

# Philippines: An Overview of Efforts Towards Energy Efficient Buildings

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# 17th GREEN FORUM

TOWARDS A CLIMATE-SMART BUILT ENVIRONMENT FOR THE PHILIPPINES



Empowered lives. Resilient nations.



**GRASS**  
GREEN RESTORATIVE ACTIONS & SUSTAINABLE SOLUTIONS  
#GRASSActionLeader



green  
AA  
GREENARCHITECTUREADVOCACYPHILIPPINES

# HEAT INDEX

(INIT FACTOR)

# 40°C

TEMPERATURE

# 37°C

HUMIDITY

# 38%



# DANGER

1:40 PM PST  
MAY 17, 2021

PAGASA SCIENCE GARDEN, QUEZON CITY



Quezon City Disaster Risk Reduction and Management Council  
Facebook Page

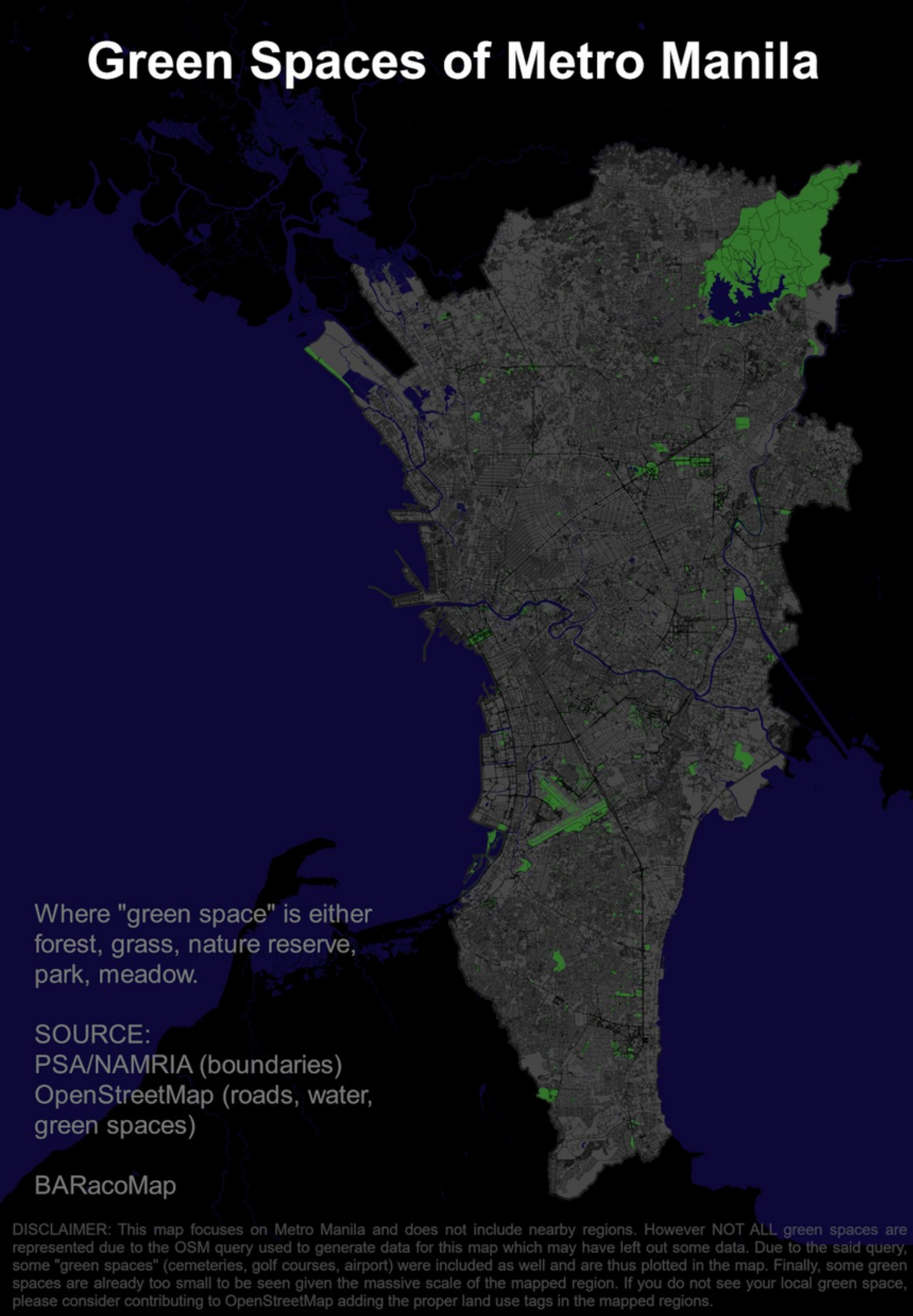
# Green Spaces of Metro Manila

Metro Manila Total Area:

55,922.22 ha

Population:

12.8 million (2015)



Where "green space" is either forest, grass, nature reserve, park, meadow.

