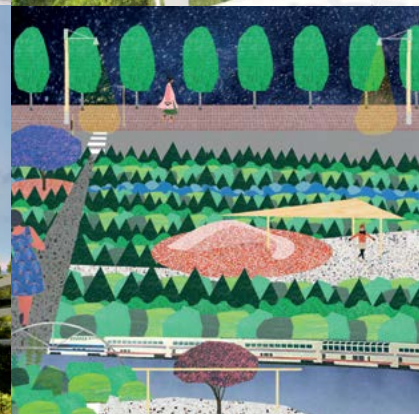
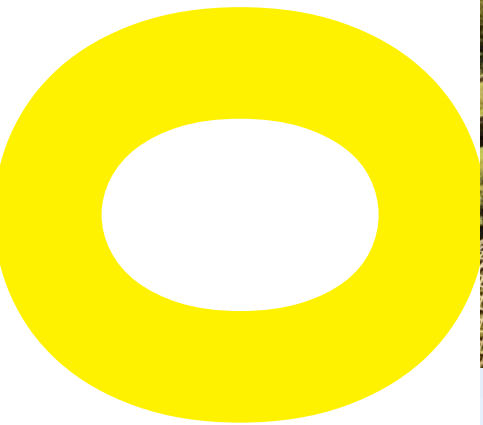
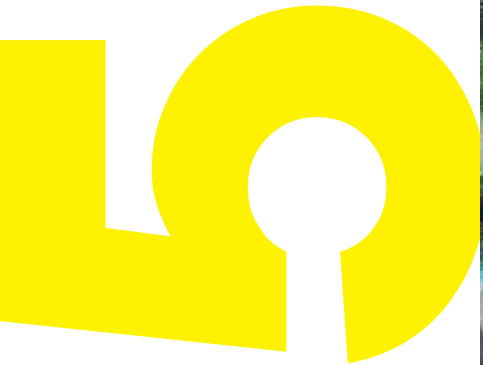


Discover
the
finalists



Sudbury 2050
URBAN DESIGN IDEAS COMPETITION

Open
Category

Open Category

Sève

Canada

Collectif Escargo
Karyna St-Pierre
Julie Parenteau
Émilie Labrousse
Pierre-Yves Diehl

Team #0322



C'est le printemps de Sudbury. Un printemps septentrional, où pousse une ville d'hiver. C'est le retour de la rivière qui réapparaît pour accueillir les patineurs et les pédalos. C'est l'éclosion de coulées vertes et bleues qui traversent la ville pour en faire un poumon nordique.

Le paysage, le patrimoine et la communauté sont unis à travers de nouveaux espaces de vie. L'architecture est repensée pour son efficacité énergétique et pour l'autosuffisance alimentaire. Les circulations forment une nouvelle trame urbaine connectée et vivante, testée et construite en collectivité.

C'est le printemps,
Librement la sève circule.



0322

Open Category

def. The process of allowing wilderness to reclaim or permeate through key opportunities in the urban fabric, to become the connective tissue that enmeshes the city's human spaces and cultural attributes seamlessly with nature — the backbone and driving force in Sudbury's next phase of growth.

Rewilding

Canada

Sahana Dharmaraj
Jenna Lamb
Anastasia Renaud
Taylor Um
Kevan Cress
Shannon McMillan



