

A photograph of a cobblestone pier at sunset. Long, dark shadows of people are cast across the cobblestones from the right. In the background, a white ferry boat is docked, and a smaller boat with the name 'MARIEFR' is visible. The sky is a warm orange color.

GREAT EVENTS CASTS THEIR SHADOW AHEAD

URBAN LEARNING to get in
touch with DECARBONISATION

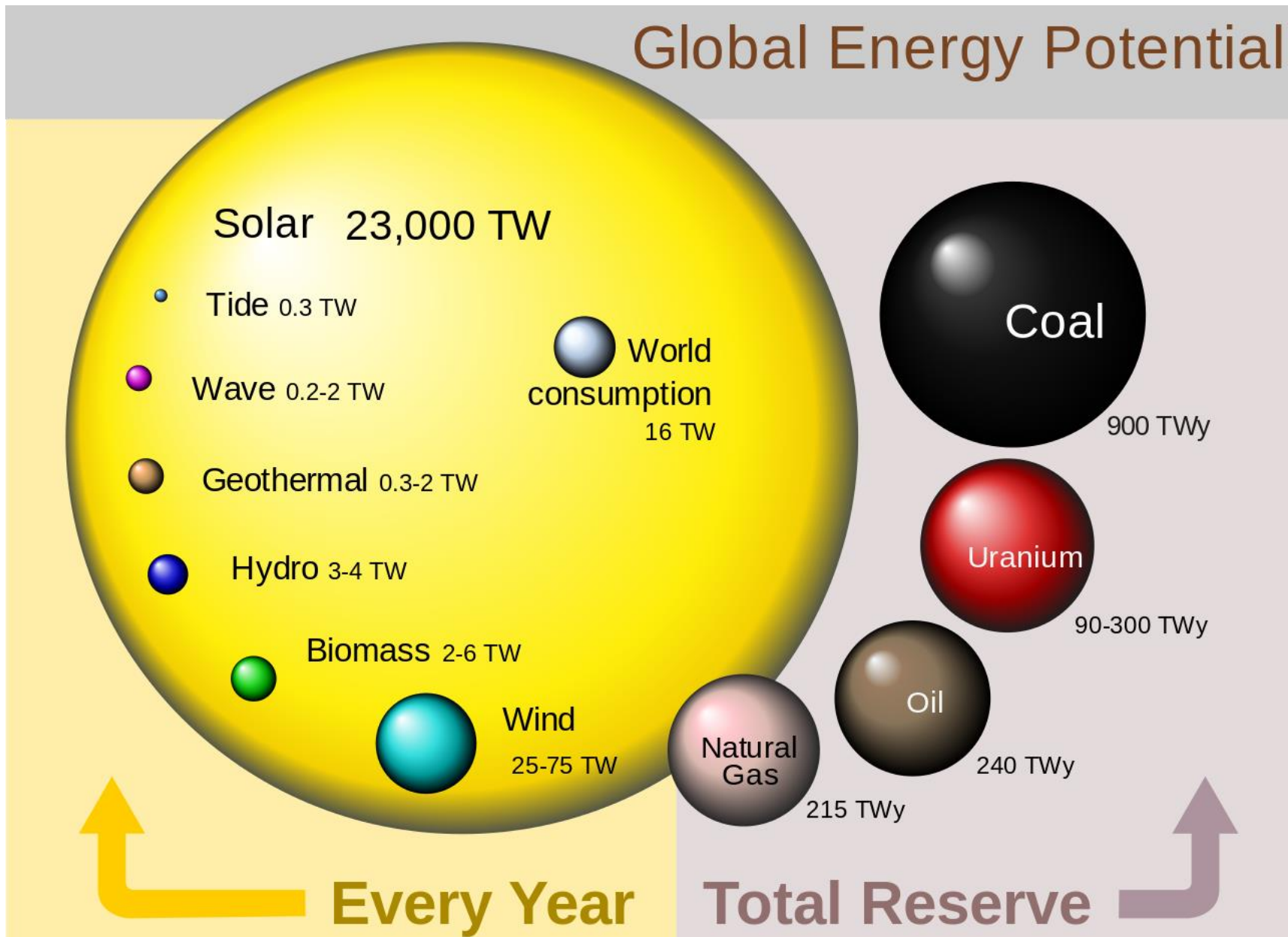


OF COURSE
FUTURE
STARTS
NOW!

WE HAVE TO
DEVELOP
RENEWABLES
LIKE THIS!

THAT'S THE
WAY TO CO2
FREE CITIES!

Global Energy Potential



MORE ELECTRICITY



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“I'm not afraid
to fly in the solar plane, I'm afraid to live in a world
in which we consume one million tons of oil
every hour. This makes no sense at all.”