SOURCE:  
PSA/NAMRIA (boundaries)  
OpenStreetMap (roads, water, green spaces)

BARacoMap

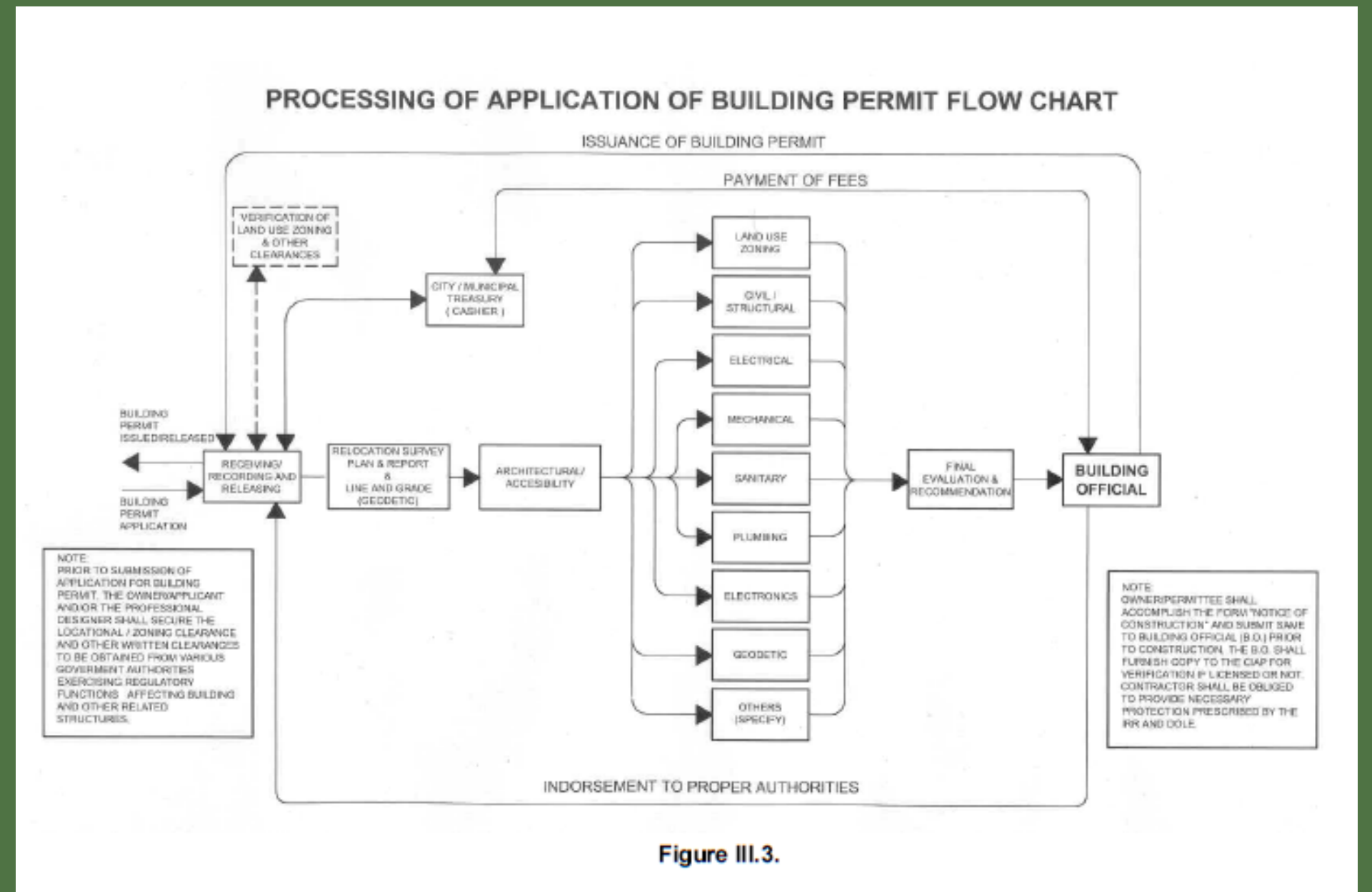
DISCLAIMER: This map focuses on Metro Manila and does not include nearby regions. However NOT ALL green spaces are represented due to the OSM query used to generate data for this map which may have left out some data. Due to the said query, some "green spaces" (cemeteries, golf courses, airport) were included as well and are thus plotted in the map. Finally, some green spaces are already too small to be seen given the massive scale of the mapped region. If you do not see your local green space, please consider contributing to OpenStreetMap adding the proper land use tags in the mapped regions.

