



from
Belgium:
Passive
building
standards
as national
building
code
sinds 2 yr

BUILDINGENERGY NYC

MMA = A2M + FNA architects

Sebastian Moreno-Vacca

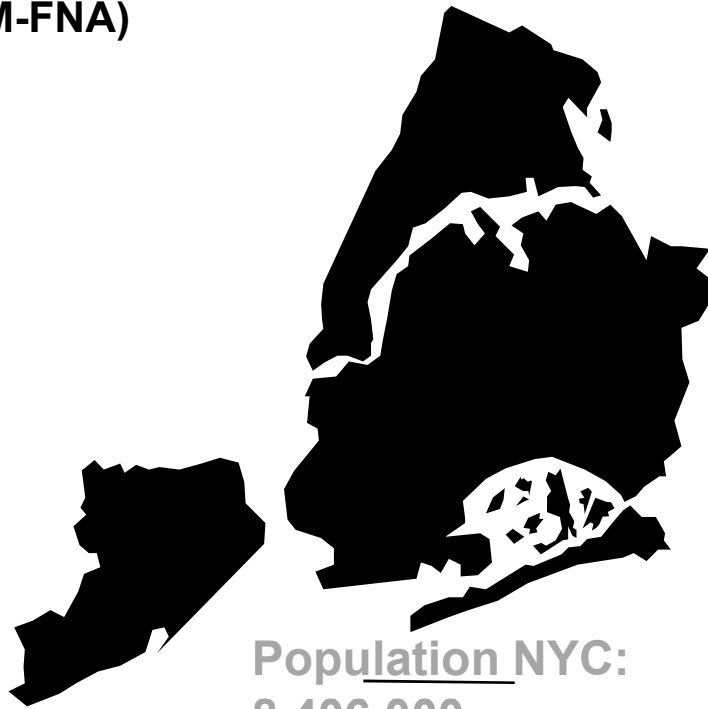
Architect, founding partner A2M architects

Professor at University of architecture ULB, BE

Director FFAST think tank

Vice-president GPBC

MMA (A2M-FNA)



Population NYC:
8 406 000

BUILDINGENERGY NYC



Population Brussels
1 132 781





**1
Develop
the local stock**

number of built passivehouse
buildings

Subsidy, incentives, yearly
RFP, 110 \$/sf

Stakeholders support
Training, guidance, etc

for FREE!

**2
Vote
strong energy
policy**

the passivehouse
law is voted

Then the market
reacted...

