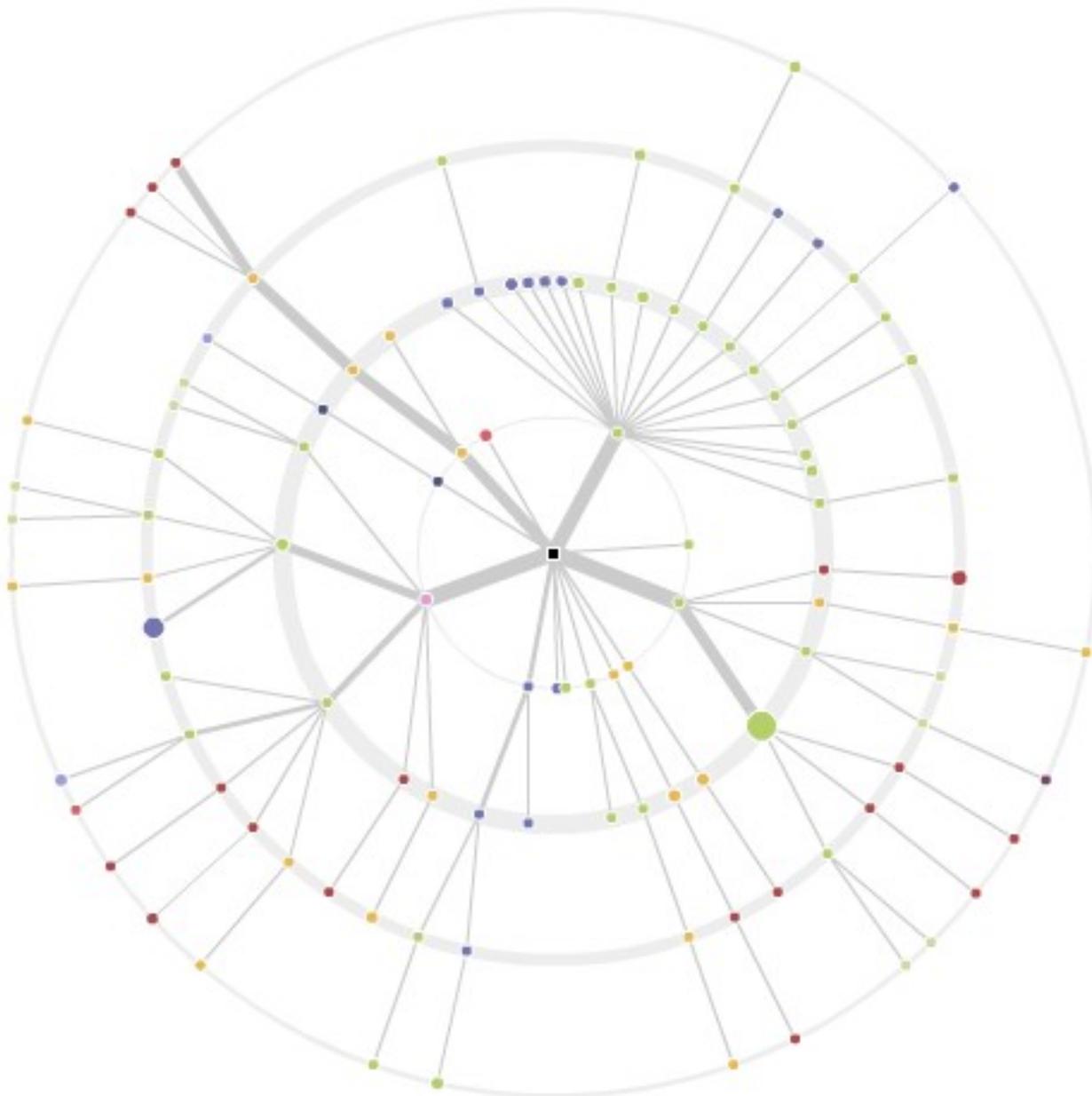 Acres of sustainably harvested, and otherwise-harvested forest, per functional unit

  % of acres harvested which are certified sustainable (e.g., using certifications A or B, but not C)

- Social:

  Worker hours at risk of child labor, and not, per functional unit

  % of worker-hours which are at risk of child labor

Visualizing LCAA

- Node size →
  Activity
  (worker-hrs)

- Node color →
  Attribute (risk
  of child labor)

- Cumulative:
  wH
  wH(i)
  $A_i * wH(i)$

Question: Given the results of
an initial Scoping Assessment
of your product's Social Risk Hotspots,

What can you do about/with them,
Immediately and over the long term?

