

**Global Suburbanisms:  
governance, land, and infrastructure in the 21st century**

**SSHRC Major Collaborative Research Initiative  
File: 412-2010-1003**

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**MILESTONE REPORT**

For the period April 1, 2010 to September 30, 2013

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On behalf and with the support of the MCRI Steering Committee,  
the co-investigators, collaborators and partners

## 1. Project Framework

This research will be the first major research project that takes stock of worldwide suburbanization in a systematic way. By studying suburbs, we analyze recent forms of urbanization and emerging forms of urbanism across the world but we also take into view the dilemmas of aging suburbia. *Suburbanization* is defined as the combination of an increase in non-central city population and economic activity, as well as urban spatial expansion. *Suburbanism* is broadly defined as the growing prevalence of qualitatively distinct ‘suburban ways of life’. While urbanization is the prevalent feature of 21<sup>st</sup> century socio-spatial organization worldwide, we qualify this statement by arguing that the real story behind the statistics of growing urban populations around the globe is their increasing *suburbanization*. We are convinced that Canada, with its mixed experience between the North American and European models, and with its high immigration rates and globalized experience, is a good vantage point from which to observe and analyze broader, global tendencies in suburbanization and suburbanism.

The methodological framework employs **critical urban theory** and a **comparative** perspective in various mixed method approaches. A detailed *quantitative analysis* of Canadian metropolitan areas, using census data and standard computerized tools (GIS and statistical software) will be accompanied by *qualitative social science* research designs: conventional *urban political economy* and *discourse analysis* for textual analysis of documents will complement surveys, interviews, and focus groups; and a *comparative ethnographic approach* will be deployed for more detailed studies and will draw on field-work, participant observation, in-depth interviews, and life histories.

### 1.1 Time Frame of Research and Research Themes

Work on this project commenced on April 1, 2010 and the overall duration of the initiative is until March 31, 2017. This report covers the first 42 months of the project until September 30, 2013. The project started with a meeting of all available co-applicants in Montreal on April 26-27, 2010. The MCRI steering committee in Toronto has met regularly and charted out a path towards the completion of this report and the commencement of the research in those areas that start in the first year. Work on these projects has begun, including obtaining approval of human participants protocols where needed.

Thematically, the project focuses on **governance**, **land**, and **infrastructure**. The **governance** of suburbanization involves state, market and civil society actors and takes place in a world of rapid urbanization, climate change, and cyclical economic crisis. The categories **land**, which includes housing, shelter systems, real estate, greenbelts, megaprojects, and **infrastructure**, including transportation, water/waste and social services, serve as the two prime anchors upon which we hinge specific research projects. Deeper examination of recent Canadian suburbanization and suburbanism trends will serve as a critical basis and comparative “control” case for our understanding of suburbanization in the Americas, Europe, Africa and Asia. The overall structure of the MCRI, which reflects the foundational, thematic and geographical research clusters, is represented in Table 1.

The MCRI has three operational levels (A: foundational; B: thematic; C: geographical) and 17 individual research projects. Work will start in all areas during the first 42 months. At the time of the mid-term conference and review, there will be eight research projects that will have parts concluded (A1, A2, A3, B1, B2, C1, C2, and C3).

**Table 1: MCRI Research Activities in Years 1-4 (April 1, 2010 to March 31, 2014)**

Levels	Activities	Year 1 2010-11	Year 2 2011-12	Year 3 2012-13	Year 4 2013-14
	MCRI Workshops / Conferences / Meetings	Montreal: Team Meeting	Leipzig: Governance Workshop	Montpellier: Land Workshop	Toronto: Conference + midterm review
	Graduate Summer School		Leipzig/Berlin	Montpellier	Toronto
	Undergraduate Course	Toronto	Montreal	Halifax	Winnipeg
Foundational level	A1: Benchmarking				
	A2: Governance				
	A3: Land				
	A4: Infrastructure				
Thematic level	B1: Suburban Forms				
	B2: Redevelopment				
	B3: Land + Housing Market				
	B4: Boundaries				
	B5: Regional Governance				
	B6: Water + Sewage				
	B7: Transportation				
	B8: Everyday Suburbanism				
Regional level	C1: Africa				
	C2: North America				
	C3: Europe				
	C4: South Asia				
	C5: China				