2012

2006

2007

2008

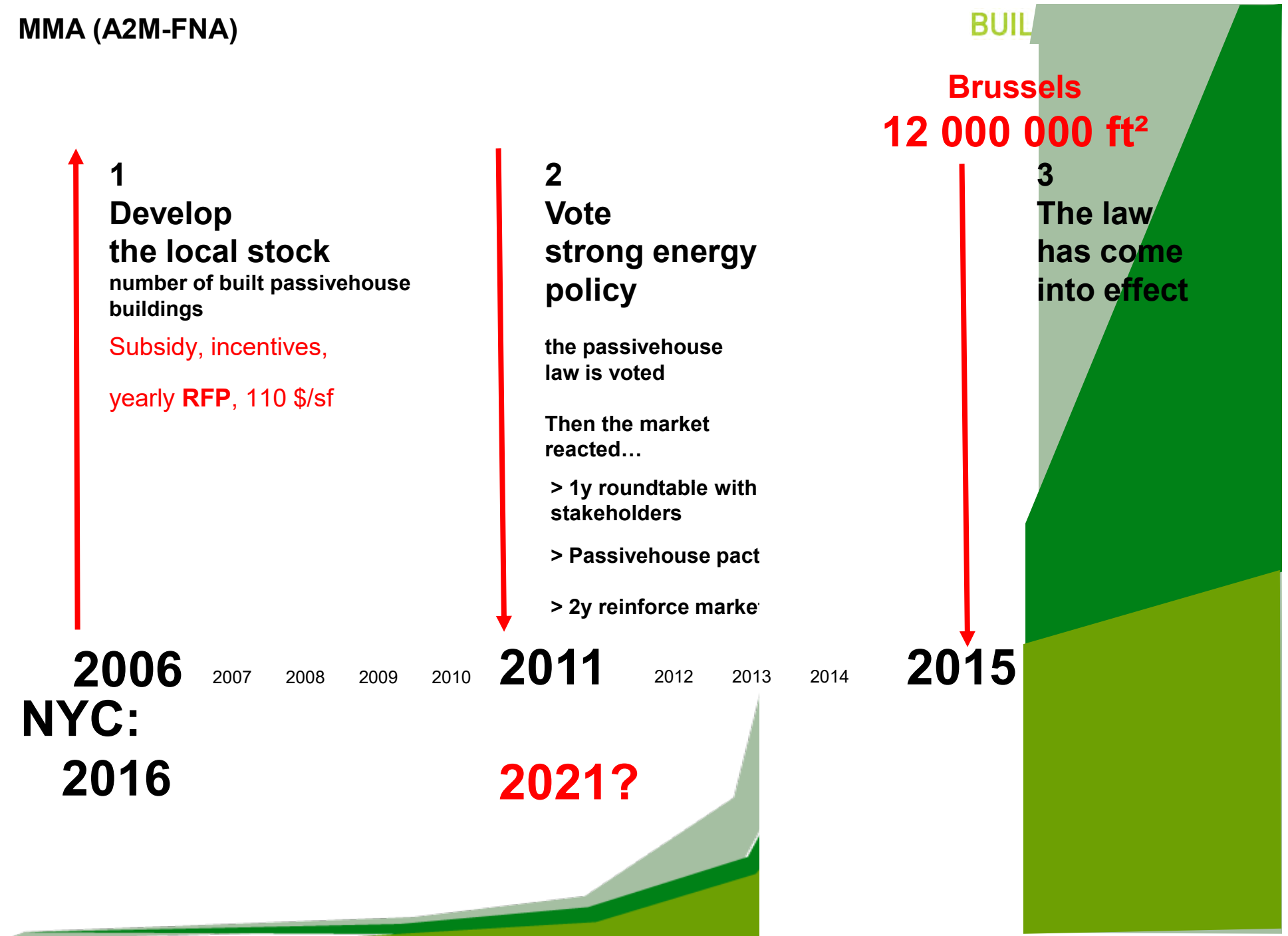
2009

2010

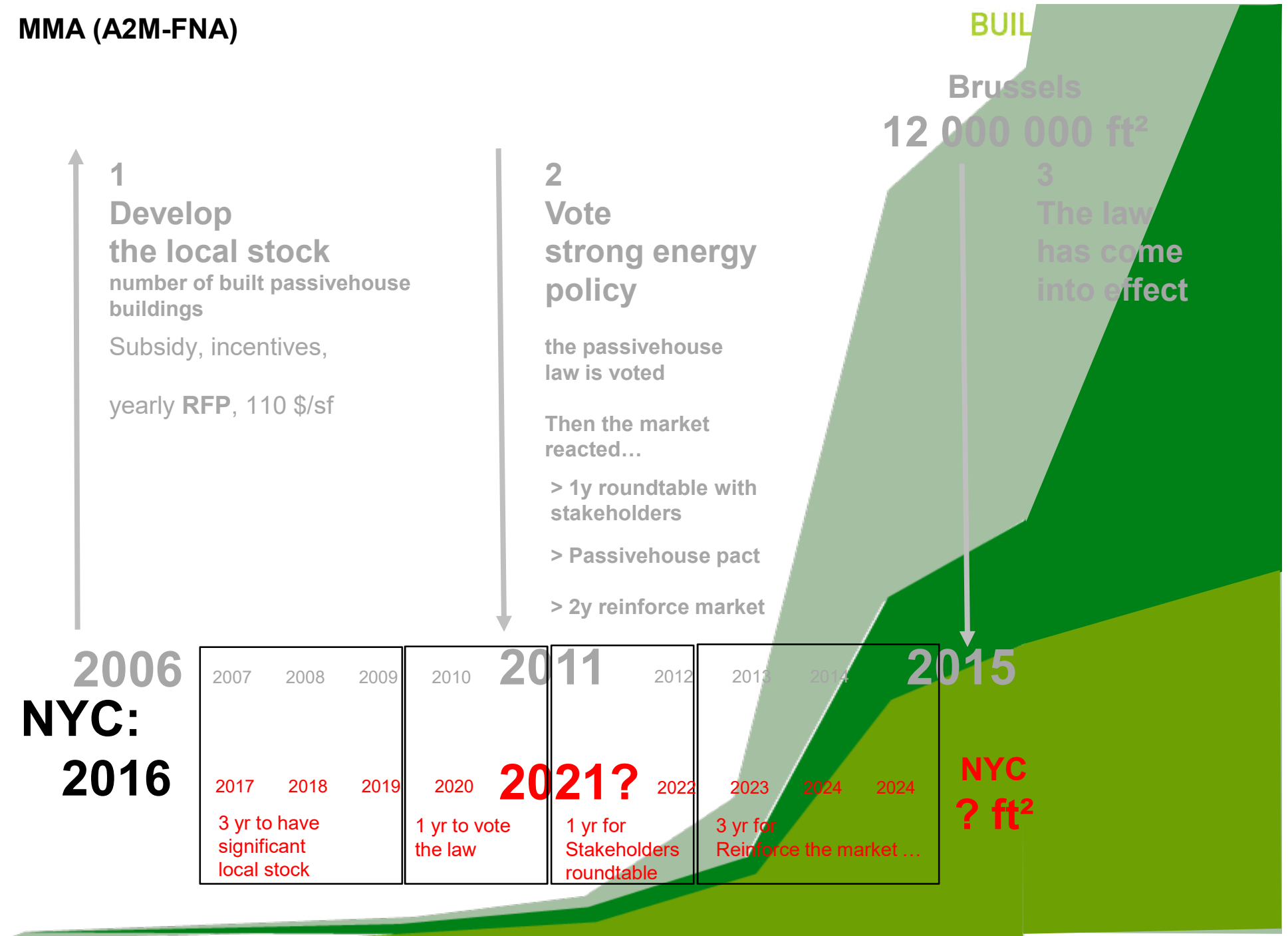
2011



