



# hexagram

International Network for Research-Creation  
in Arts, Cultures and Technologies

MONTREAL – QUEBEC (CA)

Fonds de recherche  
Société et culture  
Québec 

 UNIVERSITÉ  
Concordia  
UNIVERSITY

 UQAM

# THE NEXT GENERATION CITIES INSTITUTE

**200**  
researchers

**14**  
associate  
research  
centers

**3**  
Research  
clusters

**STAKEHOLDER  
ENGAGEMENT**

- Co-creation processes
- Local value creation
- Living Lab approaches

**PHYSICAL  
TRANSFORMATION**

- Zero emission neighborhoods
- Livability, wellbeing, green spaces
- Sustainable mobility
- Resilient infrastructure

**DIGITAL  
INTEGRATION**

- Tools4Cities
- Integration & interoperability
- District energy management
- Cyber- and information security

**NEW ECONOMIC  
PARADIGM**

- New smart services
- New business models
- Green and circular economy

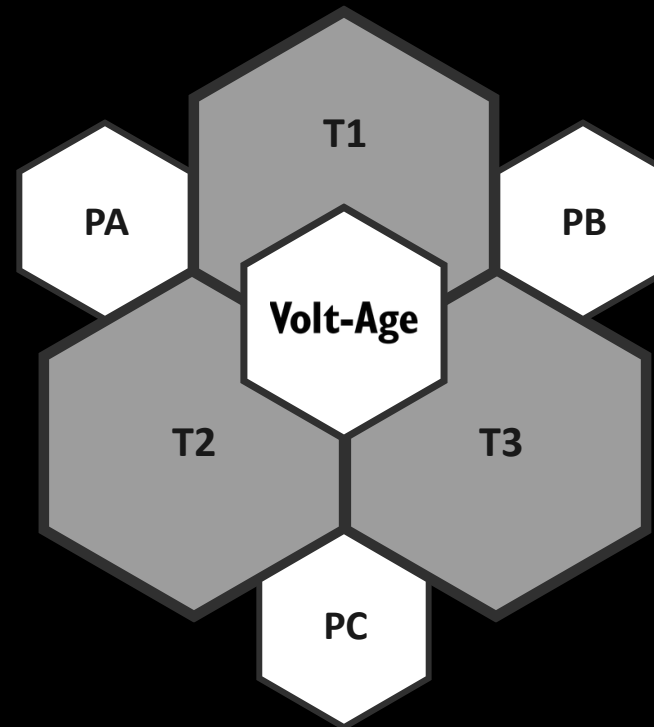
URBAN TRANSFORMATION TO NEXT-GENERATION CITIES

# VOLT-AGE

Volt-Age is a seven-year (2023–2030) federal research program funded through a \$123 million institutional grant (CFERF). Volt-Age helps accelerate shifts to electrification by working at the intersection of ground-breaking **research, collaborative partnerships, and community-led decarbonization.**

3 THEMES and 3 cross-cutting PLATFORMS:

- T1** Smart, sustainable, and healthy built environment
- T2** Resilient community energy and transportation systems based on renewables
- T3** Planning and governance for social equity and citizen engagement



- Electrification **PA**
- Internet-of-Things (IoT) and digitalization **PB**
- Living Labs and knowledge mobilization **PC**

# APPLIED AI INSTITUTE

- Aims to make a positive societal and economic impact;
- This is achieved through a responsible AI approach
  - Following a user-centered approach throughout the AI solution development cycle, with a focus on transparency and explainability
  - Providing comprehensive documentation to promote a high level of confidence in the solution by users
  - Using open-source software



AI & Society



AI & Emerging Technology



9 Research Centers



200 Graduate Students



AI & Science



120+ Professors



Fonds de recherche  
Société et culture

Québec 



UQÀM

## NETWORK MEMBERSHIP

- 15 Concordia University (co-dir. Alice Jarry)
  - 15 UQAM (co-dir. Sofian Audry)
  - 6 Université de Montréal
  - 1 McGill University
  - 3 École NAD-UQAC
  - 2 UQAT
  - 2 Université Laval
  - 2 École de technologie supérieure (ÉTS)
- 46 co-investigator members  
180+ student members  
60 local and international collaborators

## MISSION

1. Support and demonstrate research-creation practices across arts, cultures and technologies.
2. Promote and share expertise in research-creation with professional settings and cultural organizations.
3. Establish and consolidate research relationships between artistic and scientific disciplines.

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## History

- 2001 - Founding of the Hexagram Institute by Concordia and UQAM
- 2008 - Creation of Hexagram-UQAM and Hexagram-Concordia
- 2011 - Hexagram becomes an FRQ strategic Research Network
- 2016 - Creation of the Milieux Institute at Concordia
- 2020 - Renewal under the Strategic Research Cluster Program
- 2027 - New Funding Cycle

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Professional and cultural  
partners in Quebec

- Elektra Festival + BIAN
- Society for Arts and Technology (SAT)
- MUTEK Festival – Forum IMG
- New Cinema Festival– FNC
- Montréal Nouvelles Musiques
- Molior Group
- Centre for Contemporary Image VOX
- Canadian Centre for Architecture (CCA)
- Montreal Contemporary Art Museum
- Goethe Institute
- PHI Centre
- Eastern Bloc
- Oboro

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International  
Cultural Collaborators

- Ars Electronica Festival AT
- Canadien Cultural Centre FR
- Passerelle Art Science Technologie FR
- ZKM DE
- Transmediale DE
- Centro Mexicano para la Música y las  
Artes Sonoras MX
- MIRIAD UK
- Festival de la imagen CO
- Réseau Ambiances FR
- etc.

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2020-2027  
Recurrent Programming

## DEMO

Interuniversity research-creation residency  
program

## GALA FOR EMERGING RESEARCHERS

Annual presentation of student laureats  
awarded funding from Hexagram for  
their research and projects.

## HEXA\_OUT

Support for members' research activities and  
outreach outside their own academic  
community.

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2020-2027

Recurring programming

## LASER TALKS

## HEXAGRAM INTERDISCIPLINARY SUMMIT

[rencontres.hexagram.ca](http://rencontres.hexagram.ca)

## REC

Podcast on research-creation in collaboration  
with CHOQ.ca web radio

## HEXAGRAM NEWSLETTER

Distributed twice a month, it contains  
information on the Network's recent  
activities, its members, as well as  
opportunities and calls in the field of r-c.



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[HEXAGRAM.CA / DEMOS](https://hexagram.ca/demos)

[HEXAGRAM.CA / ACTIVITIES](https://hexagram.ca/activities)

[HEXAGRAM.CA / LASER TALKS](https://hexagram.ca/laser-talks)