

Addressing University of Toronto's Business-Related Scope 3 Air Travel Emissions

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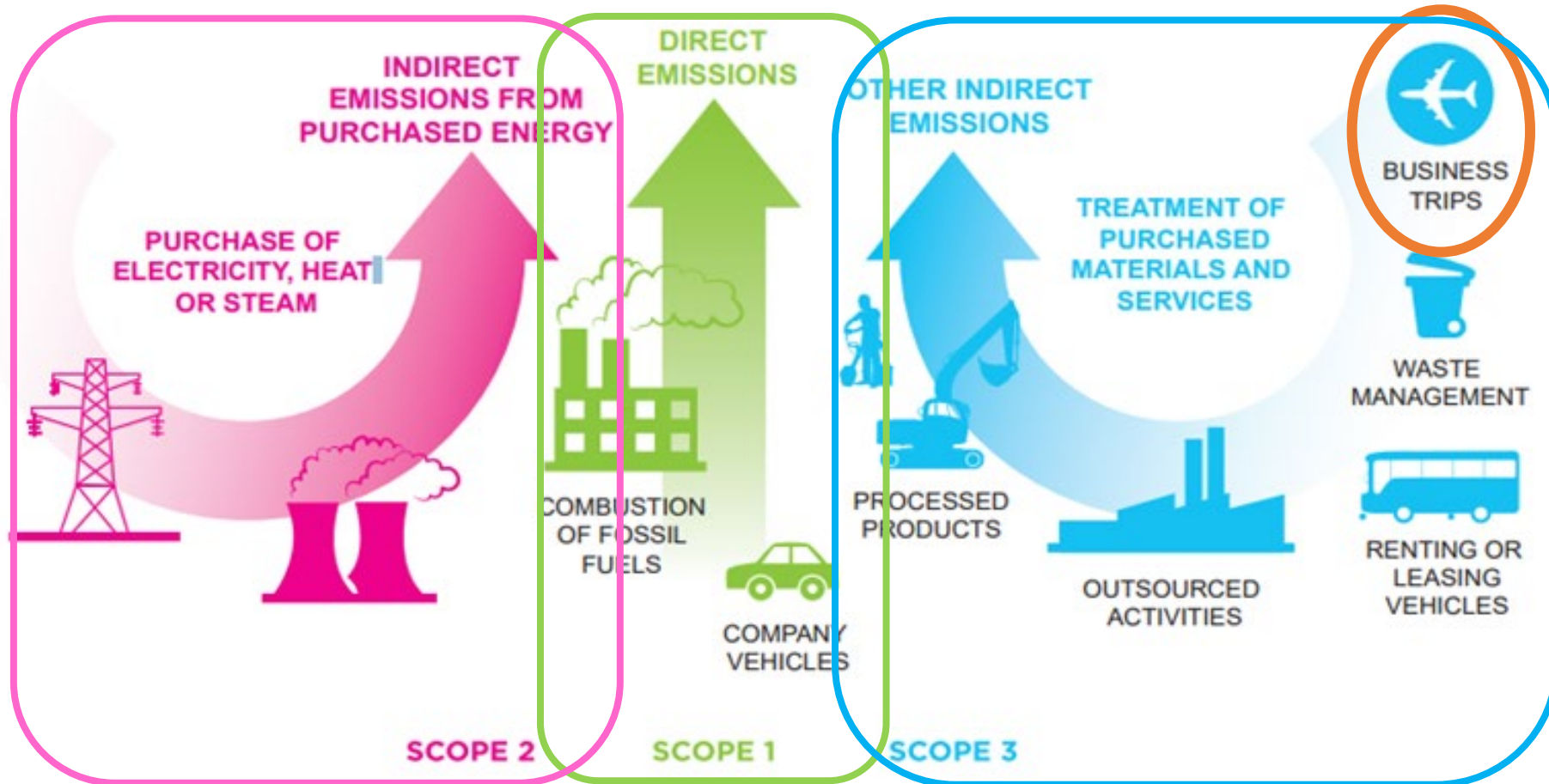
Based on work done by students in ENV461/1103 (The U of T Campus as Living Lab of Sustainability); staff and student research assistants at CECCS, Facilities and Services staff, and U of T faculty, with the support of the central and divisional administration at U of T,

Report submitted to President Gertler in May 2020

Available from CECCS

Revised version to be published in book: Stefanovic, I, et al, *Conversations on Ethical Leadership: Lessons Learned from University Governance*, University of Toronto Press (forthcoming in 2022)

CO₂ SF₆ CH₄ N₂O NF₃ HFC_s PFC_s



Three Sections

1. Quantifying Air Travel Scope 3 Emissions

(John Robinson)

2. Reducing Business-Related Air Travel at U of T

(Andrea Muehlebach, Vinita Haroun)

3. Developing a U of T Emissions Mitigation Program

(Ron Saporta)

1. Quantifying Air Travel Scope 3 Emissions

(student project in ENV461/1103 – The U of T Campus as a Living Lab of Sustainability)

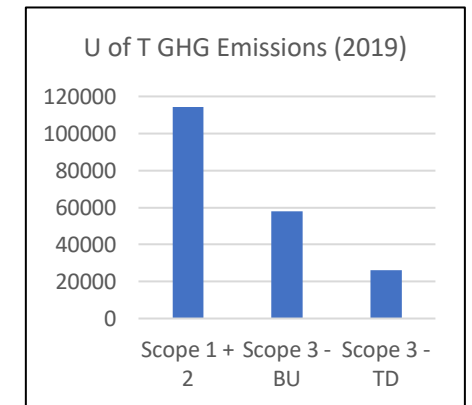
Three sources of data

- General Ledger data on travel reimbursements (\$20.9 million)
- booking data from Avenue Travel, showing distance flown (\$2.9 million)
- survey of flying behaviour (79 responses; 115 flights)