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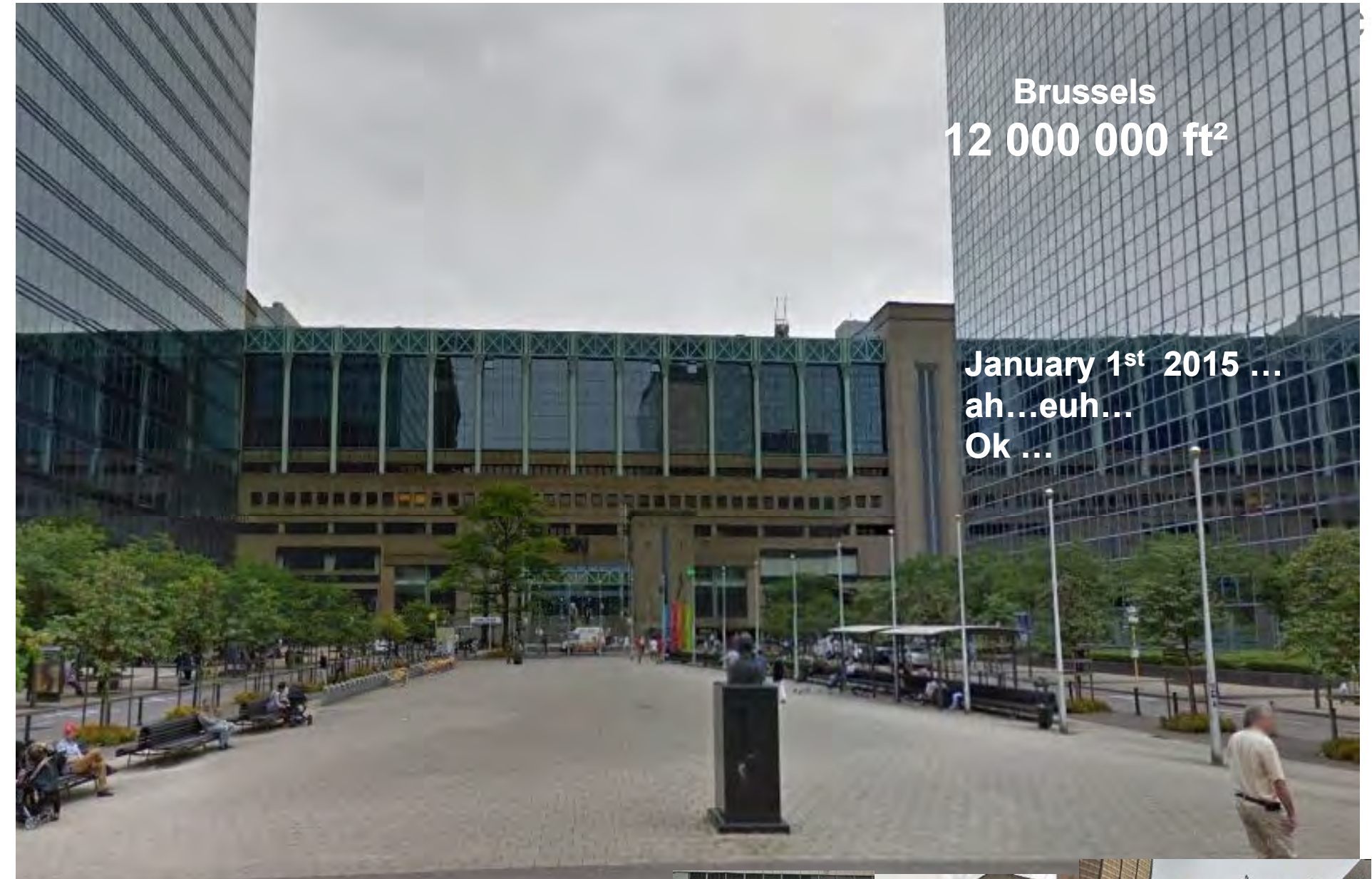


MMA (A2M-FNA)



Brussels
12 000 000 ft²

January 1st 2015 ...
ah...euh...
Ok ...