Legend	
Benchmarking	
Governance	
Land	
Infrastructure	

**A. Foundational research** includes a benchmarking project (**A1: Universal Benchmarking**, Team Lead (TL) Moos) which is a socio-spatial analysis in order to provide an empirical account of Canadian suburbanism. It comprises (1) a conceptual foundation that unravels the concept of suburbanism into several distinct dimensions; (2) an empirical analysis of these dimensions across all regions of Canada; and (3) and a spatial analysis of structural inequalities and processes that shape suburbanization at the intra-urban scale. **A2: Governance** (TL Hamel) explores suburban governance conceptually and through national and regional literature reviews. **A3: Land** (TL Harris) considers how development and redevelopment of suburban land occur, how cultural attitudes, ownership patterns and forms of regulation shape these processes globally and historically through reviews of existing research. **A4: Infrastructure** (TL Filion) deals with the conceptual issues relevant for suburban infrastructure and has four sub-themes: transportation, water and sewage/waste, technical, and social.

**B. Thematic and area research** ranges widely in its geographic scale, number of cases, duration and methodology. **B1: New Suburban Forms** (TL Lehrer) has two parts running in the first 3.5 years (1) FlexSpace will be a conceptual and theoretical approach of describing new suburban forms, and (2) in the undergraduate courses in year 1 to 6, students will do field research on six Canadian cities. **B2: Suburban Redevelopment and Tower Renewal** (TL Young) explores the processes and politics of suburban decline and renewal in suburban Toronto (Canada) and Leipzig (Germany). It considers the actors and institutions involved in discourses of decline and renewal as well as policy formation and implementation. **B3: Land and Housing Markets** (TL Harris) builds on results of A3 and will develop

and refine a conceptual framework to understand the changing role that land and housing markets play in suburban development in Canada, the USA, India and South Africa. **B4: Boundaries** (TL Keil for Part A, Shields for Part B starting in 2014) work will start in 2012 on Part A by looking at greenbelts as suburban boundaries with a literature review and a limited number of interviews in Toronto, Birmingham (UK), the Ruhr, Frankfurt, Seoul, and Delhi/Gurgaon. **B5: Regional Governance and Suburbanization** (TL Hamel) is based on the conceptual work of A2. It contains a comparative study of regional governance and suburbanization in Toronto, Montreal, Paris, Frankfurt, Bangalore, Shanghai, Johannesburg and Miami starting in 2012. Based on literature reviews and semi-structured interviews, this work will be completed in 2015. **B6: Water and Sewage** (TL Gururani) this work focuses on suburban waste – its generation, collection, transportation, treatment, regulation, disposal and reuse. Case studies include Frankfurt-Rhine-Main (Germany) and New Delhi-Gurgaon (India) with prospective studies in Hanoi (Vietnam), Cape Town (South Africa) and Accra (Ghana), pending possible external funding. **B7: Transportation** (TL Filion) starts in 2013 and will compare present transportation realities and policies in suburban portions of metropolitan regions such as Montreal, Montpellier, Johannesburg, Bangalore and Hanoi. **B8 Everyday Suburbanism** (TL Drummond) will gather and analyze quantitative empirical data on the social and spatial organization of everyday life in Toronto (Young and Cowen), Bangalore (Benjamin), Delhi (Gururani), and Johannesburg (Mabin) in the first 3.5 years of the MCRI. The collaboration with the National Film Board (NFB) is included in this project and focuses on digital communications technologies in everyday life and community activism in the suburbs.

**C. Geographical research clusters** will conduct research on continental (Africa, North America, Europe) and country clusters (India, China), while being place specific. **C1: Africa** (TL Bloch and Mabin) involves a literature review and detailed case studies (Johannesburg/Gauteng, Durban/eThekweni, Dar es Salaam and Accra, as well as Cairo) of suburbanization in that continent. **C2: North America** (TL Nijman) presents a comparative study of suburbanization in North America. Case studies testing the “classical” suburban model include Calgary, Charlotte, Chicago, Denver, Detroit, Ft. McMurray, Halifax, Los Angeles, Mexico City, Miami, Montreal, Ottawa, San Francisco, Toronto, Vancouver, Victoria, Waterloo, and Winnipeg. **C3: Europe** (TL Phelps) combines conceptual work on variation and difference in suburban Europe with case studies (Dortmund, London, Montpellier, Oslo, Sofia, Zurich) as well as additional cases depending on possible external funding (Greece, Italy, Spain, Turkey). **C4: South Asia** (TL Gururani) is a study of suburbanization in India, combining conceptual work on that country with case studies in Bangalore, Delhi-Gurgaon, and Mumbai. Finally, the **C5: China** cluster (TL Wu) examines the recent emergence of suburbanization in China. Based on a literature review and semi-structured interviews, this project will focus on Shanghai and Guangzhou.

