

NAPHN15 - October 2, 2015

Accelerating market transformation

Breakout for policy makers #2

Tom-Pierre Frappé-Sénéclauze, Pembina Institute

Grégoire Clerfayt, Brussels

Richard Yancey, Building Energy Exchange (NYC)

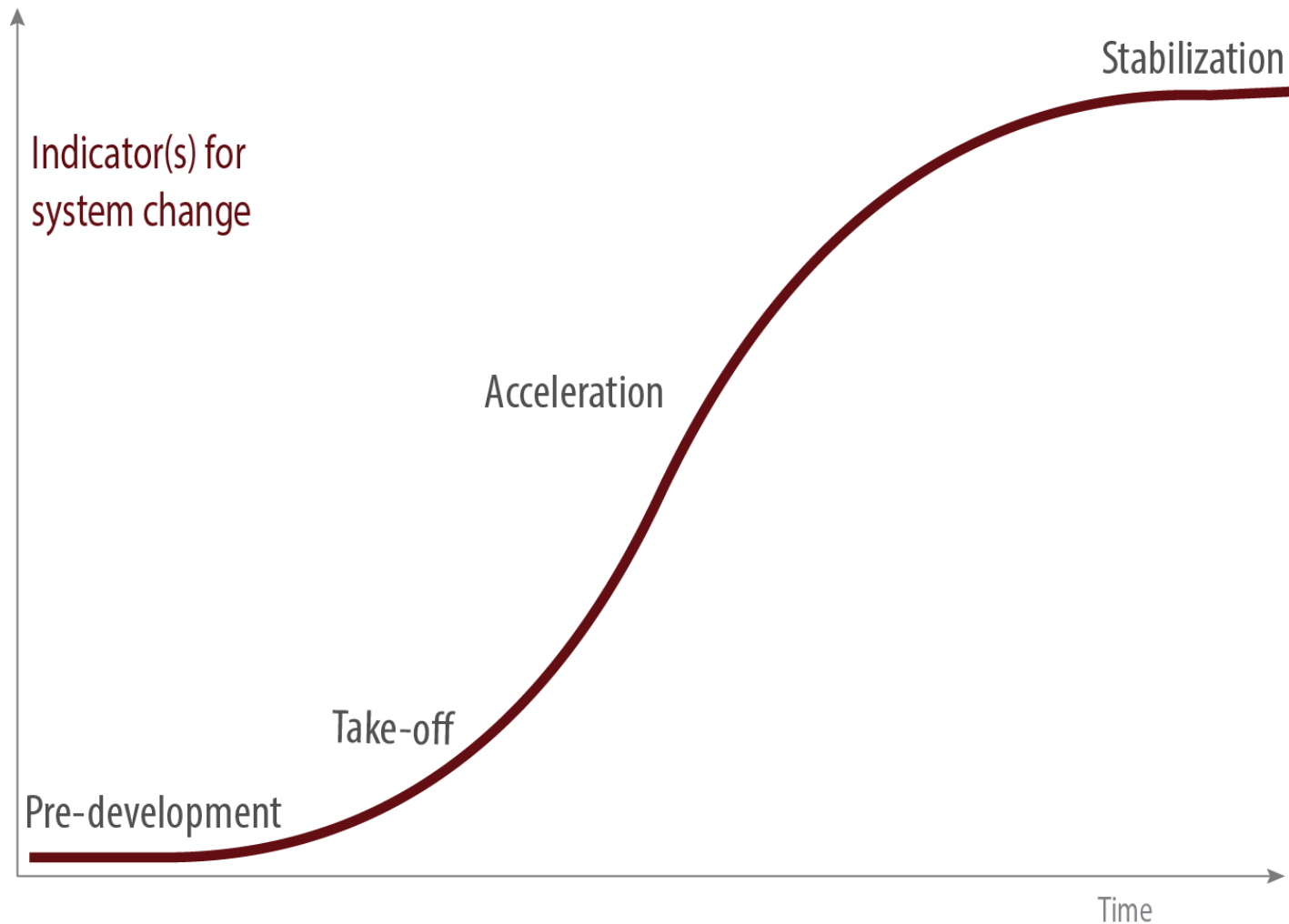
Lloyd Alter, TreeHugger.com

Leading Canada's transition to clean energy

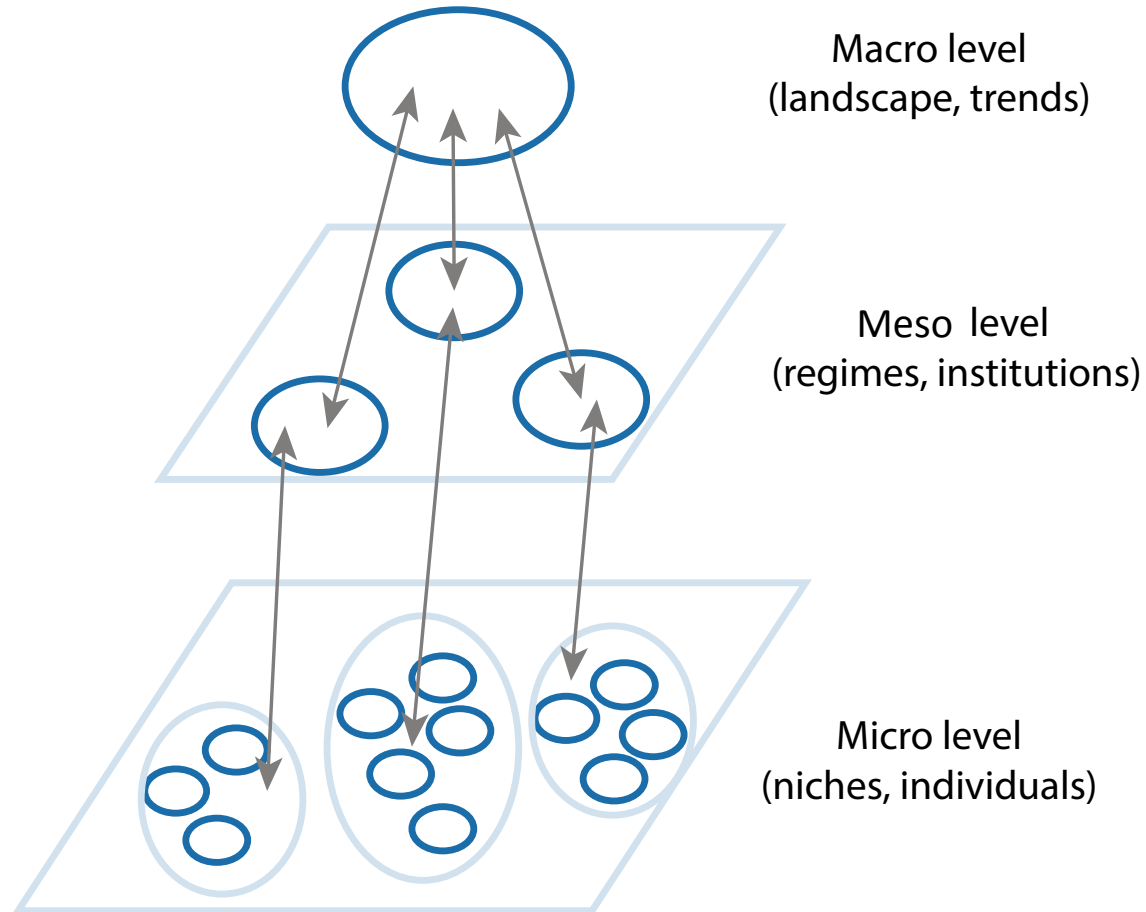
The Pembina Institute is a non-partisan think tank that seeks policy change to transition Canada to clean energy.



Market transformation



Market transformation: Bottom-up & Top-down



Passive buildings in NA

296 buildings

228 one or two family dwellings

42 multi-unit

26 commercial / institutional

784 dwellings

2/3 iPHI or PHIUS certified (or in process)

