

Getting Building Codes Right

*The importance of long term targets
and frequent revision cycles.*

13th November 2013

Overview

- *Global Buildings Performance Network* – Who we are and what we do
- Rationale for the webinar series
- GBPN Policy Comparative Tool
 - Methodology
 - Key results
- Dynamic Process -Long term targets and frequent revisions cycles
- Upcoming webinars

Our mission is to significantly reduce greenhouse gas emissions associated with building energy use by



Building Policies for a Better World

Transforming

Policies and markets

GBPN

Global Center

Conducting cross-cutting research and analysis

Connecting regional institutions, and share the best thinking building energy and GHG policy.

Communicating progress toward achieving the GHG abatement potential of the building sector

Offering world class energy efficiency expertise to policy makers and business leaders

Harvesting best practices policies in building energy efficiency and performance.

Advancing policies and programs that promote low carbon, energy & efficient buildings.



IMT



BPIE

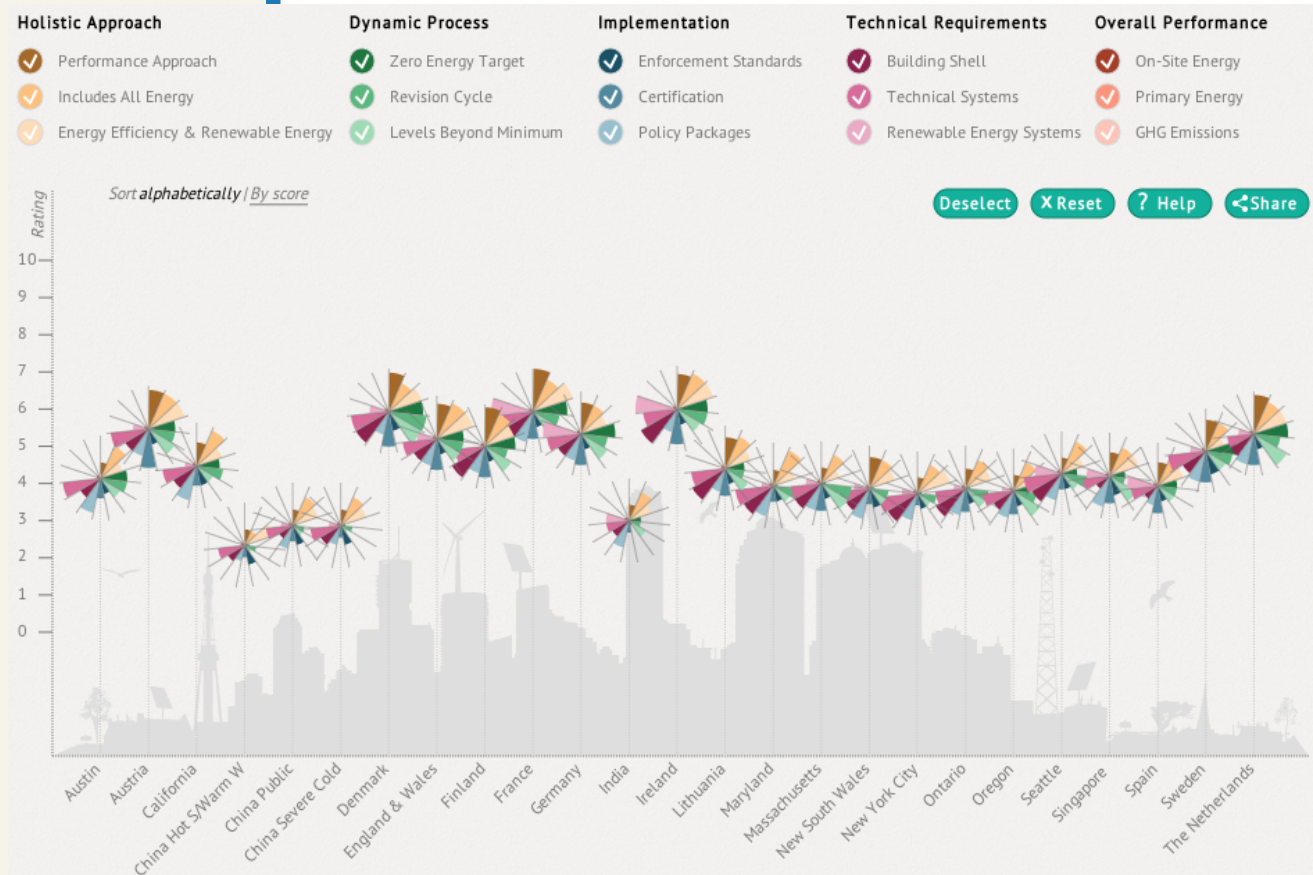
Rationale

Learning from current best practice building energy codes.