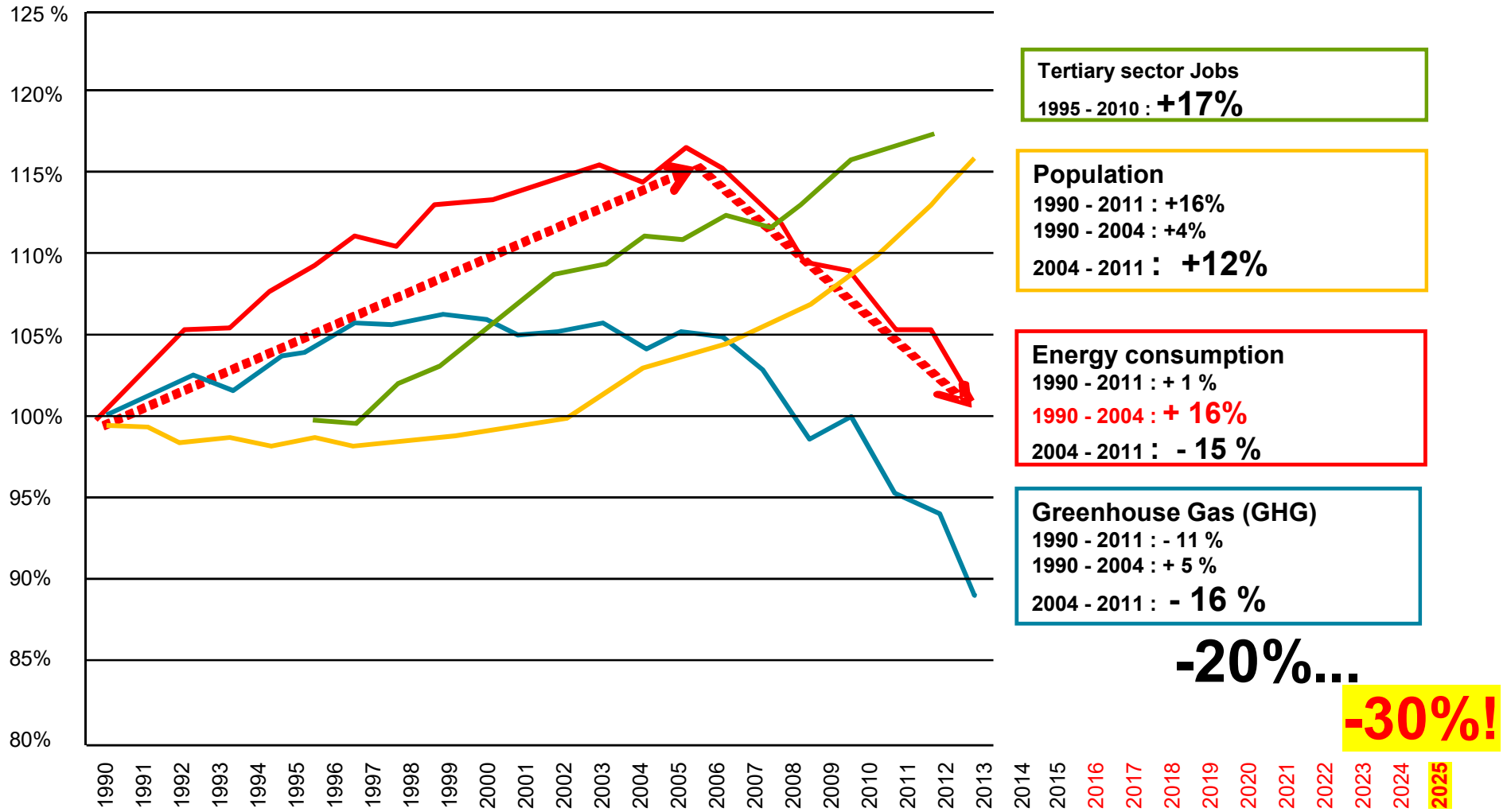


MMA

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Energy consumption & Greenhouse Gas evolution in Brussels
(With Climate correction)