Answer: Make Progress, and Report about it!

Progress Measurement & Reporting: Three Types

- Progress Collecting Data, Improving Precision

- Progress Reducing Risk

- Progress Improving Social Conditions

Progress Measurement & Reporting: Type 1

- **Progress Collecting Data, Improving Precision**

  Primary Market Share Data

  Primary Activity Variable Data

  Primary Attribute Data

- Progress Reducing Risk

- Progress Improving Social Conditions

Type 1 Progress: Collecting Primary Data, Improving Knowledge

- Market share data

    Replace database data (e.g., GTAP) with primary

    E.g.: Juice Co sourcing *all* bananas from Costa Rica

- Activity variable data: Worker hours
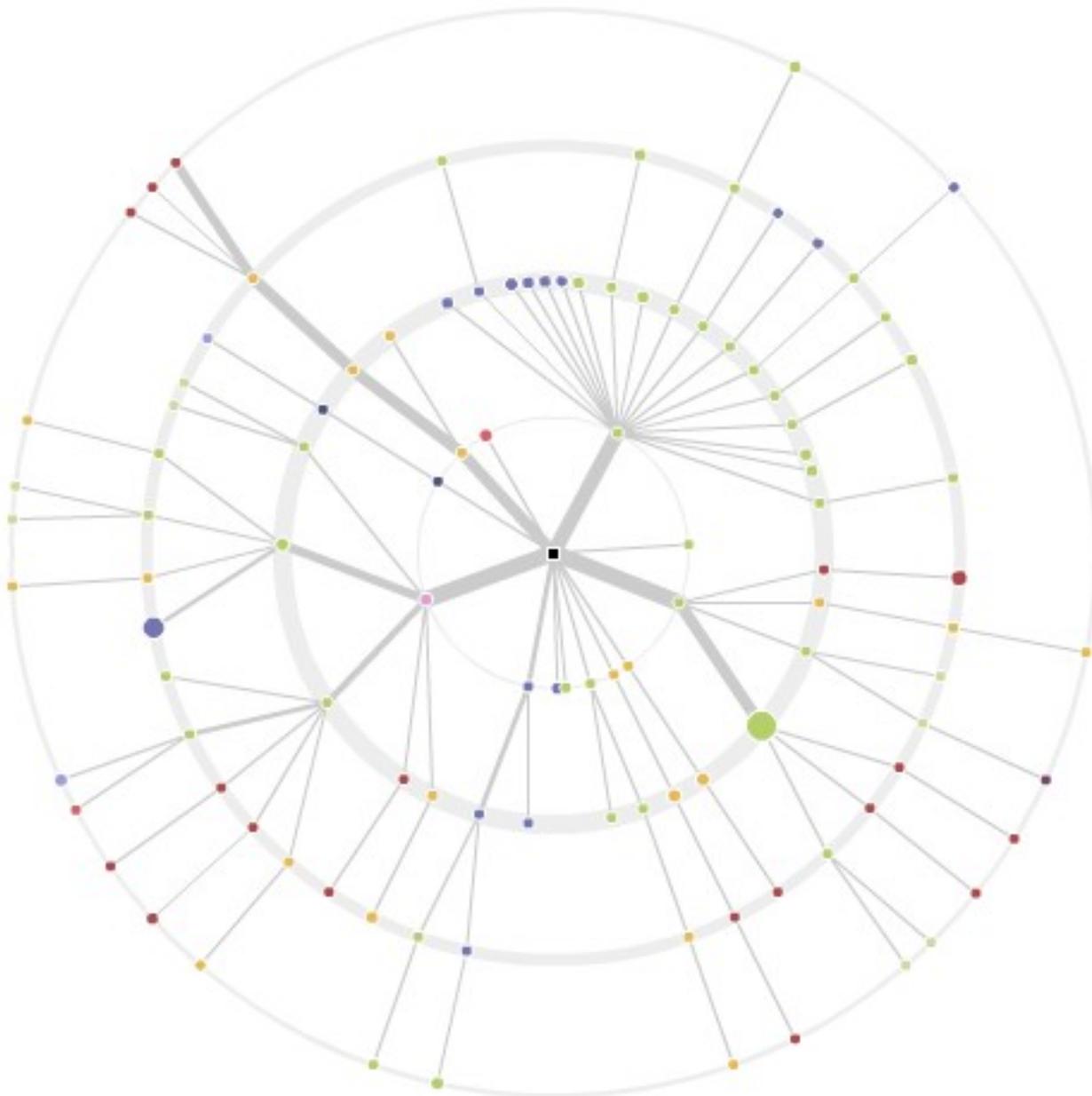
    Replace database data (SHDB & GTAP)