Team #0582

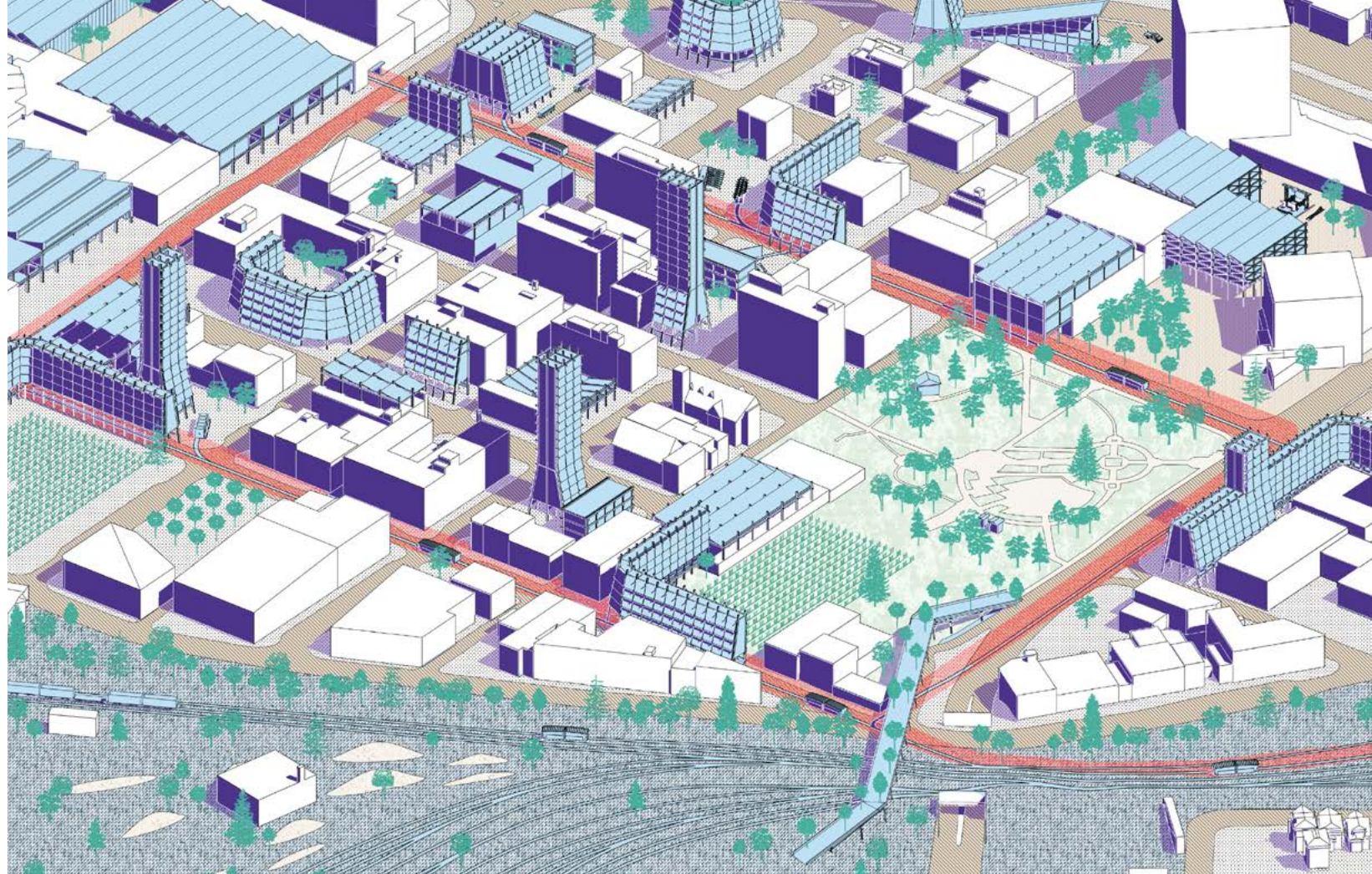
REWILDING

Open Category

Alimentary Urbanism *Urbanisme alimentaire*

Canada

Jesse LeCavalier
Jake Rosenwald
Jennifer Chau
Tran Michael Wideman
Connor Stevens
Siqi Wang



ALIMENTARY URBANISM

From Extraction to Cultivation

What would a city be like if its infrastructure was directed toward nourishing and supporting its population? We borrow the term from the text “Beyond Wiindigo Infrastructure” by Winona LaDuke and Deborah Cowen in which they outline a path to a “regenerative economy” through a reframing of infrastructure not as tool of extraction and propagation of a fossil fuel economy but rather as transformative and focused on “people and kin before profits.”

To translate these ideas into an urban design framework, we envision a thriving Sudbury by transforming its sites of extractive mining operations into a suite of regenerative economic practices: food cultivation; energy production; reforestation and timber production; as well as new forms of education, healthcare, outreach, and recreation. The Downtown Core becomes a new hub for these activities and a model for a regenerative economy as abundant reforested mines support widespread use of cross-laminated timber (CLT). Two “Commons Corridors” extend from the railyard to Elm Street and become sites of new housing, educational, and community institutions while the Rainbow Centre is made into a vibrant public market. These economic drivers repurpose and expand the area’s robust rail network to redistribute new assets throughout Sudbury’s diverse neighborhoods. A series of new rail spurs sponsor community infrastructure nodes that provide essential services as well as cyclical recreational, social, and enrichment opportunities in the form of a fleet of mobile programs.

Team #1116

URBANISME ALIMENTAIRE

L’Urbanisme Alimentaire: De l’Extraction à la Culture

Quelle image aurait la ville si ses infrastructures se consacrent à l’alimentation et subviennent aux besoins de sa population? Nous empruntons ce terme du texte “Beyond Wiindigo infrastructure” écrit par Winona LaDuke et Deborah Cowen, dans lequel elles mettent en valeur la possibilité d’une “économie renouvelable” à travers la restructuration des infrastructures, non pas comme des outils d’extraction et de propagation des énergies fossiles mais davantage comme des outils de transformation centrés sur “la personne et la communauté” plutôt que les profits.