**EU project: Passreg =
14 regions all over EU
> 3 front runners : H, I and Brussels**



The screenshot shows the PassReg website homepage. At the top is the PassReg logo and a navigation menu with items: PassReg, REACHING FOR SUCCESS, BEACONS, EVENTS, SOLUTIONS, NEWS, INFO MATERIAL, DELIVERABLES, NZEBs. The main content area features a large heading "PassReg" and a sub-heading "Passive House Regions with Renewable Energies". Below this is a paragraph describing the project as supported by Intelligent Energy Europe, involving 14 partners, 11 countries, and 3 years, with the goal of supporting the growth of Passive House regions. A call to action invites users to sign up for the PassReg network, free of charge, to stay updated on project progress and access a forum. A section titled "PassReg Brochure: Defining the Nearly Zero Energy Building" includes an image of the brochure cover and a text block explaining that the brochure is an accessible informational resource for PassReg regions, providing examples of how municipalities can implement NZEBs. On the right side of the page, there are several sidebar widgets: "JOIN THE PASSREG NETWORK" with links for Network Search, Login, and Admin area; "BEACON PROJECTS" with an image of a building; "2014 Passive House Award" with a link to view winners; "Solutions Open Source" with a link to a wealth of tools; "UPCOMING EVENTS" with links for Int'l Passive House Days (7-9 November 2014) and Int'l Passive House Conference (17-18 April 2015); "FORUM" with a link to a stakeholder meeting; and "FURTHER INFORMATION" with links to Passpedia and IPHA.

www.passreg.eu

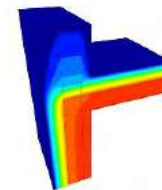


1st lesson



Sustainability
Mayor's Office of

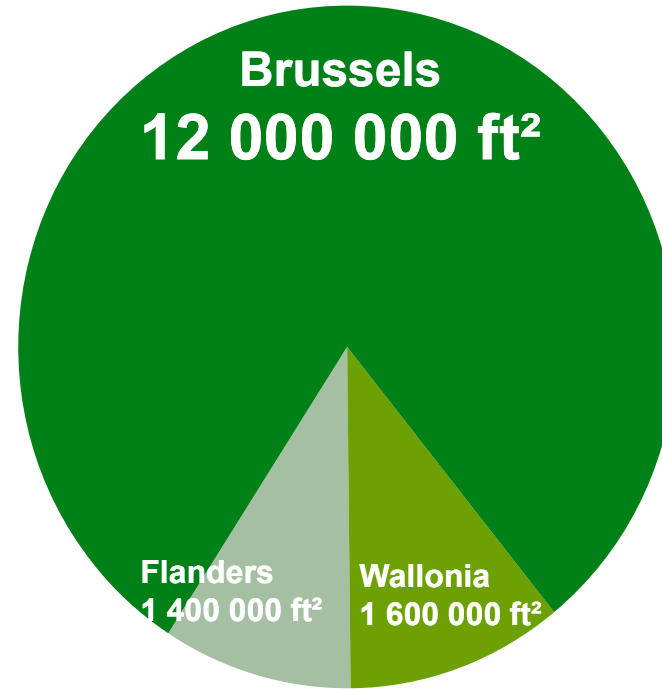
> Stakeholders support,
training, etc
+ FREE "guidance", free information (magazine)...



2nd lesson

**“Vote “once”
a strong
policy...”**

BAM International
7,4 milliards d'euros



2006
2007
2008
2009
2010
2011
2012
2013
2014
2015

3rd lesson

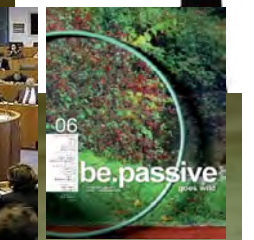
***“simple and
easy to
understand
targets...”***

BAM International
7,4 milliards d'euros

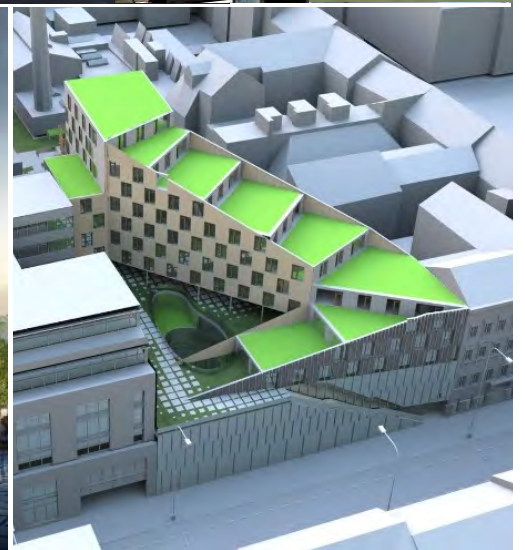
**Energy code:
based on Passivehouse
= 3 targets in the law**

- Heating demand < 4.75 kBtu/(ft²yr)
- Primary Energy* < 38 kBtu/(ft²yr)
- Airtightness < 0.6 V/h (ACH50)