    E.g.: Actual wH on plantations per kg banana output

- Attribute data: risk levels via more precise CSS

    From "Country-specific-sector" to "CS<u>S</u>S" data

    E.g.: Risk levels on *banana* plantations in CR, instead of fruit production in CR

Visualizing Level 1 Changes

- Market share: eliminate some branches

- Activity: re-size (near) nodes

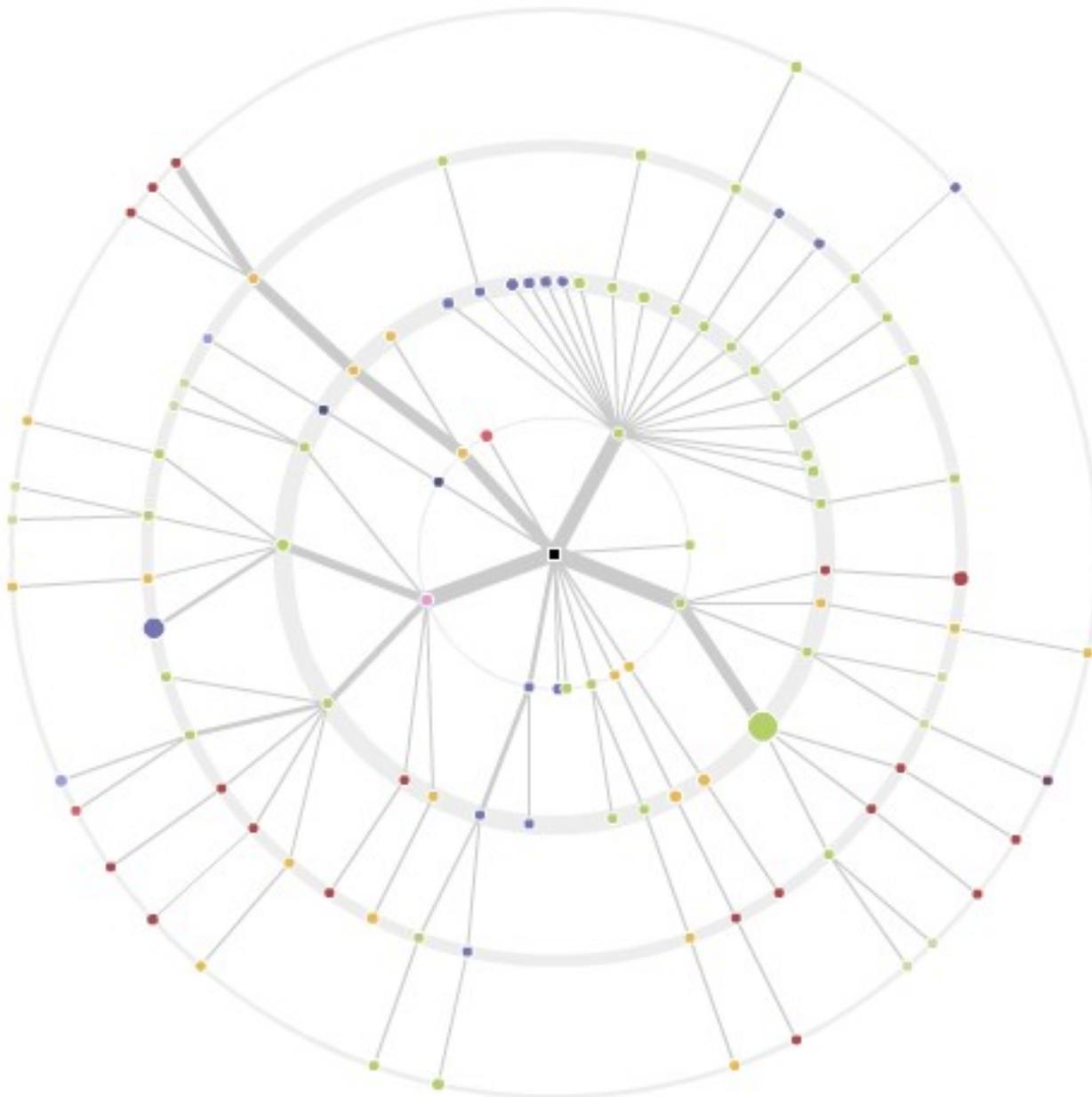- Attribute: re-color (near) nodes when more precise re CSS→attribute