1/4 are on the PHI database

Barriers to passive design

1. Regulation and Political Agenda

2. Business case and financing

3. Capacity

4. Knowledge

5. Applied products

6. Awareness and communication

7. Quality Assurance

Early adopters: public sector

Frankfurt (DE, since 2007)	Lower Austria (AT, 2008)	Oslo (NW, since 2014)
Altach (AT, since 2007)	Leipzig (DE, since 2008)	Brussels* (BE, since 2015)
Bregenz (AT, since 2007)	Wei (AT, since 2008)	Luxembourg* (as of 2017)
Dornbirn (AT, since 2007)	Leverkusen* (DE, 2009)	School District of Darmstadt-Dieburg (DE)
Frastanz (AT, since 2007)	Bremen (DE, since 2010)	Kempton (DE)
Götzis (AT, since 2007)	Heidelberg (DE, since 2010)	District of Lippe (DE)
Hörbranz (AT, since 2007)	State of Hesse (DE, 2010)	Nuremberg* (DE)
Krumbach (AT, since 2007)	Cologne* (DE, since 2010)	Offenbach Harbour –
Langenegg (AT, since 2007)	Freiburg* (DE, since 2011)	Mainviertel* (DE)
Mäder (AT, since 2007)	Hamburg* (DE, since 2012)	State of Saarland (DE)
Rankweil (AT, since 2007)	Antwerp (BE, since 2013)	
Thüringen (AT, since 2007)	Walldorf* (DE, 2010)	... New York 2017?
Wolfurt (AT, since 2007)	State of Bavaria (DE, 2011)	... Vancouver 2018?
Zwischenwasser (AT, 2007)	Villamediana de Iregua	--- B.C. 2020?
Aschaffenburg (DE, 2008)	(SP, since 2013)	

** PH requirement goes beyond civic facilities*

Opportunity: land use



Opportunity: land use



Opportunity: land use



Early adopters: affordable housing



Orchards at Orenco, Portland (OR)

Rendering: Ankrom Mosian Architects

Improving business case: Incentives & market conditions

Increase Benefits

Cash incentives

Density bonusing

Faster sale, higher price
(consumer demand)