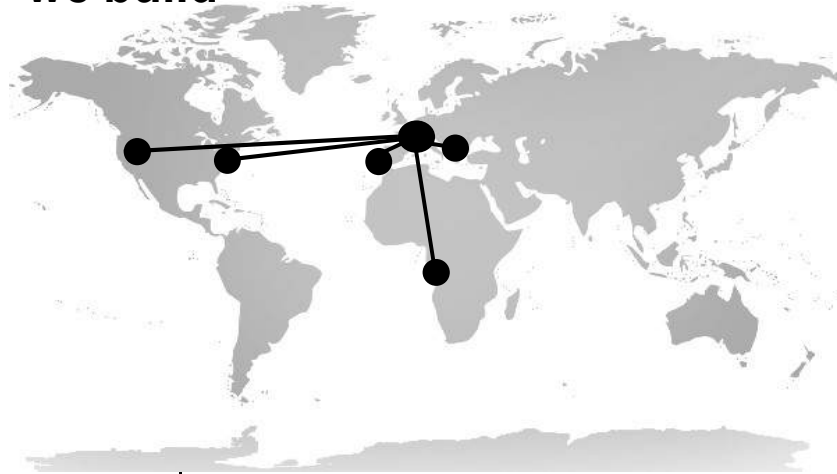




MMA(FNA+A2M)

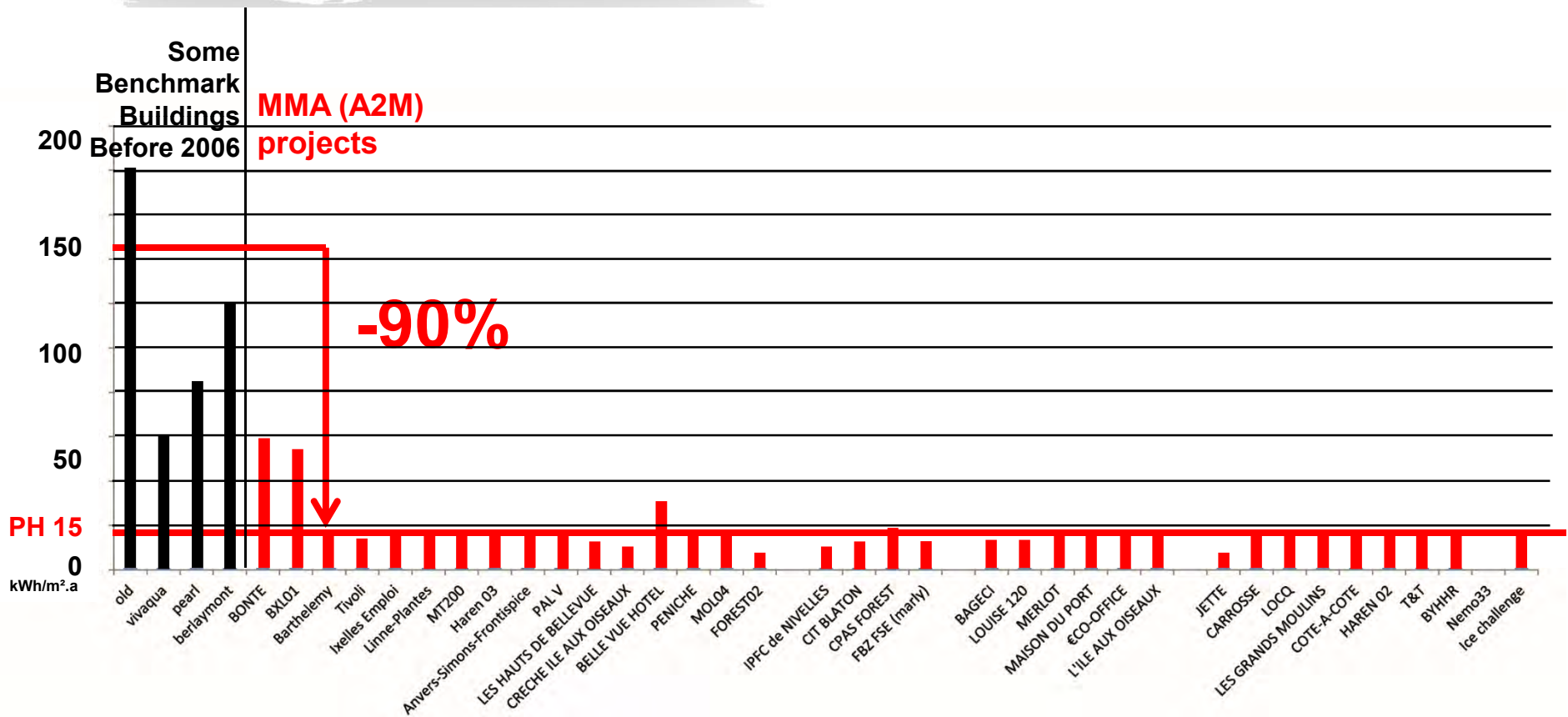
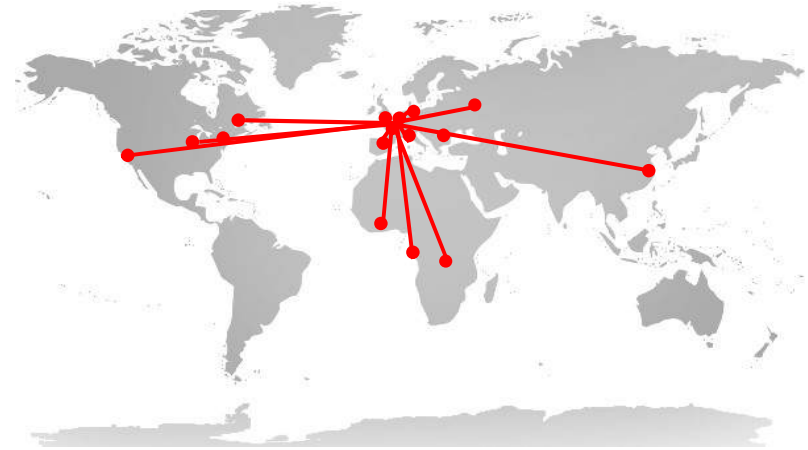