## 2. Project Deliverables

While the complexity of the MCRI and the plurality of methodological approaches, time lines and geographical locales makes it difficult to represent our deliverables in a schematic fashion, Table 2 attempts to provide an overview of the projected research:

**TABLE 2: MCRI Research Project Deliverables (2010-2013)**

	Team Lead(s)	Team Members	Students		Post-Docs	Dissemination	Total Cost
			MA	PhD			
A. Foundational research	A1. Moos	Wyly, Harris, Lehrer, Walks		3	1	5 journal articles (submitted), 2 conference presentations	\$111,680.00
	A2. Hamel	Peck, Keil, Nijman, Phelps, Hirt, Gururani, Wu, Bloch & Heinrichs	9	1		1 edited book manuscript	\$90,930.66
	A3. Harris	Bloch & Lehrer	3			1 major working paper	\$31,138.58
	A4. Filion	Monstadt, Drummond, Keil & Gururani	5			Deliverables after 2013	\$31,069.70
B. Thematic & Area Research	B1. Lehrer	C. Schmid, Bloch, Wu, Li, Hirt, Knox & Grant	5	1		4 working papers, 1 conceptual paper	\$69,600.00
	B2. Young	Cowen, Bernt & Wilson	3	1	1 (see pg.11)	3 conference presentations, 5 journal articles (submitted)	\$93,575.00
	B3. Harris	Bloch, Mabin, Nijman, Benjamin & Gururani	4	1		4 working papers, 1 conceptual paper	\$99,775.00
	B4. Keil & Shields	Whitehead, Basten, Hae & Gururani	2			Deliverables after 2013	\$25,638.87
	B5. Hamel	Keil, Filion, Boudreau, Kipfer, Monstadt, Benjamin, Li, Wi, Mabin, Todes & Nijman	11			1 Masters project	\$85,450.15
	B6. Gururani	Monstadt	1	1		1 comparative working paper	\$36,250.00
	B7. Filion	Hamel, Lehrer, Mabin, Benjamin & Drummond	2			Deliverables after 2013	\$16,300.00
	B8. Drummond	Cowen, Young, Mabin, Todes, Wu, Phuc, Boudreau, Gururani, Benjamin, Lehrer	4			1 journal article (submitted)	\$66,364.33
C. Geographic Research Clusters	C1. Bloch & Mabin	Todes, Owusu, Harris & K. Schmid	3			1 literature review (foundational paper)	\$59,750.00
	C2. Nijman	Gilbert, Keil, Knox, Wilson, Grant, Harris, Shields, Andrew, Boudreau, Hamel, Brunet-Jailly, Peck, Wyly, Filion, Milgrom, Miller	8			1 edited book manuscript	\$59,269.00
	C3. Phelps	Hirt, Basten, C. Schmid, Roe, Lehrer	3			Deliverables after 2013	\$29,000.00
	C4. Gururani	Benjamin, Gururani, Rademacher	3			1 Masters project, 1 working paper	\$51,000.00
	C5. Wu	Li		1		1 journal article (submitted)	\$37,500.00
<b>Totals</b>			<b>66</b>	<b>9</b>	<b>2</b>		<b>\$994,291.29</b>

**3. Research Team Building and Integration**

The core of the research team consists of scholars of suburban development who have worked together in various previous projects during the past two decades. Experience in joint research, publication and outreach is a chief characteristic of the group. Where new members have been added, they have been

swiftly integrated into the research framework. All co-investigators who were available, the management team and two members of the MCRI advisory board met in Montreal in April 2010. From this meeting, we developed the overall strategy outlined in this report. Certain research projects have already had team meetings (FlexSpace project in Montreal in April 2010 and the universal benchmarking group in Toronto in July 2010). In the meantime, all project teams have been established under the direction of the team leads (see Table 2) and have been corresponding by electronic mail. The collaborators and partners have begun to be integrated as the schedule requires. The partnership with the National Film Board and the Greater Toronto Suburban Working Group are up and running at this point and about to begin work in the fall of 2010.