- How have countries practically implemented such best practices?
- What challenges and opportunities have been faced?
- What are the key lessons learned?
- How can these best practices be transferred?

GBPN Policy Comparative Tool

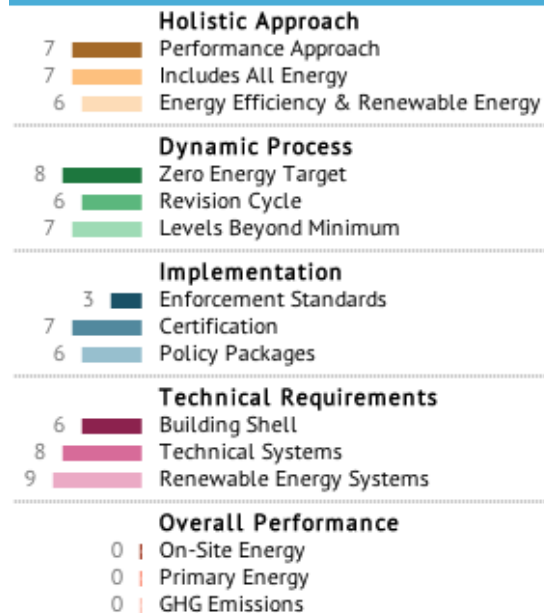
- **Identifies key themes and elements** that support the development of policy packages that drive the building stock towards zero energy
- **Analyses and compares best practice building codes** based on the themes and elements identified.



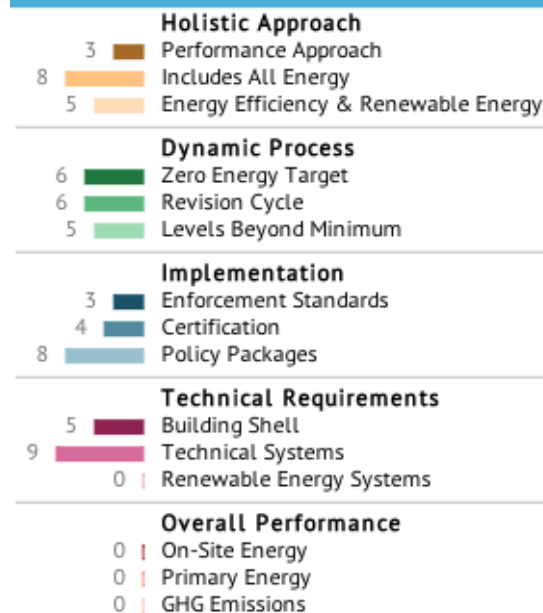
Methodology

Holistic Approach	Dynamic Process	Implementation	Technical Requirements	Overall Performance
✓ Performance Approach	✓ Zero Energy Target	✓ Enforcement Standards	✓ Building Shell	✓ On-Site Energy
✓ Includes All Energy	✓ Revision Cycle	✓ Certification	✓ Technical Systems	✓ Primary Energy
✓ Energy Efficiency & Renewable Energy	✓ Levels Beyond Minimum	✓ Policy Packages	✓ Renewable Energy Systems	✓ GHG Emissions