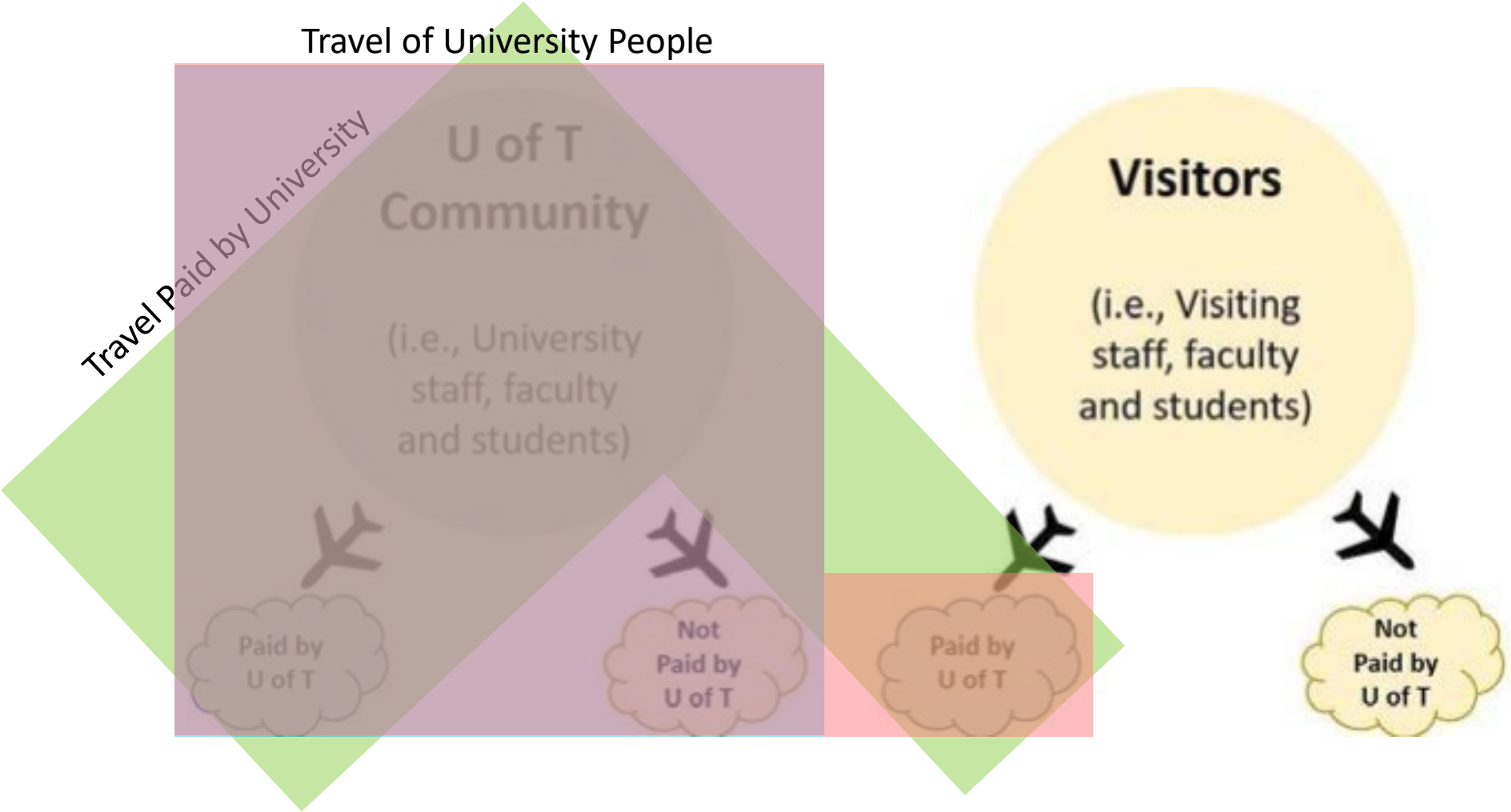
Top-down: ~26,000 t eCO₂ (23% of scope 1 + 2 emissions)

Bottom-up ~58,000 t eCO₂ (51% of scope 1 + 2 emissions)

Need for centralized and standardized method of collecting air travel data for all individuals travelling



Assigning Institutional Responsibility for Business Air Travel



2. Reducing Business-Related Air Travel at U of T

Possible options to reduce travel

- the elimination of same-day return flights,
- reducing flying for one-night stays,
- reducing group travel,
- favoring direct flights over lay overs,
- requiring University personnel to travel by Economy Class only, and
- altering reimbursement rules requiring travel via the cheapest option only

Options to Substitute for Travel

- **Virtual conferencing**

Virtual Conference models

Traditional In-Person	Live Stream	Teleconferencing (several interacting screens)	Hybrid Model (One example below)
<p>Traditional conference with all speakers and attendees meeting at one location for set programming.</p>	<p>Largely traditional conference with live-stream/broadcast for virtual attendees.</p>	<p>Semi-hybrid programming with several interacting screens of presenters and attendees. Enables bilateral communication.</p>	<p>A combination of various models fit the specific needs of the programming.</p>