Future team cohesion will be accomplished through regional and thematic MCRI meetings and workshops, meetings at other conferences and events, electronic correspondence, and most importantly the project website and secure internal working site. On an ongoing basis, the MCRI steering committee will monitor progress of all project parts and, together with the management team and the advisory board, will look after issues that may arise as the research progresses. We will hold workshop panels during the mid-term conference to discuss and increase internal thematic and methodological cohesion and integration and to determine new joint directions for the remainder of the MCRI (2013-2017).

**4. Research Dissemination and Partner Engagement Strategy**

This MCRI creates a global community of scholars specializing in suburban research. The community will interact via workshops, meetings and conferences (actual, virtual). All involved will benefit from exchange of experiences of different countries/continents and the identification of best practices (furthered through partnerships and stakeholder involvement). York University’s City Institute plays a prominent role both by coordinating projects and maintaining communication networks during the MCRI and will carry this work into the future. We see this proposal as opening a field of research that will have a considerable scholarly impact and positive practical implications for decades to come.

**4.1 Academic journals, books, conferences**

Each foundational, thematic and geographic project has a detailed plan for the dissemination of research material in the course of the entire project. In the first 42 months, the project will yield 2 book manuscripts and we are in the process of negotiating a book series with a reputable scholarly press to facilitate this MCRI. In addition, we expect a minimum of 15 articles (submitted) plus conference presentations, student papers and projects. A detailed projection can be found in Table 3.

**Table 3: MCRI Publications**

Type of Publication	Number
Journal articles (submitted)	15
Working papers	14
Conference papers and individual presentations	25
Edited book manuscripts	2
Papers for MCRI workshops (“Land” and “Governance”)	24
Papers for MCRI conference in Fall 2013	40
Masters projects	2

We will present our work at our own research workshops and conferences which will be partly open to the general public, and serve internal research communications. We will have a presence at the relevant international and national scholarly meetings such as the Association of American Geographers

conferences (Seattle 2011, New York 2012, and tbd 2013); at RC21 ISA workshops (Amsterdam 2011; Istanbul 2012; tbd 2013; Yokohama 2014); at annual INURA conferences (Berlin and Mexico City 2011), and at specialist meetings of suburban researchers.

Our work will be published in leading international journals of urban and suburban studies, geography, urban sociology, urban history and planning such as *International Journal of Urban and Regional Research*, *Urban Studies*, *Regional Studies*, *Environment and Planning A*, *The Canadian Geographer*, *The Annals of the Association of American Geographers*, *Transactions of the Institute of British Geographers*, *disP* and *Opolis*.

#### 4.2 The Project Website ([www.yorku.ca/suburbs](http://www.yorku.ca/suburbs))

The website is the central outreach tool of the project. It is based at York University and a steering committee member will be appointed on a rotating basis to oversee the scholarly content of the project site. The website will include a description of the project and the team members, news and updates on the project, media stories, project reports and publications, MCRI event notices (e.g. workshops, seminars and conferences), contact information for the management team and relevant links to other sites. It will have a multi-media component to it and allow documentary work to be presented that comes from joint work with our partners at the NFB.

#### 4.3 The Secure Internal Working Site (<http://suburbs.othree.ca>)

We are also planning in the fall of 2010 to launch a secure internal working site where the researchers and students are able to share knowledge and collaborate on specific projects. This site will serve as an archive of project material and include document sharing, project work plans, protocols, policies and forms, a calendar, contact information for all team members, relevant event information, project photos and videos, and references. This site will be linked to the project's website and members will need a password to log-in.