# Codes & Standards

## National Building Code of the Philippines (1972)

### Revised Implementing Rules & Regulations (2004)

Proponent: Department of Public Works & Highways



Building Permit Application via the city/Local Government Unit (LGU)

# Codes & Standards

## PHILIPPINE GREEN BUILDING CODE



**IFC**

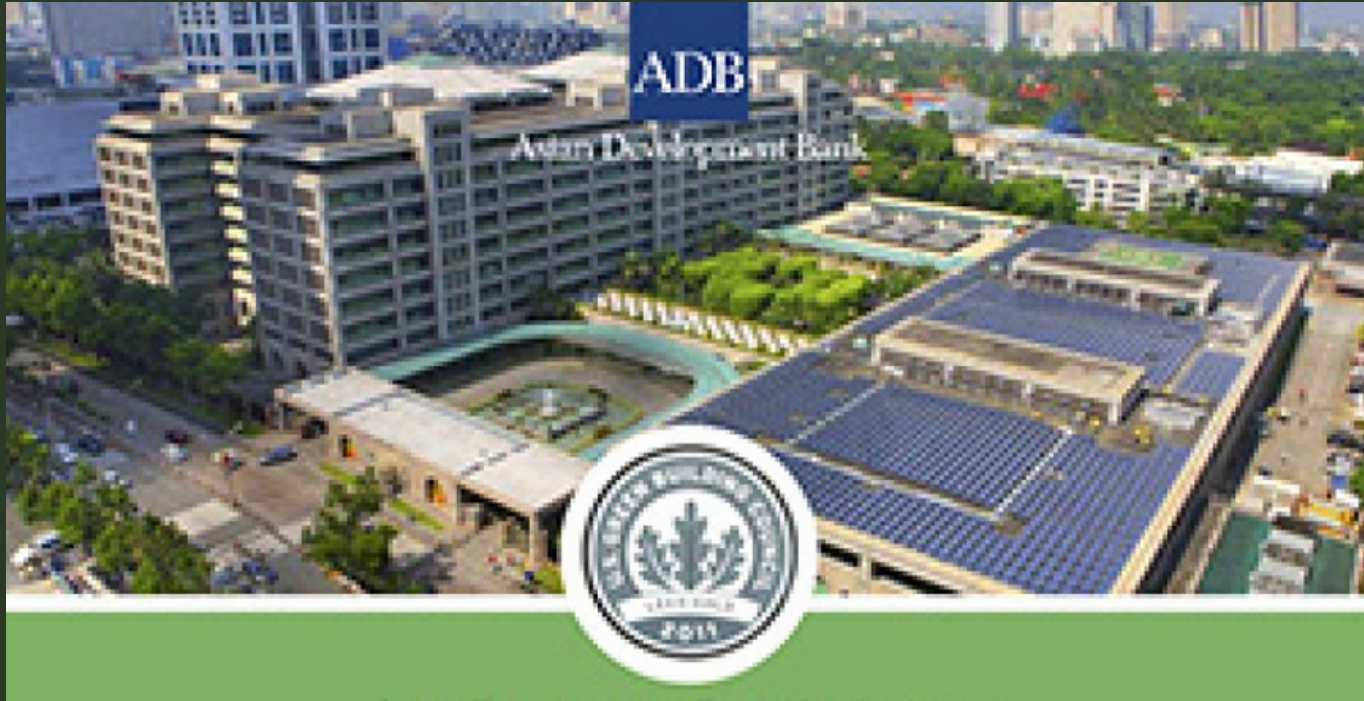
International  
Finance Corporation  
WORLD BANK GROUP