Pour convertir ces idées en un plan d’urbanisme, ce projet imagine une ville de Sudbury florissante en transformant ses sites d’extraction minière en un ensemble de terrains consacrés à des pratiques économiques renouvelables: agriculture; production d’énergie; reboisement et production de bois massif; ainsi qu’à de nouvelles formes d’infrastructures culturelles; sanitaires, communautaires et récréatives. Le cœur du centre-ville devient une nouvelle plateforme pour ces activités et un modèle pour une économie renouvelable. L’abondance de mines reboisées encourage l’innovation et l’utilisation généralisée du bois lamellé croisé (CLT). Deux “Couloirs Communautaires” s’étendent des voies ferroviaires à Elm Street et accueillent de nouvelles constructions résidentielles, culturelles, et communautaires. Le Rainbow Center se transforme en une place de marché publique et vivante. Ces acteurs d’économie réutilisent le réseau ferroviaire actuel, et l’étendent vers les points d’intérêts des divers quartiers de Sudbury. Cet ensemble de rails nouvelles encourage la création de noyaux d’infrastructures communautaires qui fournissent des services essentiels, parfois récréatifs, sociales, culturels, sous la forme d’une flotte de programmes mobiles.

Open Category

**Pollinating
Sudbury**

USA

Dongsei Kim
Tommy Yang

POLLINATING SUDBURY
CURATING SCENARIOS

Team #3478



Open Category

Northern Traction

Canada

Zain Karsan

Natalie Bellefleur



Team #3802

3802

The Woods Fellowship

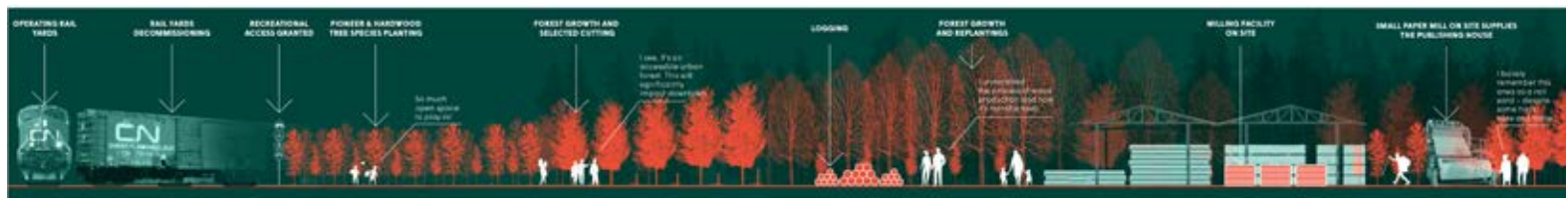
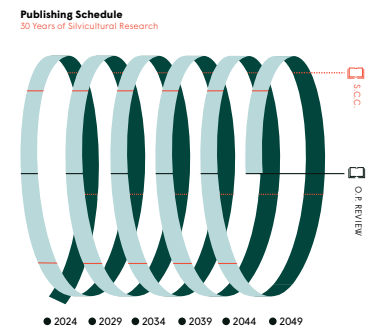
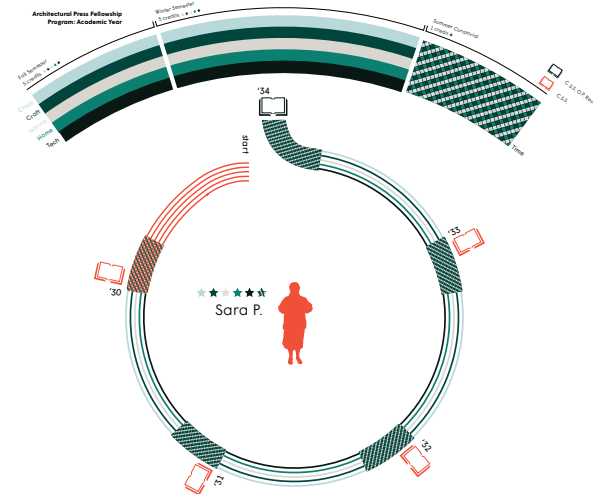


The Woods Fellowship

 **The Architectural Press
Publishing House**

Canada

Alexander Cassini
Daniela Leon
Christopher Alton



SUDBURY CENTER GROWING THE FOREST CITY



Sudbury Center: Growing The Forest City

USA
Eric Pearse



Open Category

**Ma-sh-ki-ki-ke:
A story of healing,
pour nous et
pour la terre**

Canada

Emilio Portal
Matthew Hunter
Jayden Daoust
Elyse Portal
William Morin
Miranda Virtanen
Naomi Grant
Cora-Rae Silk
Camille Tremblay Beaulieu
Simon Blakeley
Rebecca Elphick
Megan Tran

Team #8341



Student
Category

Student Category

A Collective City

Sudbury 2050



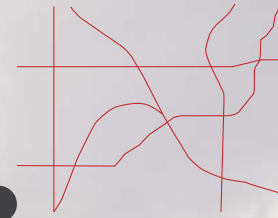
Daylight Junction Creek



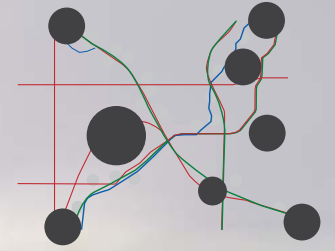
New Greenways



Development Magnets



New Light Rail Lines



Collective Form

Collective City

Canada
Jesse Martyn



Team #0351

Green Railway: Connecting People

Romania
Cristian Ovidiu Pavel

Why choose this project?