#### 4.4 Innovation in Outreach and Dissemination

This MCRI is an innovator in terms of academic outreach as unconventional means of dissemination are designed to reach broader and new audiences for results from this project which pertain to core social concerns in Canada and beyond (see Table 4).

a) *National Film Board Partnership*: In the period covered under this report, an education blog will be created, and a variety of documents will be jointly produced related to community development in Toronto and Leipzig.

b) *Graduate Teaching*: Five planning workshops, taught by an instructor from FES York University in collaboration with local affiliates will educate 15 Canadian graduate students per year on national and international topics related to global suburbanism. The workshops for the first three years will take place in Leipzig (2011), Montpellier (2012) and Toronto (2013) Students will engage with local planning issues, will interact with politicians, planners and community organizers and will write reports that might serve as the basis for further research.

c) *Undergraduate Teaching*: Part research mechanism, part dissemination tool, an undergraduate course on Urban and Regional Infrastructure, taught for 6 years by Roger Keil at the Faculty of Environmental Studies at York University with field components in Toronto (2010), Montreal (2011), Halifax (2012), and Winnipeg (2013), will allow gradual dissemination of research results through innovative classroom pedagogy and teaching methodologies. In the first 42 months of the project, 140 undergraduate students will participate in this course. Project reports will be published and aspects of the course feed into other

MCRI research such as the new suburban form research project (Lehrer).

d) *Knowledge Mobilization*: Through York University's Knowledge Mobilization (KM) Unit, they will assist us in facilitating the exchange of ideas and flow of knowledge amongst our researchers and relevant communities. In the first half of the MCRI, KM will hold 5 “KM in the AM” stakeholder events to discuss key thematic issues in the project.

e) *Occasional Global Suburbanism Research Talks (“SuburbTalks”)*: These colloquium style presentations will provide an opportunity for local team members, visiting MCRI researchers and graduate students to exchange ideas about ongoing research in the MCRI and will be held once per semester at York University throughout the 7 years of the MCRI.

**Table 4: Dissemination Plan**

Activity	Completion Date	Participants
1. Secure internal working site	Fall 2010	PI and management team
2. Public website	Fall 2011 * (outside date, sooner if possible)	PI, management team and steering committee
3. Workshops		
a) Workshop on <i>Governance</i> in Leipzig, Germany	Summer 2011	Research Team, students
b) Workshop on <i>Land</i> in Montpellier, France	Summer 2012	Research Team, students
4. Meetings		
a) Team Meeting in Montreal	April 26-27, 2010	Co-applicants, management team and select partners
b) Team meeting of “FlexSpace” research project in Montreal	April 28, 2010	Lehrer, Bloch, Wu, Hirt and Knox
c) Team meeting of “Benchmarking” research project in Toronto	July 26-27, 2010	Moos, Wyly, Walks, Filion, Lehrer, PI, management team and Siciliano
5. Mid-Term conference at York	Fall 2013	Research team, partners, stakeholders and students
6. Undergraduate course, ENVS 3222, Urban and Regional Infrastructure (Toronto, Montreal, Halifax and Winnipeg)	Fall 2010, 2011, 2012 & 2013	Keil (with support from Hamel, Grant and Milgrom)
7. Graduate Summer School (Leipzig, Montpellier and Toronto)	Summer 2011, 2012, 2013	Lehrer, Young, Keil, Kipfer and Gilbert
8. “KM in the AM” events on thematic issues – 5 events	Fall 2010 to Fall 2013	Knowledge Mobilization Unit at York and partners
9. Greater Toronto Suburban Working Group	Fall 2010 to Summer 2013	Keil, partners and stakeholders
10. Community Forum in Toronto	July 2013	Young, Cowen, partners and stakeholders
11. Highrise Education Blog	Winter 2011	NFB and B8 research project

## 5. Student Training

Student training is essential to this project. Structured in a decentralized fashion thematically and geographically by the team leads, specific research projects take place in a cascading temporal sequence. Each of the co-investigators has, at various times, graduate student assistants allocated to them in order



to conduct various aspects of the research and to assist the overall project. We will employ at least 75 students (9 Doctoral, 66 Masters) during the first 42 months. Working under the direction of faculty members, their roles are directly related to research and dissemination. Key items include: (a) training that includes data management (gathering, storage, organization), GIS work and quantitative research, organization of meetings/workshops, setting up, participation in and transcription of interviews, interaction with community partners, and ethnographic fieldwork (locally, abroad); (b) financial and research support for Masters projects and PhD dissertations; (c) opportunities for the presentation and publication of student research in conferences; (d) research driven graduate summer schools that synchronize with MCRI workshops and conferences and will result in three project reports. Students will be eligible for York International's Mobility Awards to defray cost associated with travel; (e) a 3rd year undergraduate course, "Urban and Regional Infrastructure" (ENVS 3222), taught by Keil in year 1 to 6 of the MCRI, focusing on suburban infrastructures, which includes a field work component that contributes to an exhibition in year 7.

