



# Internship at Heritage Conservation Services

NSERC CREATE HERITAGE ENGINEERING PROGRAM EXPERIENCE

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# My Work at Heritage Conservation Services (HCS)

- ▶ Researched
  - ▶ Collaboration
  - ▶ Review related documents
- ▶ Participated in a multi-disciplinary team for the preparation of a draft heritage and sustainability guide
- ▶ Presented energy modelling software strengths and limitations





# The Experience



Engaging and interesting

Challenging

Great work environment

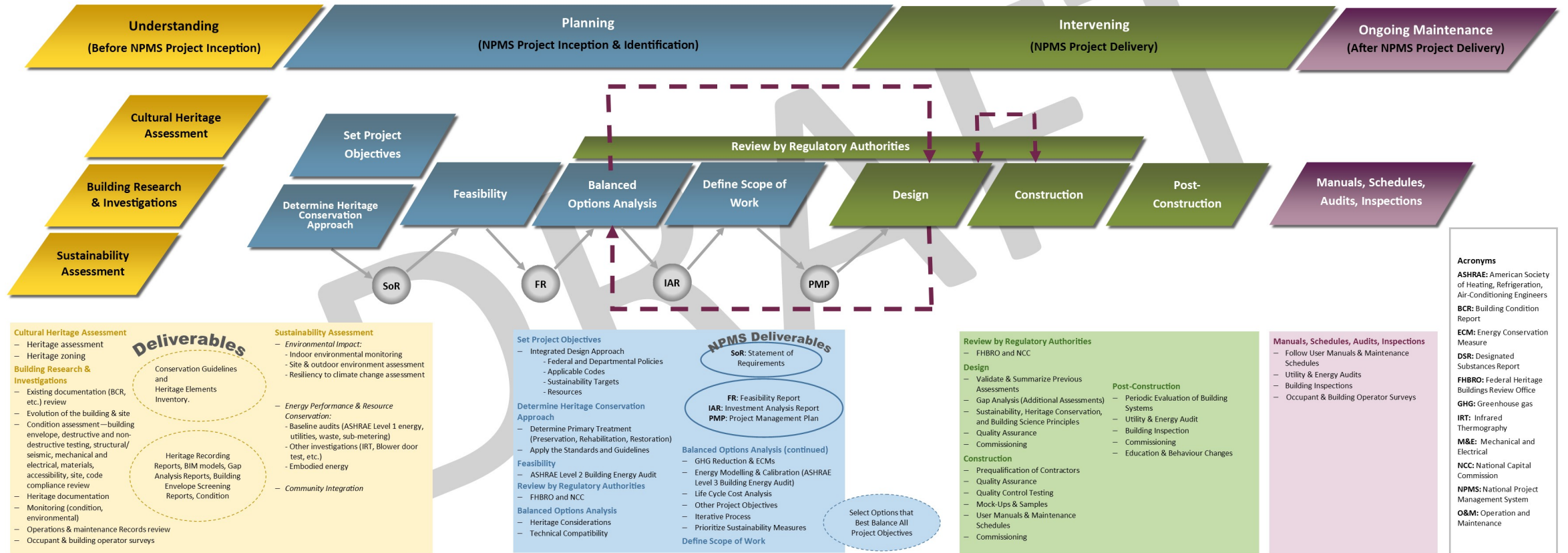
Great colleagues

Meaningful connections

# The Process

## Evidence Based Decision-Making Process for Optimizing Sustainability of Heritage Buildings and Sites

PSPC & Consultant Multidisciplinary Team & Integrated Design



# Next Steps for the Guide

Consultation



Revision of  
Guide



Final  
Document



HOT2000

eQuest

WUFI

EnergyPlus and  
OpenStudio

ESP-R

# Building Performance Simulation Software Tools





# What I Learned



- ▶ Sustainability is so much more than just focusing on energy
- ▶ You can get a lot done in four months with consistent hard work
- ▶ Collaboration and feedback is key to create something great
- ▶ Focus on putting work into learning your craft and you will succeed
- ▶ We are not machines, we are human
- ▶ Make the most of every opportunity
- ▶ HCS is a great place to work!
- ▶ Pursue your passion and success will follow

# Thank You



- ▶ NSERC CREATE Heritage Engineering Program
- ▶ Carleton University
- ▶ Laurie Smith and Prof. Santana
- ▶ Sanskriti Singh and Ann De Mey
- ▶ Heritage Conservation Services (PSPC)