For the people

- Community spaces: New public spaces that people can manage and interpret at will
- Connected with nature: Be surrounded by nature, easily reaching the natural beautys and have fresh vegetables produced on site
- Connected with others: Reach every part of the city (including the Lake) on foot, by bike or with electric transport, in the rain or in the sun

For the planet

- Food production: Less Co2 from food transport, no terrain and 91% less water for agriculture
- Eco-materials: Structure made of wood, instead of producing co2 like concrete, the wooden structures store it inside
- Energy production: All roofs are covered with 9500 solar pannels (1m x 3m) that can produce 8550 KW of electric energy from renewable sources

For Sudbury

- Investors: All the structures are made of wood so the builders will invest in the wood industry of the city
- Visibility: Thanks to the design and objectives it seeks to achieve, the city could become a symbol for eco-sustainable cities in the world
- Tourism: Given the history of the city, the artistry of the people, the natural beauties and the new buildings (houses and auditorium), tourism will grow exponentially



Student Category

**Urban
Constellation:
Sudbury, a
dreaming city**
*Constellation
urbaine :
Sudbury,
rêver la ville*

France
Gaël Biache
Elise Dalmasso



Team #1478

Sudbury 2050 Bold and Beautiful

Vision

Biophilic Architecture

Building occupants should be connected to nature. Buildings can incorporate natural lighting and ventilation, natural landscape features and other elements. This creates a more productive environment and improves community well-being.

Age-friendly Precincts

Ageing is a lifelong process which results in physiological and psychological changes. The built environment should support seniors' daily movements and encourage interaction with their neighbours. Issues of safety, walkability, inclusivity and mental well-being will be addressed.

City of Art and Culture

A diversity of arts and culture should be made accessible to the community, facilitating creative physical spaces for positive interactions

Forming Identities

Research and Excellence Hub

The co-location of new research facilities will encourage knowledge spillovers, improving research entrepreneurship and scholarship.

New Major Retail & Residential Developments

Sitting on the old rail lands, there is an opportune moment to bring housing into the downtown and create new uses.

Pedestrian-Friendly Downtown Core

The Downtown should be a lively hub, focus will be brought back into streets that are enjoyable at all times of the day for the whole community.

Cultural Cluster

Sudbury is in a good position to advance its interests in arts and culture. This can be further expanded by encouraging public art alongside major arts venues.

Objectives

Economy

Enhance job opportunities and resource efficiency by advancing Sudbury as a research, innovation and excellence hub.

Transport

Improve connectivity and sustainability through an integrated transport system and an inclusive and walkable downtown.

Housing

Create sustainable, inclusive, and diverse neighbourhoods through mixed, green and affordable housing.

Arts & Culture

Enhance social capital through provision of arts and cultural opportunities, transforming Sudbury into a canvas.

Environment

Enhance the quality of the public realm through green cityscapes and public spaces for and by the community.

Community-centric Development

Sudbury provides a unique platform for community-led growth. By empowering residents, we can genuinely fulfill their needs and increase inclusive and equitable communities.

Public Engagement Strategy

Public engagement will occur in 4 stages:

- Stage 1 - Pre-engagement
- Stage 2 - Public Engagement
- Stage 3 - Public Participation and Consultation
- Stage 4 - Implementation and Review

These stages will occur over a period of 3 - 12 months. It will allow us to involve and develop relationships with a multitude of residents and stakeholders.

Proposed Activities

Public forums, public walking tours, open exhibitions, workshops and hackathons.



GET INVOLVED
SUDBURY 2050



Encouraging Vibrancy through Mixed-Use Developments



Enhancing Opportunities for Play



Embracing Arts and Culture through Community-Led Efforts



Creating Safe and Inclusive Living and Working Environments



Welcoming Innovation

Bold & Beautiful

Singapore

Bryan Jian Hao Goh
 Charmaine Chua Wei Ying
 Chun Ho Christopher Wong
 Nabhatsorn Na Thalang
 Rachel Yi En Chiam
 Tessa Hui Zhi Tan

Take a deep dive into all
of the finalists' projects
at sudbury2050.ca