## 6. Project Management

Project management is a joint effort that combines hierarchical responsibility under the leadership of the principal investigator (PI-Roger Keil) and the MCRI steering committee with the networked cooperation of team leads, co-investigators and partners. The day-to-day activities of the MCRI are coordinated by the *management team*. Long term planning and coordination as well as liaisons with partners are the responsibility of the MCRI *steering committee*. The MCRI *advisory board* oversees the project at arms-length. The *team leads* are responsible for specific foundational, thematic and geographic sub-projects of the initiative. See Table 5 for the governance structure of this MCRI.

### 6.1 Management Team

The project management team consists of a full-time Project Coordinator (PC-Sara Macdonald) and a part-time Research Administrator (RA-Judy Patla). They are responsible for providing administrative support to the MCRI and report to the Principal Investigator and the MCRI steering committee. Graduate student assistants will be employed throughout the project to support the management team.

### 6.2 MCRI Steering Committee

The steering committee consists of the PI, the PC and the Toronto based co-investigators (Drummond, Gururani, Lehrer and Young) as well as at least one rotating regional co-investigator. The committee will occasionally ask other co-investigators and collaborators to join them for governance tasks (ex. website coordination/supervision). The committee is responsible for managing the day-to-day activities of the MCRI such as hiring new staff members, reviewing requests for funding, budget management, reviewing reports to the granting agency and implementation planning.