Progress Measurement & Reporting: Type 2

- Progress Collecting Data, Improving Precision
- **Progress Reducing Risk**

    "Cut and Run": Source selection

    Certification: Assure no risk

    Level of Engagement 1: Addressing risk metrics

    Level of Engagement 2: Addressing root causes

- Progress Improving Social Conditions

Type 2 Progress: Reducing Risk

- "Cut and Run": Source selection

    e.g., stop sourcing bananas from Costa Rica

- Certification: Assure no risk

    e.g., source from assured/certified growers in CR

- Level of Engagement 1: Addressing risk metrics

    Working with growers to improve assurance results

- Level of Engagement 2: Addressing root causes

    Working with growers and communities to enable children to attend school and work part-time

Reporting / Visualizing Level 3 Changes

- Big nodes that had "bad" colors are still as big / bigger, but now have "good" colors; shapes indicate ongoing engagement

- Other nodes are re-shaped, as engagement spreads

Progress Measurement & Reporting: Type 3

- Progress Collecting Data, Improving Precision

- Progress Reducing Risk
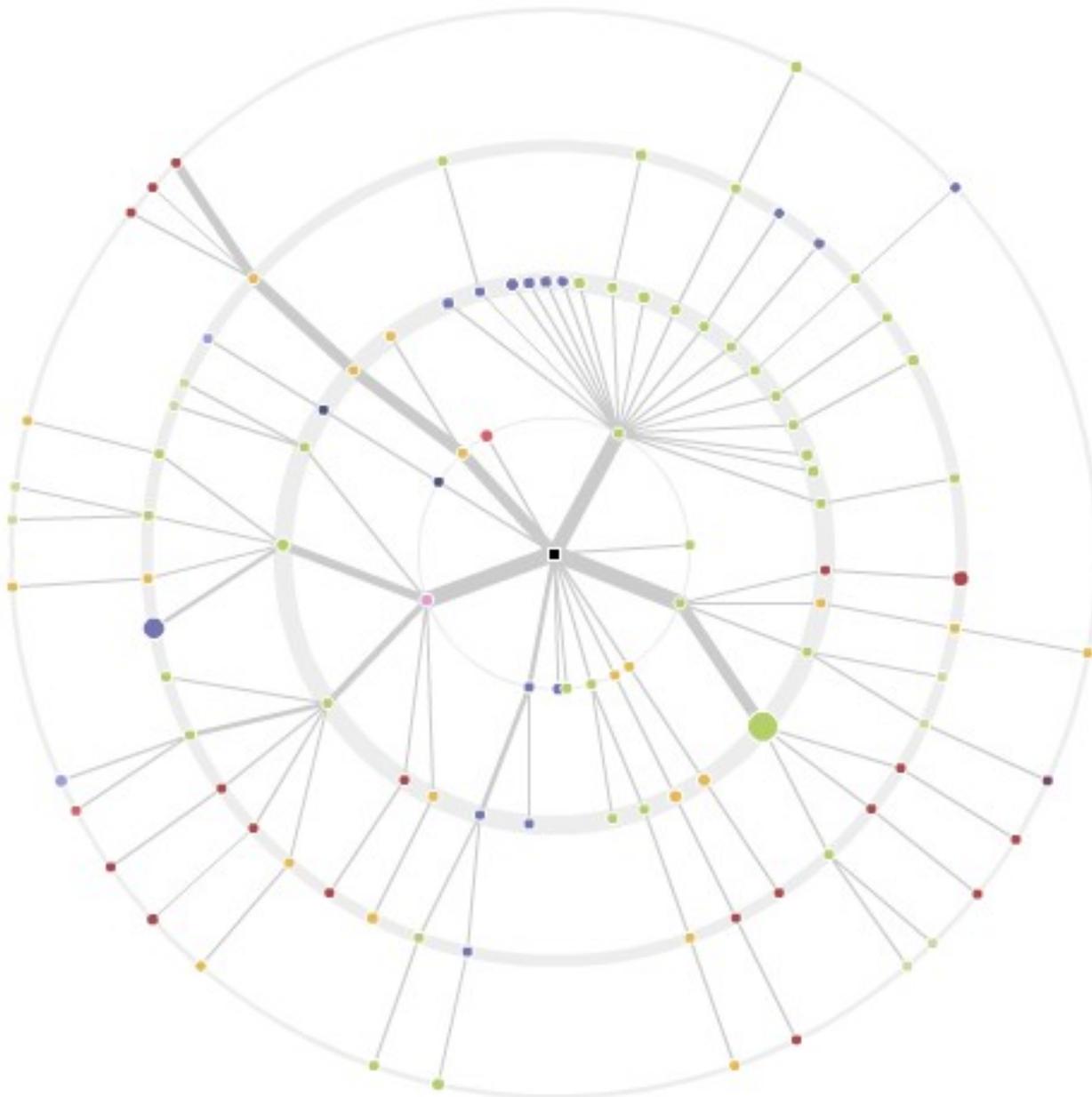
- **Progress Improving Social Conditions**

  Impacts of Engagement 1: Reductions in risk metrics

  Impacts of Engagement 2: Reductions

Type 3 Progress: Improving Social Conditions

- Impacts of Engagement 1: Reductions in risk metrics

  e.g., over the past 2 years, 85% of our wH formerly at risk for child labor are now at low/no risk

- Impacts of Engagement 2: Improvements in root causes

  e.g., we achieved the reduction in risk by improving access to school-work in source communities, working with NGO-x

  4000 children now have access to school-work in a set of 18 communities in Costa Rica

Reporting / Visualizing Level 2 Changes

- Cut & run: eliminate risky branches

- Certification: re-color (near)

- Engagement 1: High-risk node [x% of wH, or y% of wH(i)] is square

- Engagement 2: triangles

Type 3 Progress: Improving Social Conditions

- Impacts of Engagement 1: Reductions in risk metrics

    e.g., over the past 2 years, 85% of our wH formerly at risk for child labor are now at low/no risk

- Impacts of Engagement 2: Improvements in root causes

    e.g., we achieved the reduction in risk by improving access to school-work in source communities, working with NGO-x

    4000 children now have access to school-work in a set of 18 communities in Costa Rica

Re-Cap

- Review of LCAA

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  Data

  Risk

  Impacts

- **Discussion**

Danke!