BERTRAND PICCARD





Handelsbanken

Handelsbanken



TEK



ONLINE



LJX 659

VI ÄLSKAR STOCKHOLM
Clear Channel

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VOIE RÉSERVÉE
AUX CYCLISTES
ET AUX PIÉTONS
de 10 H à 19 H







A photograph of four people in a courtyard with large stone arches. The image is overlaid with comic-style speech bubbles. On the left, a man in a blue shirt and sunglasses is gesturing with his hand. Next to him, a man with a beard and glasses is scratching his head. In the center, a woman with red hair and glasses is holding a smartphone. On the right, a man in a light blue suit is walking. The background shows a large building with arches and a crowd of people in the distance.

YOU REALLY HAVE TO
INTEGRATE ENERGY
PLANNING INTO YOUR
DAILY BUSINESS!

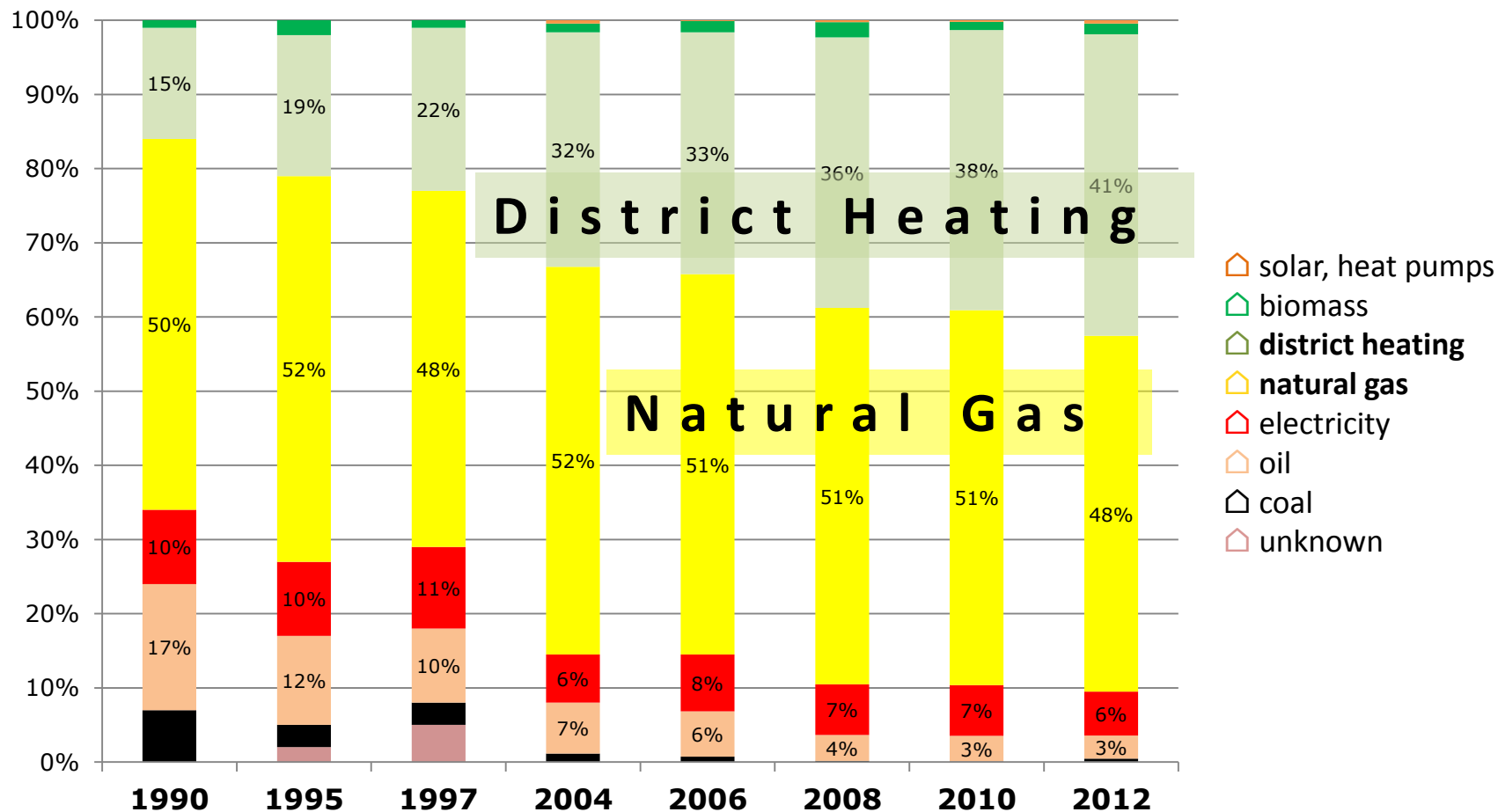
DID I GET
IT RIGHT!

OTHER CITIES
SAME KIND OF
CITY
PLANNERS!