Recognition, visibility

Decrease Cost/Risk

Financing

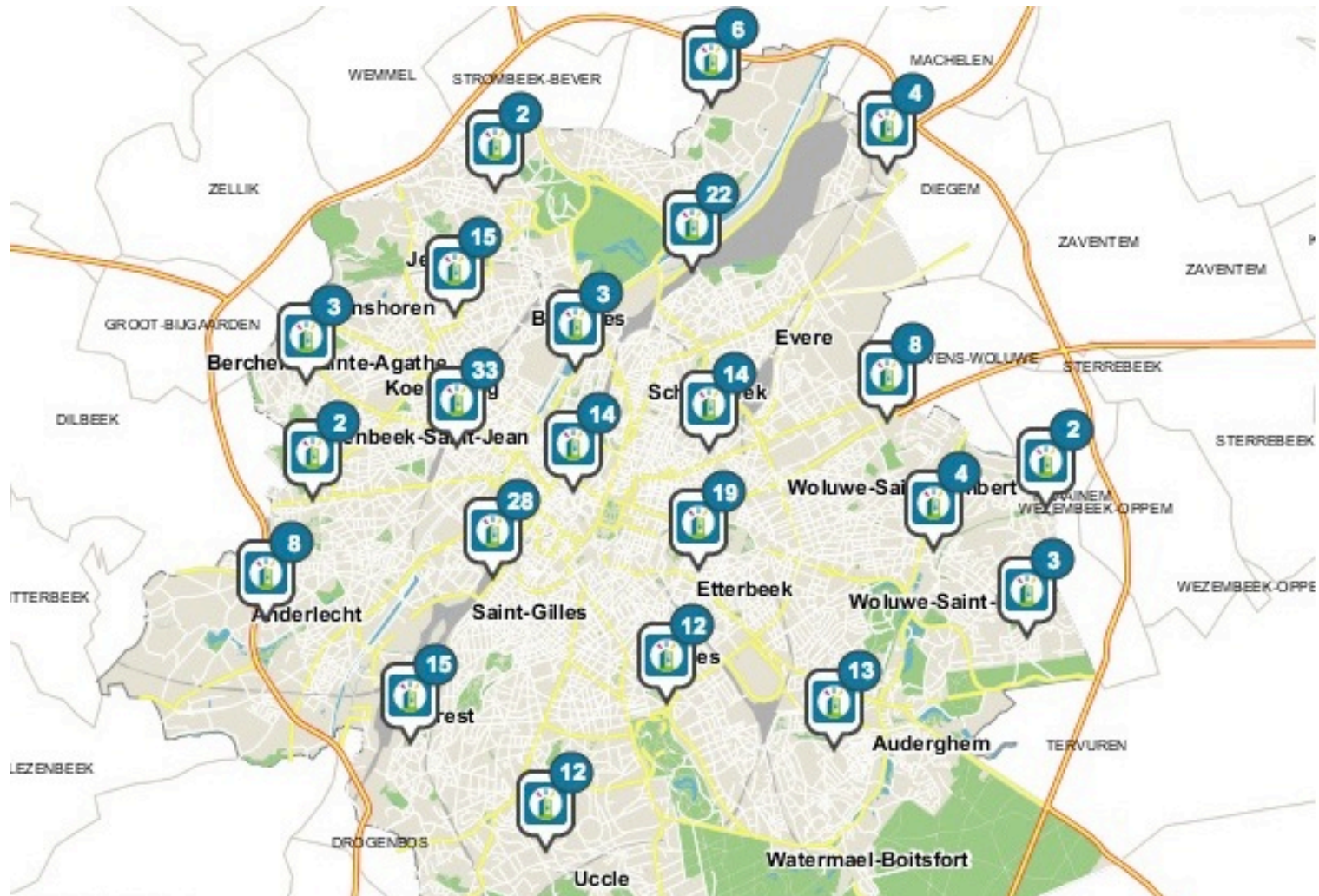
Streamlined permitting

Supply chain

PH-ready contractors



Brussels' BatEx Program



be.passive

A new quarterly magazine by **pmp** / **php**

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bonus

international

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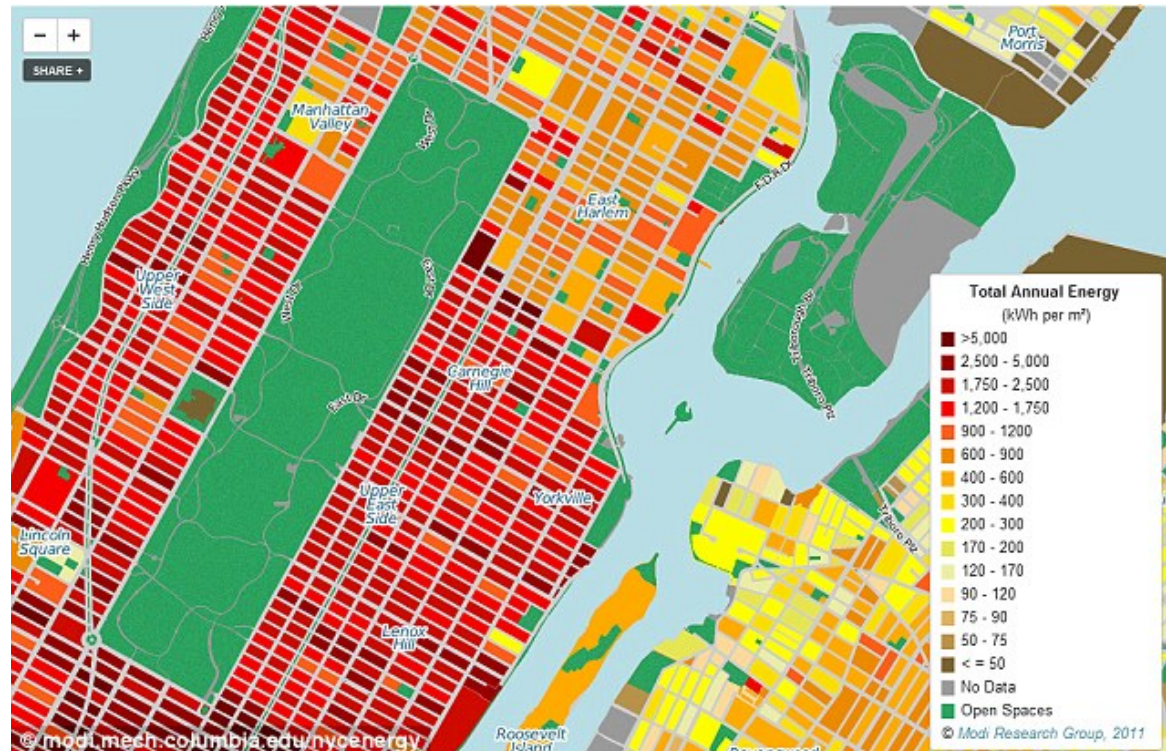
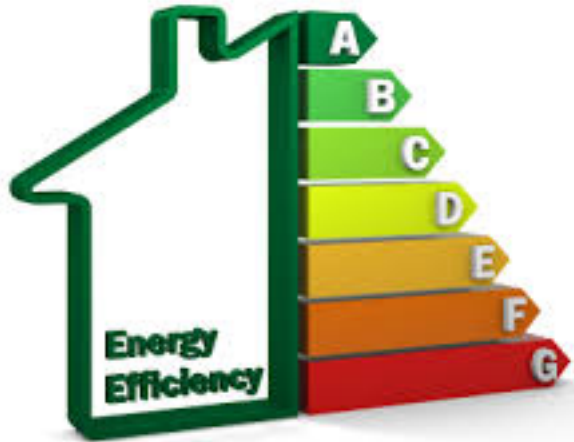
about