2015

# Voluntary Green Building Rating Systems



# Green Buildings



2011 ADB HQ



2017 SM Aura

2013  
Zuellig Building



2019  
Net Park Plaza





# Where Will We Be 80 Years from NOW?



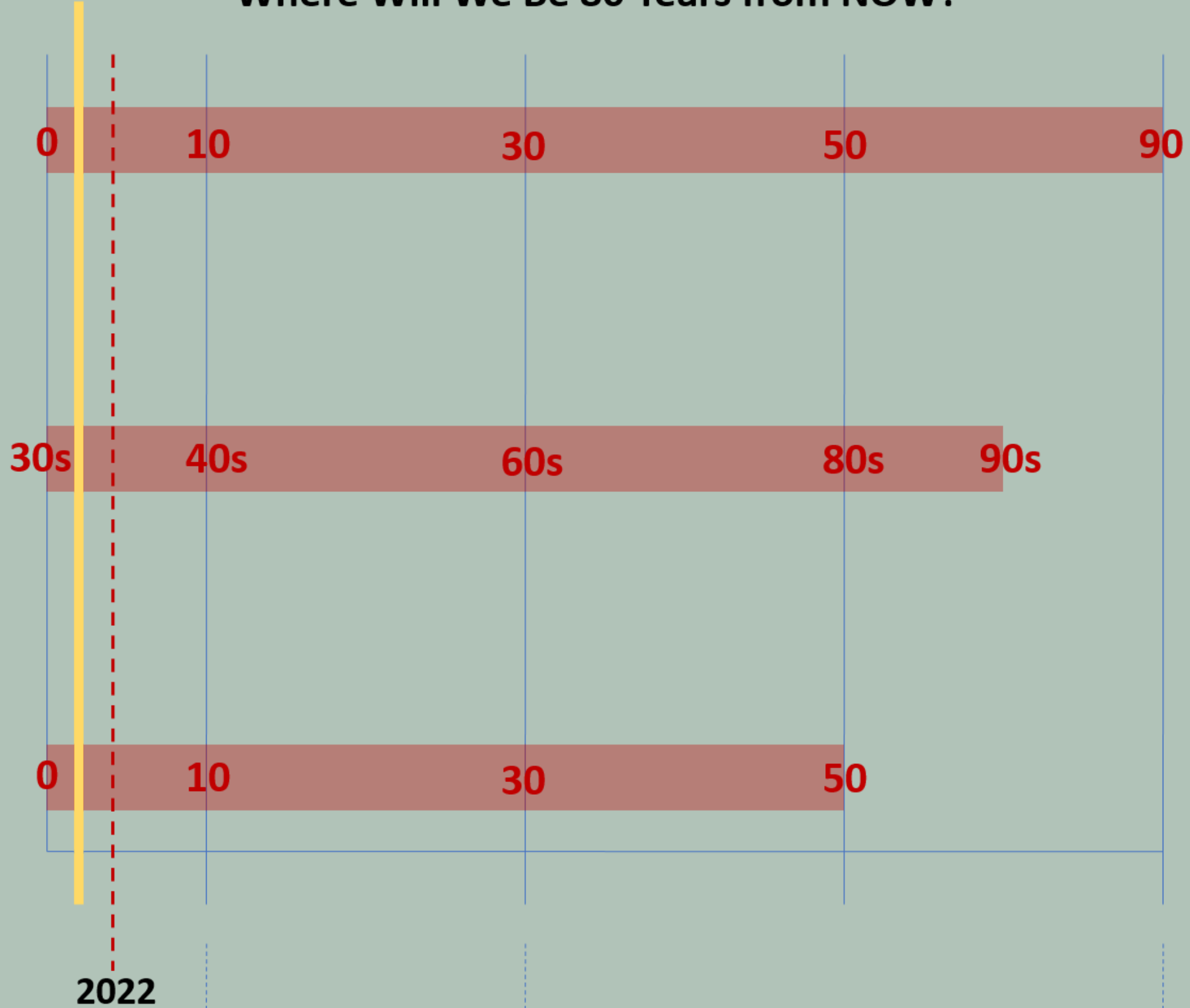
Gen Z



Millennial



Building



2022

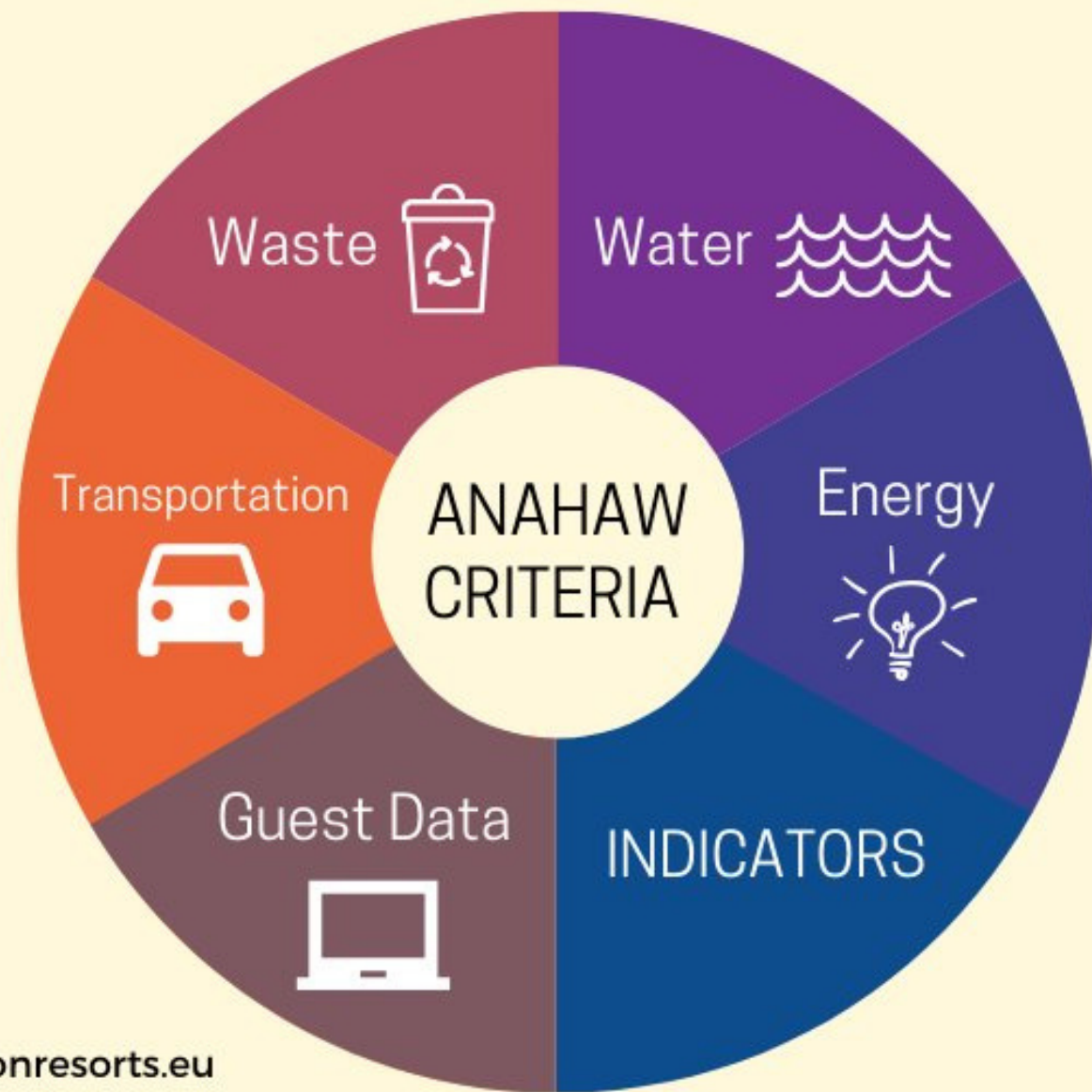
Mass Vaccine for COVID-19 developed, end of Social Distancing

UN SDGs achieved

Net-Zero Achieved

Climate Stabilizes at +1.5C

# Demonstration Cottage in Palawan (2015)



bonresorts.eu

**Zero Carbon Resorts**  
For Sustainable Tourism

**ANAHAW**  
Philippine Sustainable Tourism Certification  
developed by the Zero Carbon Resorts Project



<https://www.energy-innovation-austria.at/article/zero-carbon-resorts-2/?lang=en>



## Subheading

**Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.**

Bruntland Report, 1987