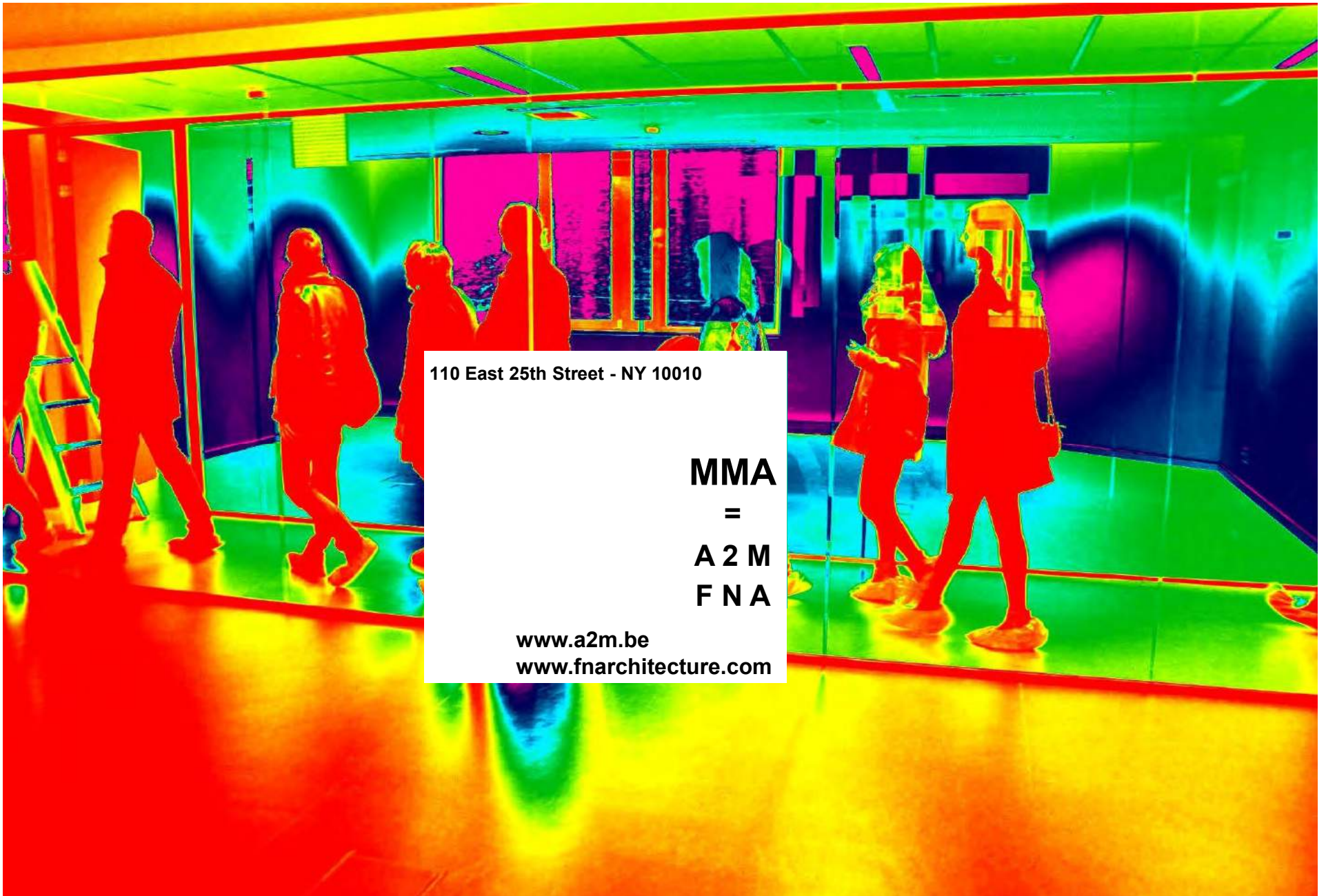
**MMA (A2M-FNA)
we build**



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we share





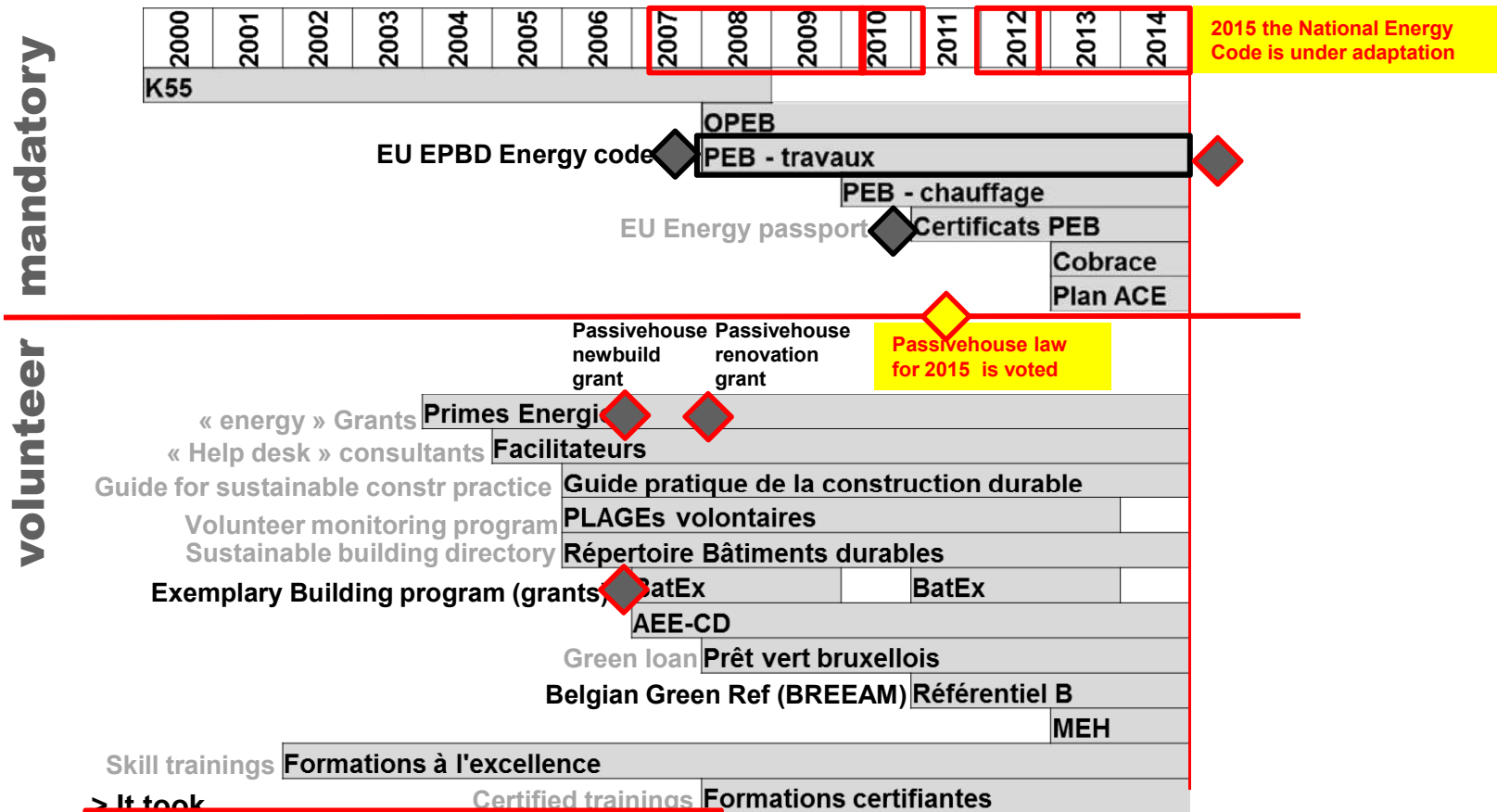
110 East 25th Street - NY 10010

MMA
=
A 2 M
F N A

www.a2m.be
www.fnarchitecture.com

MMA (A2M-FNA)

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mandatory

volunteer

- > It took
- 3 yr to have enough and significant local stock
 - 1 yr to vote the law (parliament and government)
 - 1 yr for the stakeholders roundtables
 - 2 yr to reinforced the market (trainings, communications, studies ...) , still running