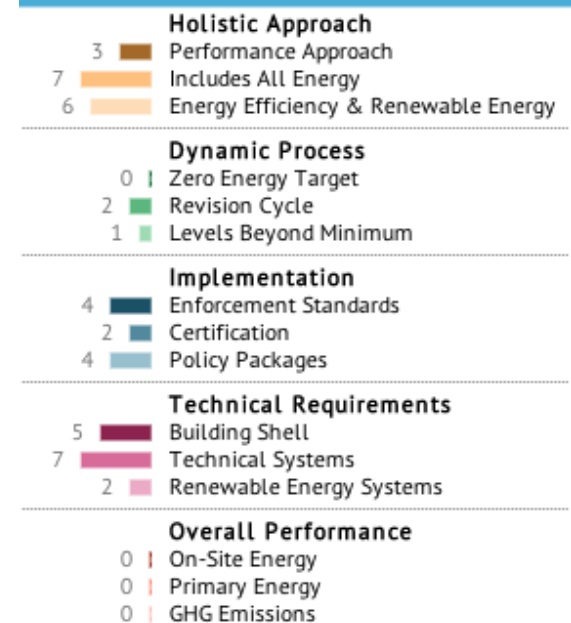
Germany



Austin

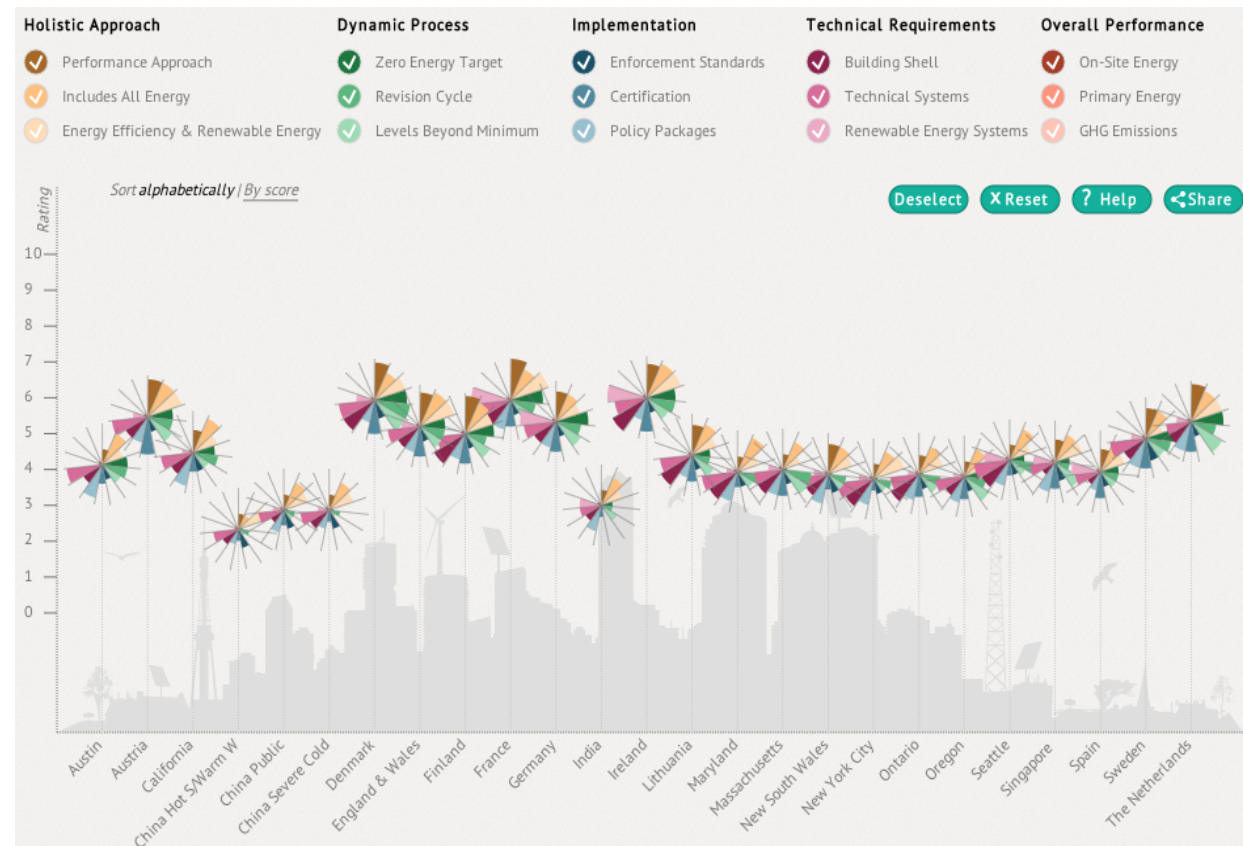


China Severe Cold



Key Findings

- Technical elements well addressed in most codes
- Strong policy packages to support codes in place in many countries
- Need for binding Zero-Energy Targets and clear roadmap towards zero energy
- Absence of overall performance values
- Need to address



Dynamic Process

- Ambitious long term energy targets
- Realistic time frame
- Frequent revisions cycles
- Appropriate roadmap
- Supporting policy packages



Zero Energy Targets



Revision Cycles



Levels Beyond Minimum



Conclusion

- Need for stronger zero energy targets supported by frequent revision cycles
- Many positive examples of how countries have practically implemented these targets and achieved results
- Insights from codes at different stages of development to be discussed in the following presentations:
 - What were the key drivers for change?
 - What was the political context at the time of the development of the code?
 - What was the market context?

Webinar Series

- Webinar 1: **Importance of long term energy targets and frequent revisions** – 13 November 2013
- Webinar 2: **The importance of a performance based approach to code design** – 11 December 2013
- Webinar 3: **Addressing enforcement** – 15 January 2013



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Thank you!

Let's stay in touch ...

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Follow us on Twitter: [@GBPNetwork](https://twitter.com/GBPNetwork)

Ask us a question: project@gbpn.org