Capacity building: BCIT Factor Four project



Awareness and communication



are you normal?

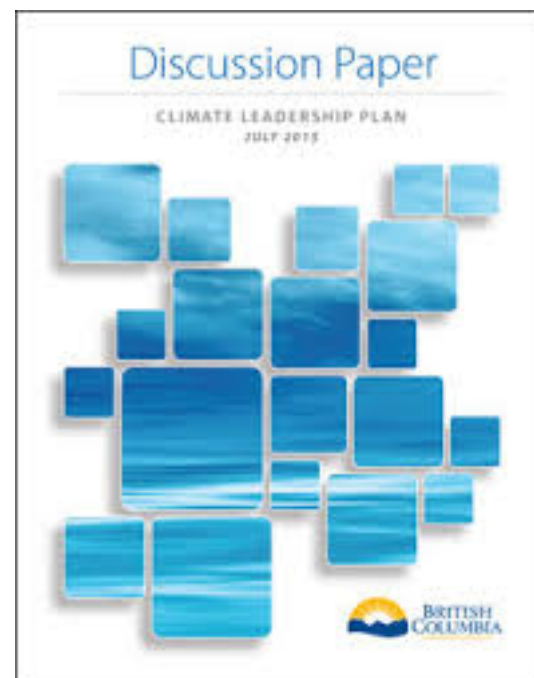
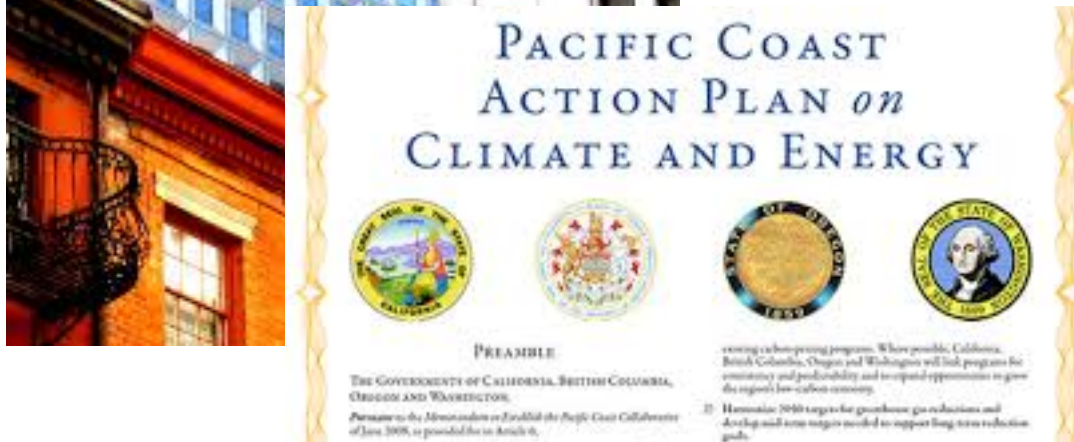
I work in a passivehouse but I'm normal ...



In your passivehouse, the most extraordinary is YOU



Political vision



Panelists

Grégoire Clerfayt: incentives

Manager Energy and Buildings, Institut Bruxellois pour la Gestion de l'Environnement (Brussels)

Sonia Zouari: public sector adoption

Project Architect and PH designer, CSV Architecture

Richard Yancey: capacity building

Executive Director, Building Energy Exchange (NYC)

Lloyd Alter: outreach strategies

Editor, TreeHugger.com

Questions?



Breakout tables

Table 1: Incentives and ‘exemplary building program’

Table 2: Capacity building & professional networks

Table 3: Corporate policies for public buildings

Table 4: Outreach & public education

What needs to be done?

Who does it?

Brainstorm, prioritize and report back!

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