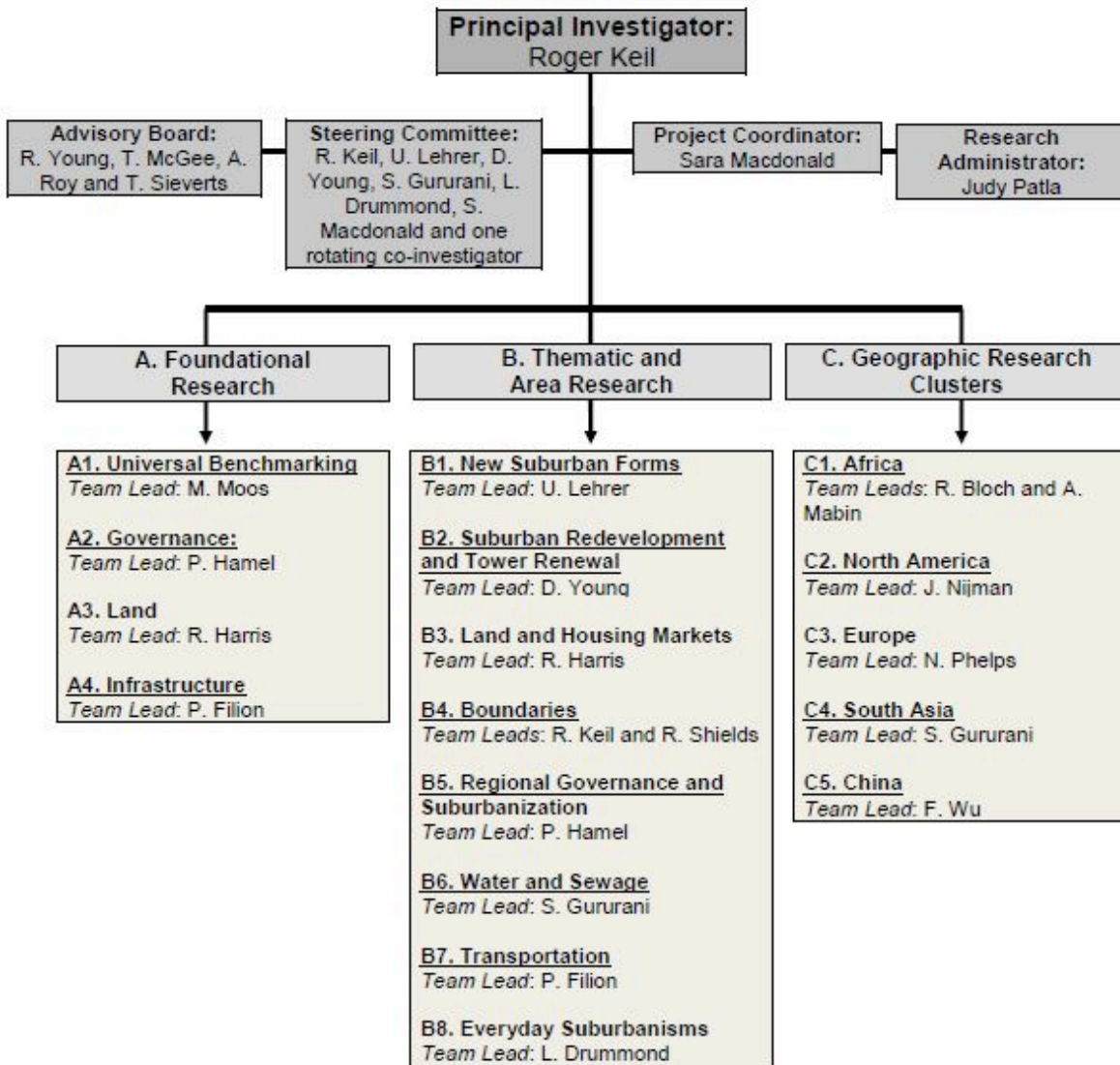
### 6.3 MCRI Advisory Board

The arms-length MCRI Advisory Board consists of senior scholars who will meet once per year normally during annual workshops, conferences and, if appropriate, smaller team meetings. The PI and the steering committee will rely more frequently on the board's advice via teleconference (or virtually) as needed. Board members will provide the PI and steering committee with strategic advice on the direction of the MCRI, review budgets and plans for the coming year, comment on reports, papers and other MCRI materials, consult on the macro-issues that might arise in the governance of this initiative, and flag any related issues. Current membership includes Terry McGee (UBC), Ananya Roy (UC Berkeley), Tom Sieverts (Bonn, Germany), and Robert Young (University of Western Ontario).

### 6.4 Team Leads

There are 17 team leads that are responsible for the individual research projects of the initiative. Their main tasks consist of coordinating the groups, liaising with the steering committee, moving along research and publication projects, organizing workshops or panels at conferences and representing the MCRI to larger publics in their area of responsibility.

**TABLE 5: MCRI Governance Structure**



## 7. Funding

### 7.1 Funding from Other Sources:

**Table 6: Confirmed Cash and In-Kind Contributions for April 1, 2010 to March 31, 2017**

<b>Organization Name</b>	<b>Contribution Type</b>	<b>Contribution</b>
The Canadian Urban Institute	In-Kind	\$175,259.00
City of Markham	In-Kind	\$20,000.00
National Film Board	Cash	\$48,445.50
University of British Columbia	Cash	\$33,000.00
	In-Kind	\$7,200.00
University of Leipzig	In-Kind	\$1,087.00
University of Montreal	In-Kind	\$1,000.00
York University	Cash	\$578,742.00
	In-Kind	\$101,275.00
<b>Total</b>		<b>\$966,008.50</b>
<b>New funding secured since MCRI formal application stage</b>		
Government of Ontario (Ministry of Research and Innovation) and York University	Cash	\$100,000.00
<b>Total</b>		<b>\$100,000.00</b>

In most cases, the promised funding from other sources that was listed in the MCRI formal application is confirmed (see Table 6).

The only change is that the University of Wolverhampton's promised contribution of \$3495 will be withdrawn. We were planning to hold a workshop and graduate summer school in year 4 at the University of Wolverhampton and they had promised to contribute funds towards those activities. Dr. Robin Bloch (who arranged for that contribution) will be leaving that university and as such, these activities will have to be moved and the promised contribution will be withdrawn.

Since the MCRI formal application was submitted, we have secured an additional \$100,000 in funding from the Government of Ontario (Ministry of Research and Innovation) and York University to hire a postdoctoral fellow, Amy Siciliano, for 2 years (July 2010 to June 2012) to work on the suburban re-development research project.

### 7.2 Funding to Foreign Co-Investigators

Estimate of seven year total of SSHRC funding to be used for research expenditures by foreign co-investigators:

Graduate student stipends and Research Assistantships for Masters and PhD students	\$355,550.00
International researcher and student travel	\$86,875.00
<b>Estimate of total funding to foreign co-investigators</b>	<b>\$442,425.00</b>