DECARBONIZATION

➡ 3 MISSIONS FOR CITY PLANNERS AND ENERGY PLANNERS...

MISSION 1 : NO COAL AND OIL



MISSION₂ : REDUCE

Since 2000:

- ▶ Renovation (incl. improvement of energy performance) of buildings with 208.000 flats.
- ▶ Minus 340.000 t CO₂ = 20 % of total CO₂ emissions of the building sector.



MISSION 3



1. shift district heating systems to renewables and waste heat

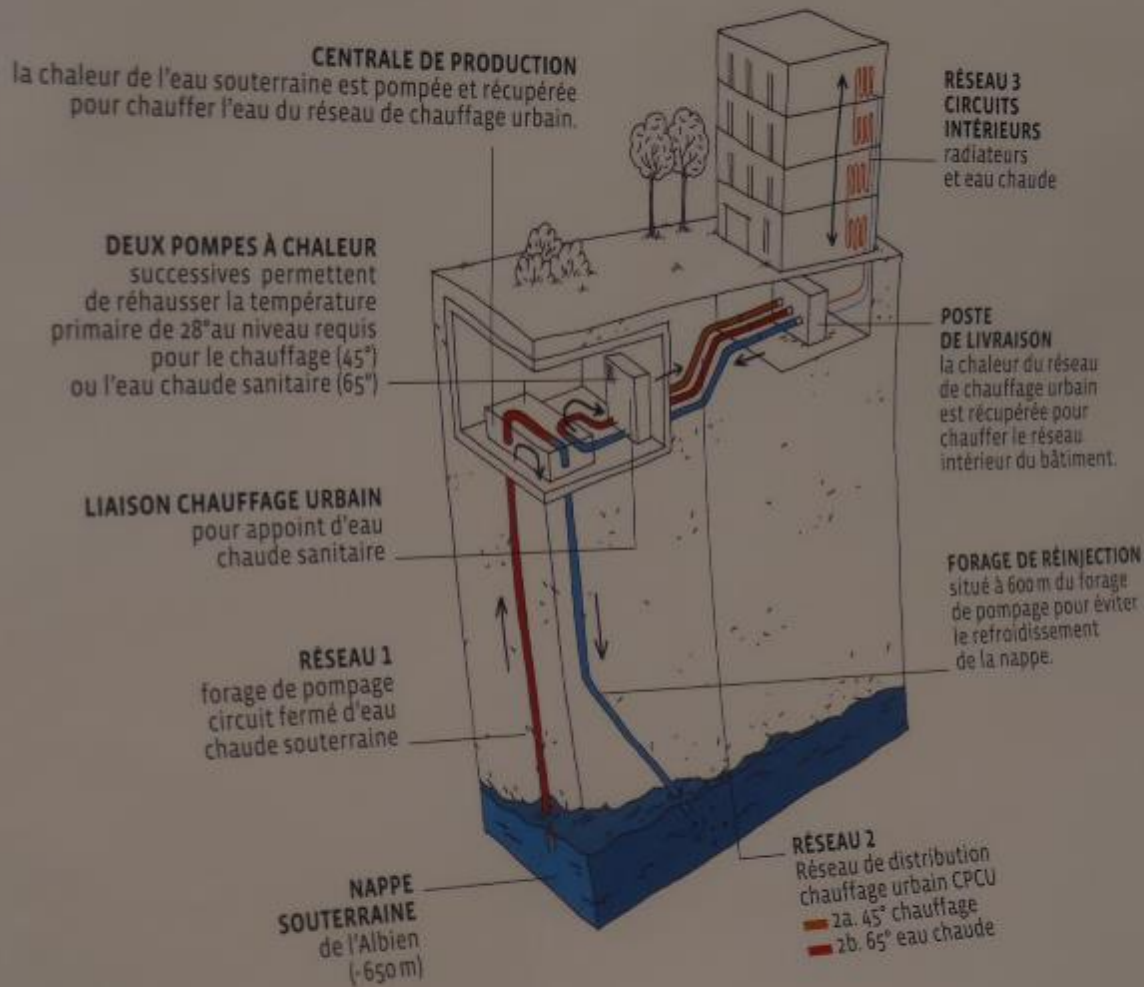


2. buildings are part of the new energy system



3. power to gas producing hydrogen or sun fuel for the gas system

L'UTILISATION D'ÉNERGIES RENOUVELABLES



Solar collector integrated in Green Roof charges thermal storage





**REINHOLD GUSTAFSSON
FÖRVALTNINGS AB**



BUT HOW CAN
I CONVINCE
WIEN
ENERGIE?

IN FORMER TIMES
PEOPLE USED
RESSOURCES IN A
SUSTAINABLE WAY....

SUN,
SUN,
SUN!





APP: ENERGY! AHEAD VIENNA

► Vienna Energy – showcase projects

