



# THE STATUS OF CLIMATE CHANGE EDUCATION

## IN ARCHITECTURE PROGRAMS ACROSS CANADA



UNIVERSITY OF  
**WATERLOO**

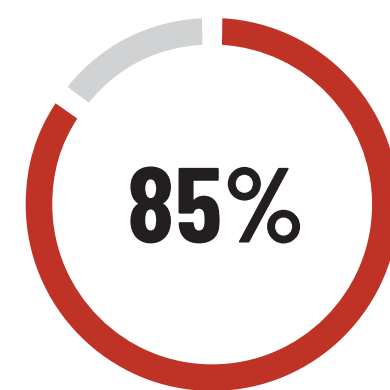


**WATERLOO**  
Climate Institute

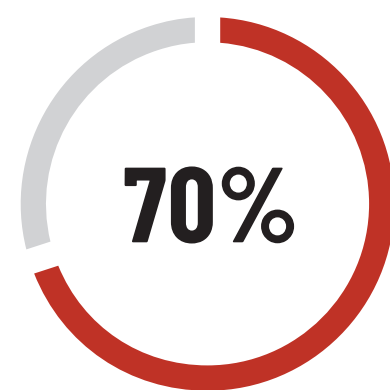


Natural Resources  
Canada

Ressources naturelles  
Canada



**85%**  
of architecture  
programs  
include climate  
science basics!



of architecture programs are  
**broadly integrating climate change  
into their program outcomes and  
courses** – making it the most advanced  
discipline compared to engineering,  
planning and accounting!

### Top 3 enabling factors

for climate change education in architecture programs:

**1**

Student enthusiasm

**2**

Faculty interest & expertise

**3**

Institutional strategic priority/  
Indigenous partnerships

**70%**

of architecture programs  
agreed that teaching about  
climate change requires  
special pedagogical  
approaches, supports and  
educational resources!

### Top pedagogical approaches

used in architecture programs:



#### **Innovative approaches:**

- community partnerships
- decolonizing approaches
- interdisciplinary collaboration



#### **Hands-on:**

- case-based learning
- experiential learning
- workshops
- projects

### Top 3 barriers

to the integration of climate change education in architecture programs:



**Financial  
constraints**



**Time  
constraints**



**Need to cover  
other  
accreditation  
material**

### Support needed

Architecture programs can benefit from additional support in integrating  
climate change education into their program, including:

**Help with the  
development  
and redesign  
of courses**

**Access to  
relevant  
teaching and  
learning  
resources  
and tools**

**Climate  
pedagogy  
professional  
development  
for faculty**